



20.11.42 NMAC
TITLE V OPERATING
PERMIT RENEWAL APPLICATION
For
PUBLIC SERVICE COMPANY
OF
NEW MEXICO
REEVES GENERATING STATION
Albuquerque, NM
Presently Operating Under
Operating Permit #0499-M2-AR1

PREPARED BY
MONTROSE AIR QUALITY SERVICES, LLC
ALBUQUERQUE, NM
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I. Executive Summary

I. Executive Summary

Public Service Company of New Mexico (PNM) operates the Reeves Generating Station (“RGS” or “facility”) located at 4400 Paseo del Norte NE, Albuquerque, New Mexico. RGS consists of three natural gas-fired electric generation units. Each unit has its own furnace, boiler, turbine and generator. The units share some common facilities including water treatment, water cooling and other support facilities and services. Annual hours of operation are 8760 hours per year. Based on a previous agreement between PNM and the City of Albuquerque/Bernalillo County Air Quality Program (ABCAQP), PNM has agreed to limit the three natural gas-fired electric generation units to 80 percent of maximum annual capacity. This maximum annual capacity factor of 80% is used in estimating annual emission rates for the three natural gas-fired electric generation units and associated emission sources.

Listed below are the basic design features of the RGS units:

	Unit 1 (S101)	Unit 2 (S102)	Unit 3 (S103)
Nameplate Generating Capacity (megawatts)	44	44	66
Maximum Generating Capacity (megawatts)	51	51	78
Boiler Manufacturer	Babcock & Wilcox	Babcock & Wilcox	Babcock & Wilcox
Turbine/Generator Manufacturer	Westinghouse	Westinghouse	Allis-Chalmers

This Title V Operating Permit Renewal Application is a requirement per 20.11.42.B(1)(a) NMAC. The existing Title V Operating Permit #0499-M2-AR1 will expire February 8, 2022. The Title V Operating Permit Renewal Application shall be submitted twelve (12) months prior to the date of expiration per 20.11.42.12.(2)(a)(ii) NMAC.

No Authority to Construct (ATC), Source Registration, or Title V Operating Permit modifications have been submitted since the last Title V Operating Permit was issued on February 8, 2017.

Two changes have been identified in this Title V Operating Permit Renewal application, recalculation of SO₂ emission rates for the emergency generator (S109) and elimination of the sodium hypochlorite tank (S304) in the cooling tower water treatment system.

I. Executive Summary

The emissions of SO₂ were originally calculated in ATC Permit 2025-RV1 using the city forms for emergency generator with a SO_x emission factor at 0.194 g/hp-hr. Recalculation is based on maximum manufacture fuel usage of 27.4 gallons/hour and a diesel fuel sulfur content limit of 0.05%. This reduced the emission rate of SO₂ from 0.32 lbs/hr and 0.08 tons/yr to 0.19 lbs/hr and 0.048 tons/year. These emission calculations for SO₂ can be found in Section V.

RGS has installed bacterial control equipment for the cooling tower water. The installed equipment is a MIOX Mixed Oxidant Generation Equipment. The system uses brine water stored on-site to control bacterial growth in the cooling tower water, on demand. With the installation of the MIOX equipment, the sodium hypochlorite tank (S304) has been removed. The sodium hydrochloride tank (S304) was previously listed as an insignificant source in Section XVII, Table 9.

No additional facility changes or applicable requirements have been identified for RGS.

II. Applicable Regulations and Requirements Review

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COMPLIANCE STATUS WITH APPLICABLE REQUIREMENTS

Based on information and belief formed after reasonable inquiry, PNM certifies that, as provided in this report, RGS is in compliance with each applicable requirement. A signed certification in accordance with 20 NMAC 11.42.12.A.(5), is provided at the end of Section IV of this Title V renewal application package.

20.11.2 NMAC - Permit Fees

PNM pays all filing and permit fees as required.

20.11.5 NMAC- Visible Air Contaminants

RGS is in compliance with this regulation as demonstrated by performing visual observations based on Method 9 of 40 CFR 60, Appendix A, quarterly for Emission Unit S109. If S109 does not operate in a quarter no visible emission test is required for that particular quarter.

20.11.6 NMAC - Emergency Action Plan

RGS will comply with the provisions of this part as necessary.

20.11.7 NMAC - Variance Procedure

PNM will comply with the provisions of this part if they need to obtain a variance from requirements prescribed by the Board.

20.11.8 NMAC - Ambient Air Quality Standards

RGS is in compliance with National Ambient Air Quality Standards (NAAQS) and the State Ambient Air Quality Standards (NMAAQs) based on the results of air quality dispersion modeling submitted in the original Operating Permit Application package and revised dispersion modeling conducted in support of the Title V Operating Permit Renewal application submitted in 2001.

20.11.20 NMAC - Fugitive Dust Control

The active areas of the property are either paved or have a gravel surface. RGS takes adequate steps to ensure that all persons conducting active operations that result in disturbed surface areas use reasonably available control measures or other effective measures on an ongoing basis to prevent or abate injury to human health and animal and plant life and to prevent or abate unreasonable interference with public welfare, visibility and the reasonable use of property. RGS is in compliance with this regulation.

II. Applicable Regulations and Requirements Review

20.11.40 NMAC - Source Registration

RGS has received ATC and Title V permits from the ABCAQP that includes sources that need to be registered/permited. PNM submitted a request to cancel Certificate of Registration #2148 on September 5, 2015. Certificate of Registration #2148 was for two pre-heater boilers that are no longer operational.

20.11.41 NMAC - Authority-to-Construct Permits

RGS has received a construction permit from ABCAQP that includes sources that need to be registered/permited. ATC Permit #2025-RV1 was issued on July 12, 2011 for operation of the emergency generator (S109). Permit conditions have been incorporated into Title V Operating Permit #0499-M2-AR1 for the emergency generator (emission unit S109).

20.11.42 NMAC - Operating Permits

RGS received Operating Permit #0499-M2-RN1 on February 8, 2017 from ABCAQP that includes all sources regulated by this regulation. ABCAQP issued an Administrative Revision on July 26, 2019, permit #0499-M2-1AR, to document a change in Responsible Official from Richard Threet to Heath Lee.

20.11.43 NMAC - Stack Height Requirements

As part of permits pursuant to 20.11.41, 60, or 61 NMAC, sources shall demonstrate compliance with good engineering practice.

20.11.47 NMAC – Emissions Inventory

RGS submits an annual emission inventory per the requirements of this regulation.

20.11.49 NMAC – Excess Emissions

RGS has submitted reports for any excess emissions as defined in 20.11.49.7.F.

20.11.60 NMAC - Permitting Nonattainment Areas

RGS is not currently located in a non-attainment area for any criteria pollutant, so this part is not applicable.

20.11.61 NMAC - Prevention of Significant Deterioration

RGS is a major source for PSD determination, but is listed as a “grandfathered” source. If RGS modifies the facility a PSD review will be required.

II. Applicable Regulations and Requirements Review

20.11.62 NMAC - Acid Rain Program Permits

RGS is an applicable source affected by the Federal Acid Rain Program. RGS operates under Acid Rain Permit #AR0499-RN1 issued February 8, 2017.

20.11.63 NMAC - New Source Performance Standards

RGS complies with the requirements of 40 CFR Part 60. This regulation applies to Reeves Generating Station's emergency generator (S109).

20.11.67 NMAC – Equipment, Emissions, Limitations

RGS complies with the applicable requirements of 20.11.67.20.B NMAC under normal operating conditions.

20.11.90 NMAC - Administration, Enforcement, Inspection

RGS complies with the provisions of this regulation when operating equipment under abnormal conditions.

20.11.100, 101, and 102 NMAC - Motor Vehicle Inspection and Oxygenated Fuels

As part of its vehicle maintenance program, RGS ensures that emissions control devices exist on all motor vehicles, and that they are not disabled. RGS ensures oxygenated fuels are used in their vehicles as appropriate.

40 CFR 50 - National Primary and Secondary Ambient Air Quality Standards (NAAQS)

RGS is in compliance with NAAQS based on the results of air quality dispersion modeling submitted in the original Operating Permit Application package and revised dispersion modeling conducted in support of the Title V Operating Permit Renewal application in submitted in 2001.

40 CFR 60 Subpart A – General Provisions

RGS complies with this regulation. This regulation applies because 40 CFR 60 Subpart III applies to RGS's emergency generator (S109).

40 CFR 60 Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

RGS complies with this regulation. This regulation applies to RGS's emergency generator (S109).

II. Applicable Regulations and Requirements Review

40 CFR 61 Subpart M - Asbestos NESHAP

RGS will notify the appropriate regulators of demolition activities that trigger the provisions of this regulation. RGS is in compliance with this regulation.

40 CFR 63 Subpart A – General Provisions

RGS complies with this regulation. This regulation applies because 40 CFR 63 Subpart ZZZZ applies to RGS's emergency generator (S109).

40 CFR 63 Subpart ZZZZ – National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

RGS complies with this regulation. Compliance with 40 CFR 60 Subpart IIII for the emergency generator (S109) is deemed compliance with this regulation.

40 CFR 68 - Emergency Response

RGS does not currently store propane, and therefore does not require preparation of a Risk Management Plan.

40 CFR 70 – State Operating Permit Programs

RGS received Title V operating permit #0499-M2-RN1, dated February 8, 2017 and Administrative Revision #0499-M2-1AR on June 26, 2019, from ABCAQP that includes all regulated air emissions sources.

40 CFR 72 – Permits Regulation

RGS is subject to Permits Regulation and is in compliance with applicable requirements under the Acid Rain Program.

40 CFR 73 – Sulfur Dioxide Allowances

RGS is subject to this part and maintains sufficient SO₂ allowances in its compliance accounts. Facilities subject to 40 CFR 72 include: independent power producers; facilities who may apply to receive allowances under the Energy Conservation and Renewable Energy Reserve Program; small diesel refineries; and any other person who chooses to purchase, hold, or transfer allowances (authorization to emit up to one ton of sulfur dioxide).

40 CFR 77 – Excess Emissions

RGS is in the Acid Rain Program. RGS will purchase additional allowances if annual SO₂ emissions exceed the SO₂ allowances from RGS's compliance account. RGS is in compliance with the regulation.

II. Applicable Regulations and Requirements Review

40 CFR 75—Continuous Emission Monitoring

RGS operates a continuous emission monitoring system (CEMS) and reports NO_x emissions data from the CEMS, and calculates SO₂ emissions based on fuel flow measurements, sulfur content, and heat content data, in compliance with this regulation.

40 CFR 78—Appeal Procedures

RGS will follow the appeal of any final decision of the Administrator under 40 CFR 78.1.

40 CFR 98—Mandatory Greenhouse Gas Reporting

RGS reports greenhouse gas emissions per the requirements of this regulation.

II. Applicable Regulations and Requirements Review

Summary of All City of Albuquerque/Bernalillo County Potentially Applicable Requirements

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.1 NMAC	General Provisions	All pollutants	Ambient Air Quality Standards for sources subject to another requirement under 20 NMAC 11.	Applicable
11.2 NMAC	Permit Fees	All pollutants	Sources subject to another requirement of 20 NMAC 11.	Applicable
11.3 NMAC	Transportation Conformity	Criteria pollutants in nonattainment or maintenance status	Federally funded transportation projects.	Not applicable
11.4 NMAC	General Conformity	Criteria pollutants in nonattainment or maintenance status	Federally funded transportation projects.	Not applicable
11.5 NMAC	Visible Air Contaminants	Visible air contaminants (PM, fumes, smoke, or aerosols)	Incinerator, PWDs, stationary spark ignition engines, diesel-powered engines.	Applicable
11.6 NMAC	Emergency Action Plan	All pollutants	All sources.	Applicable
11.7 NMAC	Variance Procedure	All pollutants	All sources.	Applicable
11.8 NMAC	Ambient Air Quality Standards	CO, NO ₂ , O ₃ , SO ₂ , PM _{2.5} , PM ₁₀ , Pb, H ₂ S, Total Reduced Sulfur, PM (PM)	All sources.	Applicable
11.20 NMAC	Airborne Particulate Matter	Airborne PM	Industrial/commercial activities, unpaved roads and parking areas, surface disturbances, sandblasting and other surface preparation, demolition.	Applicable
11.21 NMAC	Open Burning	All pollutants	Open burning.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.22 NMAC	Woodburning	CO, PM, visible emissions	Woodburning.	Not applicable
11.23 NMAC	Stratospheric Ozone Protection	ODCs	Equipment used to service motor vehicle AC system must meet SAE Standard J-1990, Repair and Disposal of Refrigeration Units.	Not Applicable. RGS does not repair and disposal of automotive refrigeration units.
11.40 NMAC	Source Registration	All pollutants	By 1 January 1974, commercial/industrial sources emitting >2,000 lb/yr of any air contaminant or any amount of HAPs must obtain a Registration Certificate. Sources constructed after 1 September 1973 must obtain a Registration Certificate within 180 days after initial startup of source.	Applicable
11.41 NMAC	Authority-to-Construct	All pollutants	New construction or modification of sources with >10 lb/hr or >25 tpy (any regulated pollutant precontrolled) or >5 tpy precontrolled lead and sources that emit a significant amount of air contaminant listed in 40 CFR 61.01(b).	Applicable
11.42 NMAC (40 CFR 70)	Operating Permits	All pollutants	Major sources.	Applicable
11.43 NMAC (40 CFR Part 51 Section 51.100)	Stack Height Requirements	All pollutants	As part of permits pursuant to 20 NMAC 11.41, 60 and 61, sources shall demonstrate compliance with good engineering practice.	Applicable
11.46 NMAC	Sulfur Dioxide Emissions Inventory Requirements: Western Backstop Sulfur Dioxide Trading Program	SO ₂	Implement the western backstop (WEB) sulfur dioxide (SO ₂) trading program provisions required under the federal Regional Haze Rule, 40 CFR 51.309, and the concomitant Albuquerque/Bernalillo county element of the state of New Mexico's regional haze implementation plan.	Not Applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.47 NMAC	Emission Inventory Requirements	Regulated Pollutants	Each person who owns or operates a source or who intends to construct or modify a source within Bernalillo county must submit certain relevant information to ensure that the regulations and standards under the Air Quality Control Act and the federal act will not be violated.	Applicable
11.49 NMAC	Excess Emissions	All pollutants	Implement requirements for the reporting of excess emissions and establish affirmative defense provisions for facility owners and operators for excess emissions.	Applicable
11.60 NMAC	Permitting in Nonattainment Areas	All pollutants	Major stationary source or major modification for any source with emissions >100 tpy wishing to locate in an area where federal AAQS are being exceeded.	Not applicable
11.61 NMAC	Prevention of Significant Deterioration	Criteria pollutants in attainment	Stationary sources in attainment areas listed with potential emissions ≥ 250 tpy or specifically listed sources with potential emissions ≥ 100 tpy of any regulated pollutant.	Applicable, if facility applies for a significant modification
11.62 NMAC (40 CFR 72)	Acid Rain Program Permits	Acid rain pollutants	Large power and cogeneration facilities.	Applicable
11.63 NMAC 40 CFR 60 Subpart A	NSPS – General Provisions	Pollutants applicable to 40 CFR 60	General provisions for any new or revised NSPS.	Applicable for each emission unit affected by a NSPS, as indicated in 40 CFR Part 60 (see below)
11.63 NMAC 40 CFR 60 Subpart B	NSPS – Adoption and Submittal of State Plans for Designated Facilities	Pollutants applicable to 40 CFR 60	Guidelines to control designated pollutants from affected facilities.	Applicable for each air pollutant that is subject to a NSPS that has not been issued air quality criteria
11.63 NMAC 40 CFR 60 Subpart C	NSPS – Emissions Guidelines and Compliance Times	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, fugitive ash, non-methane organic compounds, sulfuric acid mist	Municipal waste combustors, municipal solid waste landfills, sulfuric acid production units.	Applicability based on Subparts Cb, Cc, and Cd (see below)

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart Ca	NSPS – Emissions Guidelines and Compliance Times	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, fugitive ash, non-methane organic compounds, sulfuric acid mist	Municipal waste combustors, municipal solid waste landfills, sulfuric acid production units.	Non-applicability based on Subparts Cb, Cc, and Cd (see below)
11.63 NMAC 40 CFR 60 Subpart Cb	NSPS – Emissions Guidelines and Compliance Schedules for Municipal Waste Combustors	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, fugitive ash, non-methane organic compounds, sulfuric acid mist	Municipal waste combustors with a plant capacity greater than 35 megagrams/day constructed on or before September 20, 1994.	Not applicable
11.63 40 CFR 60 Subpart Cc	NSPS – Emissions Guidelines and Compliance Times for Municipal Solid Waste Landfills	Non-methane organic compounds	Municipal solid waste landfills with a design capacity greater than or equal to 2.5 million cubic meters constructed, reconstructed, or modified before May 30, 1991.	Not applicable
11.63 NMAC 40 CFR 60 Subpart Cd	NSPS – Emissions Guidelines and Compliance Times for Sulfuric Acid Production Units	Sulfuric acid mist	Sulfuric acid production units.	Not applicable
11.63 NMAC 40 CFR 60 Subpart D	NSPS – Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	PM, SO ₂ , NO _x	Fossil-fuel-fired steam generating units with a heat input rate greater than 250 million Btu/hr constructed or modified after August 17, 1971.	Not applicable

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Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart Da	NSPS – Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	PM, SO ₂ , NO _x	Electric utility steam generating units with a heat input rate greater than 250 million Btu/hr constructed or modified after September 18, 1978.	Not applicable
11.63 NMAC 40 CFR 60 Subpart Db	NSPS – Standards of Performance for Industrial-Commercial- Institutional Steam Generating Units	PM, SO ₂ , NO _x	Industrial, commercial-institutional steam generating units with a heat input rate greater than 100 million Btu/hr constructed, modified, or reconstructed after June 19, 1984.	Not applicable
11.63 40 CFR 60 Subpart Dc	NSPS – Standards of Performance for Small Industrial-Commercial- Institutional Steam Generating Units	PM, SO ₂	Small industrial-commercial-institutional steam generating units with a heat input rate greater than or equal to 10 million Btu/hr and less than or equal to 100 million Btu/hr constructed, modified, or reconstructed after June 9, 1989.	Not applicable
11.63 40 CFR 60 Subpart E	NSPS – Standards of Performance for Incinerators	PM	Incinerators with a charging rate greater than 50 tons/day constructed or modified after August 17, 1971.	Not applicable
11.63 NMAC 40 CFR 60 Subpart Ea	NSPS – Standards of Performance for Municipal Waste Combustors for Which Construction is Commenced After December 20, 1989 and On or Before September 20, 1994	PM, dioxins/furans, SO ₂ , HCl, NO _x , CO	Municipal waste combustors with a capacity greater than 250 tons/day constructed after December 20, 1989 and on or before September 20, 1994 or modified or reconstructed after December 20, 1989 and on or before June 19, 1996.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart Eb	NSPS – Standards of Performance for Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, fugitive ash	Municipal waste combustors with a capacity greater than 35 megagrams/day constructed after September 20, 1994 or modified or reconstructed after June 19, 1996.	Not applicable
11.63 NMAC 40 CFR 60 Subpart F	NSPS – Standards of Performance for Portland Cement Plants	PM	Portland cement plants constructed or modified after August 17, 1971.	Not applicable
11.63 NMAC 40 CFR 60 Subpart G	NSPS – Standards of Performance for Nitric Acid Plants	NO _x	Nitric acid production units constructed or modified after August 17, 1971.	Not applicable
11.63 40 CFR 60 Subpart H	NSPS – Standards of Performance for Sulfuric Acid Plants	SO ₂ , Sulfuric acid mist	Sulfuric acid production units constructed or modified after August 17, 1971.	Not applicable
11.63 40 CFR 60 Subpart I	NSPS – Standards of Performance for Hot Mix Asphalt Facilities	PM	Hot mix asphalt facilities constructed or modified after June 11, 1973.	Not applicable
11.63 NMAC 40 CFR 60 Subpart J	NSPS – Standards of Performance for Petroleum Refineries	PM, CO, SO ₂	Petroleum refineries: fluid catalytic cracking unit catalyst regenerators or fuel gas combustion devices constructed or modified after June 11, 1973 or sulfur recovery plants constructed or modified after October 4, 1976.	Not applicable
11.63 40 CFR 60 Subpart K	NSPS – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978	VOCs	Storage vessels for petroleum liquids with a storage capacity greater than 40,000 gallons, but not exceeding 65,000 gallons, constructed or modified after March 8, 1974 and prior to May 19, 1978 or with a storage capacity greater than 65,000 gallons constructed or modified after June 11, 1973 and prior to May 19, 1978.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart Ka	NSPS – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	VOCs	Storage vessels for petroleum liquids with a storage capacity greater than 40,000 gallons constructed or modified after May 18, 1978 and prior to July 23, 1984.	Not applicable
11.63 40 CFR 60 Subpart Kb	NSPS – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	VOCs	Storage vessels for volatile organic liquids with a storage capacity greater than 40,000 cubic meters constructed or modified after July 23, 1984.	Not applicable
11.63 NMAC 40 CFR 60 Subpart L	NSPS – Standards of Performance for Secondary Lead Smelters	PM	Secondary lead smelters constructed or modified after June 11, 1973: pot furnaces with a charging capacity greater than 250 kg (550 lb), blast furnaces, and reverberatory furnaces.	Not applicable
11.63 NMAC 40 CFR 60 Subpart M	NSPS – Standards of Performance for Secondary Brass and Bronze Production Plants	PM	Secondary brass or bronze production plants constructed or modified after June 11, 1973: reverberatory and electric furnaces with a production capacity greater than or equal to 1,000 kg (2205 lb) and blast furnaces with a production capacity greater than or equal to 250 kg/hr (550 lb/hr).	Not applicable

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Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart N	NSPS – Standards of Performance for Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced After 11 June 1973	PM	Basic oxygen process furnaces constructed or modified after June 11, 1973.	Not applicable
11.63 NMAC 40 CFR 60 Subpart Na	NSPS - Standards of Performance for Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced After January 20, 1983	PM	Iron and steel plants constructed, modified, and reconstructed after January 20, 1983: top-blown basic oxygen process furnaces and hot metal transfer stations and skimming stations.	Not applicable
11.63 NMAC 40 CFR 60 Subpart O	NSPS - Standards of Performance for Sewage Treatment Plants	PM	Incinerators constructed or modified after June 11, 1973 that combust waste containing more than 10% sewage sludge produced by municipal sewage treatment plants, or incinerators that charge greater than 1,000 kg/day (2,205 lb/day) municipal sewage sludge.	Not applicable
11.63 NMAC 40 CFR 60 Subpart P	NSPS - Standards of Performance for Primary Copper Smelters	PM, SO ₂	Primary copper smelters constructed or modified after October 16, 1974.	Not applicable
11.63 NMAC 40 CFR 60 Subpart Q	NSPS - Standards of Performance for Primary Zinc Smelters	PM, SO ₂	Primary zinc smelters constructed or modified after October 16, 1974.	Not applicable
11.63 NMAC 40 CFR 60 Subpart R	NSPS - Standards of Performance for Primary Lead Smelters	PM, SO ₂	Primary lead smelters constructed or modified after October 16, 1974.	Not applicable

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Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart S	NSPS - Standards of Performance for Primary Aluminum Reduction Plants	Fluorides	Primary aluminum reduction plants constructed or modified after October 23, 1974.	Not applicable
11.63 NMAC 40 CFR 60 Subpart T	NSPS - Standards of Performance for the Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants	Fluorides	Wet-process phosphoric acid plants with a design capacity greater than 15 tons of equivalent P ₂ O ₅ feed per day constructed or modified after October 22, 1974.	Not applicable
11.63 NMAC 40 CFR 60 Subpart U	NSPS - Standards of Performance for the Phosphate Fertilizer Industry: Superphosphoric Acid Plants	Fluorides	Superphosphoric acid plants with a design capacity greater than 15 tons of equivalent P ₂ O ₅ feed per day constructed or modified after October 22, 1974.	Not applicable
11.63 NMAC 40 CFR 60 Subpart V	NSPS - Standards of Performance for the Phosphate Fertilizer Industry: Diammonium Phosphate Plants	Fluorides	Granular diammonium phosphate plants with a design capacity greater than 15 tons of equivalent P ₂ O ₅ feed per day constructed or modified after October 22, 1974.	Not applicable
11.63 NMAC 40 CFR 60 Subpart W	NSPS - Standards of Performance for the Phosphate Fertilizer Industry: Triple Superphosphate Plants	Fluorides	Triple superphosphate plants with a design capacity greater than 15 tons of equivalent P ₂ O ₅ feed per day constructed or modified after October 22, 1974.	Not applicable
11.63 NMAC 40 CFR 60 Subpart X	NSPS - Standards of Performance for the Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities	Fluorides	Granular triple superphosphate storage facilities constructed or modified after October 22, 1974.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart Y	NSPS - Standards of Performance for Coal Preparation Plants	PM	Coal preparation plants, which process greater than 200 tons/day constructed or modified after October 24, 1974.	Not applicable
11.63 NMAC 40 CFR 60 Subpart Z	NSPS - Standards of Performance for Ferroalloy Production Facilities	PM, CO	Electric submerged arc furnaces constructed or modified after October 21, 1974.	Not applicable
11.63 NMAC 40 CFR 60 Subpart AA	NSPS - Standards of Performance for Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974, and On or Before August 17, 1983	PM	Steel plants: electric arc furnaces and dust-handling systems constructed, modified, or reconstructed after October 21, 1974 and on or before August 17, 1983.	Not applicable
11.63 NMAC 40 CFR 60 Subpart AAa	NSPS - Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983	PM	Steel plants: electric arc furnaces, argon-oxygen decarburization vessels, and dust-handling systems constructed, modified, or reconstructed after August 17, 1983.	Not applicable
11.63 NMAC 40 CFR 60 Subpart BB	NSPS - Standards of Performance for Kraft Pulp Mills	PM, total reduced sulfur	Kraft pulp mills constructed or modified after September 24, 1976.	Not applicable
11.63 NMAC 40 CFR 60 Subpart CC	NSPS - Standards of Performance for Glass Manufacturing Plants	PM	Glass melting furnaces with production greater than or equal to 4,550 kg/day constructed or modified after June 15, 1979.	Not applicable
11.63 NMAC 40 CFR 60 Subpart DD	NSPS - Standards of Performance for Grain Elevators	PM	Grain terminal elevators or grain storage elevators constructed, modified, or reconstructed after August 3, 1978.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart EE	NSPS - Standards of Performance for Surface Coating of Metal Furniture	VOCs	Metal furniture surface coating operations that use greater than or equal to 3,842 liters coating/yr constructed, modified, or reconstructed after November 28, 1980.	Not applicable
11.63 NMAC 40 CFR 60 Subpart GG	NSPS - Standards of Performance for Stationary Gas Turbines	NO _x , SO ₂	Stationary gas turbines with a heat input at peak load greater than or equal to 10.7 gigajoules/hr constructed, modified, or reconstructed after October 3, 1977.	Not applicable
11.63 NMAC 40 CFR 60 Subpart HH	NSPS - Standards of Performance for Lime Manufacturing Plants	PM	Rotary lime kilns constructed or modified after May 3, 1977.	Not applicable
11.63 NMAC 40 CFR 60 Subpart KK	NSPS - Standards of Performance for Lead-Acid Battery Manufacturing Plants	Pb	Lead-acid battery manufacturing plants with a design capacity to produce batteries containing lead greater than or equal to 6.5 tons/day constructed or modified after January 14, 1980.	Not applicable
11.63 NMAC 40 CFR 60 Subpart LL	NSPS - Standards of Performance for Metallic Mineral Processing Plants	PM	Metallic mineral processing plants constructed or modified after August 24, 1982.	Not applicable
11.63 NMAC 40 CFR 60 Subpart MM	Standards of Performance for Automobile and Light Duty Truck Surface Coating Operations	VOCs	Automobile or light-duty truck assembly plants constructed, reconstructed, or modified after October 5, 1979.	Not applicable
11.63 NMAC 40 CFR 60 Subpart NN	Standards of Performance for Phosphate Rock Plants	PM	Phosphate rock plants with a maximum production capacity greater than 4 tons/hr constructed, modified, or reconstructed after September 21, 1979.	Not applicable
11.63 NMAC 40 CFR 60 Subpart PP	Standards of Performance for Ammonium Sulfate Manufacture	PM	Ammonium sulfate dryers constructed or modified after February 4, 1980.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart QQ	Standards of Performance for the Graphics Industry: Publication Rotogravure Printing	VOCs	Publication rotogravure printing presses constructed, modified, or reconstructed after October 28, 1980.	Not applicable
11.63 NMAC 40 CFR 60 Subpart RR	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations	VOCs	Coating lines used in the manufacture of pressure sensitive tape and label materials constructed, modified, or reconstructed after December 30, 1980.	Not applicable
11.63 NMAC 40 CFR 60 Subpart SS	Standards of Performance for Industrial Surface Coating: Large Appliances	VOCs	Surface coating operations in a large appliance surface coating line constructed, modified, or reconstructed after December 24, 1980.	Not applicable
11.63 NMAC 40 CFR 60 Subpart TT	Standards of Performance for Metal Coil Surface Coating	VOCs	Metal coil surface coating operations constructed, modified, or reconstructed after January 5, 1981.	Not applicable
11.63 NMAC 40 CFR 60 Subpart UU	Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture	PM	Asphalt roofing plants, asphalt processing plants, and petroleum refineries constructed or modified after November 18, 1980.	Not applicable
11.63 NMAC 40 CFR 60 Subpart VV	Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	VOCs	Synthetic Organic Chemicals Manufacturing Industry (SOCMI) facilities constructed or modified after January 5, 1981.	Not applicable
11.63 NMAC 40 CFR 60 Subpart WW	Standards of Performance for the Beverage Can Surface Coating Industry	VOCs	Beverage can surface coating lines constructed, modified, or reconstructed after November 26, 1980.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart XX	Standards of Performance for Bulk Gasoline Terminals	VOCs	Total of all the loading racks at a bulk gasoline terminal (throughput greater than 75,700 liters/day) which deliver liquid product into gasoline trucks constructed or modified after December 17, 1980.	Not applicable
11.63 NMAC 40 CFR 60 Subpart AAA	Standards of Performance for New Residential Wood Heaters	PM	Wood heaters manufactured on or after July 1, 1988, or sold at retail on or after July 1, 1990.	Not applicable
11.63 NMAC 40 CFR 60 Subpart BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	VOC	Rubber tire manufacturing plants constructed, modified, or reconstructed after January 20, 1983.	Not applicable
11.63 NMAC 40 CFR 60 Subpart DDD	Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	Total organic compounds	Facilities involved in the manufacture of polypropylene, polyethylene, polystyrene, or poly (ethylene terephthalate).	Not applicable
11.63 NMAC 40 CFR 60 Subpart FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	VOCs	Rotogravure printing lines used to print or coat flexible vinyl and urethane products constructed, modified, or reconstructed after January 18, 1983.	Not applicable
11.63 NMAC 40 CFR 60 Subpart GGG	Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries	VOCs	Petroleum refineries constructed or modified after January 4, 1983.	Not applicable
11.63 NMAC 40 CFR 60 Subpart HHH	Standards of Performance for Synthetic Fiber Production Facilities	VOCs	Solvent spun synthetic fiber processes that produce greater than 500 megagrams fiber/yr constructed or reconstructed after November 23, 1982.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart III	Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Synthetic Organic Chemicals Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	Total organic compounds	Air oxidation reactors constructed, modified, or reconstructed after October 21, 1983.	Not applicable
11.63 NMAC 40 CFR 60 Subpart JJJ	Standards of Performance for Petroleum Dry Cleaners	VOCs	Petroleum dry cleaner plants with a total manufacturers' rated dryer capacity greater than or equal to 84 lb constructed or modified after December 14, 1982.	Not applicable
11.63 NMAC 40 CFR 60 Subpart KKK	Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	VOCs	Onshore natural gas processing plants constructed, reconstructed, or modified after January 20, 1984.	Not applicable
11.63 NMAC 40 CFR 60 Subpart LLL	Standards of Performance for Onshore Natural Gas Processing: SO ₂ Emissions	SO ₂	Natural gas processing facilities located on land constructed or modified after January 20, 1984.	Not applicable
11.63 NMAC 40 CFR 60 Subpart NNN	Standards of Performance for Volatile Organic Compound (VOC) Emissions from Synthetic Organic Chemicals Manufacturing Industry (SOCMI) Distillation Operations	Total organic compounds	Distillation units constructed, modified, or reconstructed after December 30, 1983.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	PM	Fixed or portable nonmetallic mineral processing plants constructed, reconstructed, or modified after August 31, 1983.	Not applicable
11.63 NMAC 40 CFR 60 Subpart PPP	Standards of Performance for Wool Fiberglass Insulation Manufacturing Plants	PM	Rotary spin wool fiberglass insulation manufacturing lines constructed, modified, or reconstructed after February 7, 1984.	Not applicable
11.63 NMAC 40 CFR 60 Subpart QQQ	Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems	VOCs	Petroleum refineries constructed, modified, or reconstructed after May 4, 1987: individual drain systems, oil water separators, and aggregate facilities.	Not applicable
11.63 NMAC 40 CFR 60 Subpart RRR	Standards of Performance for Volatile Organic Compound Emissions from Synthetic Organic Chemicals Manufacturing Industry (SOCMI) Reactor Processes	Total organic compounds	Reactor processes constructed, modified, or reconstructed after June 29, 1990.	Not applicable
11.63 NMAC 40 CFR 60 Subpart SSS	Standards of Performance for Magnetic Tape Coating Facilities	VOCs	Coating operations for magnetic tape coating facilities constructed, modified, or reconstructed after January 22, 1986.	Not applicable
11.63 NMAC 40 CFR 60 Subpart TTT	Standards of Performance for Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines	VOCs	Spray booths for plastic parts for use in the manufacture of business machines constructed, modified, or reconstructed after January 8, 1986.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart UUU	Standards of Performance for Calciners and Dryers in Mineral Industries	PM	Calciners and dryers at mineral processing plants constructed, modified, or reconstructed after April 23, 1986.	Not applicable
11.63 NMAC 40 CFR 60 Subpart VVV	Standards of Performance for Polymeric Coating of Supporting Substrate Facilities	VOCs	Coating operations for polymeric coating of supporting substrates constructed, modified, or reconstructed after April 30, 1987.	Not applicable
11.63 NMAC 40 CFR 60 Subpart WWW	Standards of Performance for Municipal Solid Waste Landfills	Non-methane organic compounds	Municipal solid waste landfills with a design capacity greater than or equal to 2.5 million cubic meters constructed, reconstructed, modified, or began accepting waste on or after May 30, 1991.	Not applicable
11.63 NMAC 40 CFR 60 Subpart AAAA	Standards of Performance for Small Municipal Waste Combustion Units for Which Commenced After August 30, 1999 or for Which Modifications or Reconstruction is Commenced After June 6, 2001	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, fugitive ash	Establishes new source performance standards for new small municipal waste combustion units that commenced construction after August 30, 1999 or commenced reconstruction or modification after June 6, 2001.	Not applicable
11.63 NMAC 40 CFR 60 Subpart BBBB	Emission Guidelines and Compliance Times for Small Municipal Waste Combustion Units Constructed On or Before August 30, 1999	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, fugitive ash	Establishes emission guidelines and compliance schedules for the control of emissions from existing small municipal waste combustion units that commenced construction on or before August 30, 1999.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 or for Which Modification or Reconstruction is Commenced After June 1, 2001	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, Opacity	Establishes new source performance standards for commercial and industrial solid waste incineration (CISWI) units. A CISWI unit that commenced construction after June 4, 2010 or A CISWI unit that commenced reconstruction or modification after August 7, 2013.	Not applicable
11.63 NMAC 40 CFR 60 Subpart DDDD	Emission Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units that Commenced Construction On or Before November 30, 1999	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, fugitive ash, Opacity	Establishes emission guidelines and compliance schedules for the control of emissions from commercial and industrial solid waste incineration (CISWI) units that commenced construction after November 30, 1999, but no later than June 4, 2010, or commenced modification or reconstruction after June 1, 2001 but no later than August 7, 2013.	Not applicable
11.63 NMAC 40 CFR 60 Subpart EEEE	Standards of Performance for Other Solid Waste Incineration Units for Which Construction is Commenced After December 9, 2004, or for Which Modification or Reconstruction is Commenced on or After June 16, 2006	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, Opacity	Establishes new source performance standards for other solid waste incineration units are very small municipal waste combustion units and institutional waste incineration units that commenced construction after December 9, 2004 or commenced reconstruction or modification on or after June 16, 2006	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart FFFF	Emission Guidelines and Compliance Times for Other Solid Waste Incineration Units that Commenced Construction On or Before December 9, 2004	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, Opacity	Establishes emission guidelines and compliance schedules for the control of emissions from other solid waste incineration (OSWI) units that commenced construction on or before December 9, 2004	Not applicable
11.63 NMAC 40 CFR 60 Subpart III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	PM, SO ₂ , NO _x , CO, NMHC	The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commence construction after July 11, 2005.	Applicable for emergency generator (S109)
11.63 NMAC 40 CFR 60 Subpart JJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	PM, SO ₂ , NO _x , CO, NMHC	The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) that commence construction after July 11, 2005.	Not applicable
11.63 NMAC 40 CFR 60 Subpart KKKK	Standards of Performance for Stationary Combustion Turbines	SO ₂ , NO _x	Establishes emission standards and compliance schedules for the control of emissions from stationary combustion turbines that commenced construction, modification or reconstruction after February 18, 2005.	Not applicable
11.63 NMAC 40 CFR 60 Subpart LLLL	Standards of Performance for New Sewage Sludge Incineration Units	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, fugitive ash handling	Establishes new source performance standards for sewage sludge incineration (SSI) units which construction commenced after October 14, 2010 or for which modification commenced after September 21, 2011.	Not applicable
11.63 NMAC 40 CFR 60 Subpart MMMM	Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units	PM, Cd, Pb, Hg, SO ₂ , HCl, dioxins/furans, NO _x , CO, fugitive ash handling	Establishes emission guidelines and compliance schedules for the control of emissions from sewage sludge incineration (SSI) units that commenced construction on or before October 14, 2010.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.63 NMAC 40 CFR 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution	VOC, SO ₂	Establishes emission standards and compliance schedules for the control of volatile organic compounds (VOC) and sulfur dioxide (SO ₂) emissions from onshore affected facilities that commence construction, modification or reconstruction after August 23, 2011.	Not applicable
11.64 NMAC 40 CFR 61 Subpart A	General Provisions	HAPs	General provisions for National Emission Standards for Hazardous Air Pollutants (NESHAP).	Applicable for each emission unit affected by NESHAP, as indicated in 40 CFR 61 (see below)
11.64 NMAC 40 CFR 61 Subpart B	National Emission Standards for Radon Emissions from Underground Uranium Mines	Radon-222	Active underground uranium mines, which have mined, will mine, or are designed to mine over 100,000 tons of ore during the life of the mine or have had or will have an annual ore production greater than 10,000 tons.	Not applicable
11.64 NMAC 40 CFR 61 Subpart C	National Emission Standards for Beryllium	Beryllium	Extraction plants, ceramic plants, foundries, incinerators, propellant plants, and machine shops which process beryllium.	Not applicable
11.64 NMAC 40 CFR 61 Subpart D	National Emission Standards for Beryllium Rocket Motor Firing	Beryllium	Rocket motor test sites that conduct static test firing of beryllium rockets and/or the disposal of beryllium propellants.	Not applicable
11.64 NMAC 40 CFR 61 Subpart E	National Emission Standards for Mercury	Mercury	Sources which process mercury ore to recover mercury, use mercury chlor-alkali cells to produce chlorine gas and alkali metal hydroxide, and incinerate or dry wastewater treatment plant sludge.	Not applicable
11.64 NMAC 40 CFR 61 Subpart F	National Emission Standards for Vinyl Chloride	Vinyl chloride	Plants which produce ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene, vinyl chloride by any process, and/or one or more polymers containing any fraction of polymerized vinyl chloride.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.64 NMAC 40 CFR 61 Subpart H	National Emission Standards for Emissions of Radionuclides Other Than Radon from Department of Energy Facilities	Radionuclides	DOE facilities that emit any radionuclide other than radon-222 and radon-220.	Not applicable
11.64 NMAC 40 CFR 61 Subpart I	National Emission Standards for Radionuclide Emissions from Federal Facilities Other Than Nuclear Regulatory Commission Licensees and Not Covered by Subpart H	Radionuclides	Facilities other than nuclear power reactors which are licensed by the Nuclear Regulatory Commission and facilities owned or operated by any Federal agency other than the DOE.	Not applicable
11.64 NMAC 40 CFR 61 Subpart J	National Emission Standards for Equipment Leaks (Fugitive Emission Sources) of Benzene	Benzene	Sources that are intended to operate in benzene service that produce or use greater than or equal to 1,000 megagrams of benzene/yr.	Not applicable
11.64 NMAC 40 CFR 61 Subpart K	National Emission Standards for Radionuclide Emissions from Elemental Phosphorus Plants	Polonium-210	Calciners and nodulizing kilns at elemental phosphorous plants.	Not applicable
11.64 NMAC 40 CFR 61 Subpart L	National Emission Standards for Benzene Emissions from Coke By-Product Recovery Plants	Benzene	Furnace and foundry coke by-product recovery plants.	Not applicable
11.64 NMAC 40 CFR 61 Subpart M	National Emission Standards for Asbestos	Asbestos	Asbestos mills, roadways with asbestos tailings, manufacturing operations using commercial asbestos, demolition and renovation activities, spraying of asbestos-containing materials, fabricating operations using commercial asbestos, and operations that convert asbestos-containing material into asbestos-free material.	Not Applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.64 NMAC 40 CFR 61 Subpart N	National Emission Standards for Inorganic Arsenic Emissions from Glass Manufacturing Plants	Inorganic arsenic	Glass melting furnaces that use commercial arsenic as a raw material.	Not applicable
11.64 NMAC 40 CFR 61 Subpart O	National Emission Standards for Inorganic Arsenic Emissions from Primary Copper Smelters	Inorganic arsenic	Copper converters at primary copper smelters.	Not applicable
11.64 NMAC 40 CFR 61 Subpart P	National Emission Standards for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities	Inorganic arsenic	Metallic arsenic production plants and arsenic trioxide plants.	Not applicable
11.64 NMAC 40 CFR 61 Subpart Q	National Emission Standards for Radon Emissions from Department of Energy Facilities	Radon-222	Storage and disposal facilities for radium-containing material that are owned or operated by the DOE.	Not applicable
11.64 NMAC 40 CFR 61 Subpart R	National Emission Standards for Radon Emissions from Phosphogypsum Stacks	Radon-222	Phosphogypsum stacks and wet acid phosphorus production operations.	Not applicable
11.64 NMAC 40 CFR 61 Subpart T	National Emission Standards for Radon Emissions from the Disposal of Uranium Mill Tailings	Radon-222	Sites used for the disposal of uranium mill tailings.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.64 NMAC 40 CFR 61 Subpart V	National Emission Standards for Equipment Leaks (Fugitive Emission Sources)	Volatile hazardous air pollutants	Sources that are intended to operate in volatile hazardous air pollutant service.	Not applicable
11.64 NMAC 40 CFR 61 Subpart W	National Emission Standards for Radon Emissions from Operating Mill Tailings	Radon-222	Uranium mill tailings.	Not applicable
11.64 NMAC 40 CFR 61 Subpart Y	National Emission Standards for Benzene Emissions from Benzene Storage Vessels	Benzene	Storage vessels greater than or equal to 10,000 gallons storing benzene having a specific gravity within the range specified in ASTM D.	Not applicable
11.64 NMAC 40 CFR 61 Subpart BB	National Emission Standards for Benzene Emissions from Benzene Transfer Operations	Benzene	Total of all loading racks at which benzene is loaded at benzene production facilities and bulk terminals.	Not applicable
11.64 NMAC 40 CFR 61 Subpart FF	National Emission Standards for Benzene Waste Operations	Benzene	Chemical manufacturing plants, coke by-product recovery plants, and petroleum refineries.	Not applicable
11.65 NMAC	Volatile Organic Compounds	VOCs (HC Vapor)	Covers sources not otherwise covered under 40 CFR 60— Gasoline storage tanks >40,000 gallon capacity; gasoline loading rack w/30-day throughput >600,000 gallons; transport and delivery of gasoline; delivery of gasoline into underground storage tanks; gasoline handling and holding at retail and fleet service stations; industrial handling storage, or use of organic, fluids and gases; cutback asphalt; or contaminated soils and/or groundwater treatment.	Not Applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.66 NMAC	Process Equipment	PM, fugitive dust	Process equipment, cement kilns, gypsum cookers, and asphaltic batch plants.	Not applicable
11.67.12 NMAC	Equipment, Emissions, Limitations – Orchard Heaters	Opacity	Orchard heaters.	Not applicable
11.67.13 NMAC	Equipment, Emissions, Limitations – Kraft Mills	Total reduced sulfur	Kraft mills.	Not applicable
11.67.14 NMAC	Equipment, Emissions, Limitations – Coal Burning Equipment – Nitrogen Dioxide	NO ₂	Coal burning equipment constructed after 31 December 1974 >25 MW or >250 million Btu/hr; Emission Limit: 0.45 lb/million Btu.	Not applicable
11.67.15 NMAC	Equipment, Emissions, Limitations – Coal Burning Equipment – Sulfur Dioxide	SO ₂	Coal burning equipment constructed after 31 December 1974 >25 MW or >250 million Btu/hr; Emission Limit: 0.34 lb/million Btu.	Not applicable
11.67.16 NMAC	Equipment, Emissions, Limitations – Coal Burning Equipment – Particulate Matter	PM	Coal burning equipment constructed after 31 December 1974; Emission Limit: 0.05 lb/million Btu.	Not applicable
11.67.17 NMAC	Equipment, Emissions, Limitations – Oil Burning Equipment – Nitrogen Dioxide	NO ₂	Oil burning equipment >1 million Btu/yr/unit; Emission Limit: 0.3 lb/million Btu.	Not applicable
11.67.18 NMAC	Equipment, Emissions, Limitations – Oil Burning Equipment – Particulate Matter	PM, visible emissions, opacity	Oil burning equipment >250 million Btu/yr/unit; PM emission limit: 0.03 lb/million Btu; 20% Opacity.	Not applicable

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.67.19 NMAC	Equipment, Emissions, Limitations – Oil Burning Equipment – Sulfur Dioxide	SO ₂	Oil burning equipment >1 million Btu/yr/unit; Emission limit: 0.34 lb/million Btu.	Not applicable
11.67.20 NMAC	Equipment, Emissions, Limitations – Gas Burning Equipment – Nitrogen Dioxide	NO ₂	Gas burning equipment constructed after 31 December 1974 > 1 million Btu/yr/unit; Emission Limit: 0.3 lb/million Btu.	Applicable
11.68 NMAC	Incinerators and Crematories	PM, visible emissions, noxious fumes	Incinerators and crematories.	Not applicable
11.69 NMAC	Pathological Waste Destructors	Listed in 11.69	PWDs.	Not applicable
11.71 NMAC	Municipal Solid Waste Landfills	NMOC	New and existing MSW landfills with design capacities greater than or equal to 2.5 million megagrams or 2.5 million cubic meters	Not applicable
11.90.13 NMAC	Administration, Enforcement, Inspection – Source Surveillance	All	When notified by the Director, the facility must keep records deemed necessary by the Director.	Applicable
11.90.14 NMAC	Administration, Enforcement, Inspection – Administration and Enforcement	All	When notified by the Director, the facility must determine emissions from a source with a 20 NMAC 11 permit.	Applicable
11.100 NMAC	Motor Vehicle Inspection - Decentralized	Motor vehicle emissions	Motor vehicle air pollution emissions control devices.	Applicable as part of PNM's vehicle maintenance program.
11.101 NMAC	Motor Vehicle Inspection - Centralized	Motor vehicle emissions	Motor vehicle air pollution emissions control devices.	Applicable as part of PNM's vehicle maintenance program.

II. Applicable Regulations and Requirements Review

Citation 20 NMAC (AQCR)	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
11.102 NMAC	Oxygenated Fuels	Motor vehicle emissions	Motor vehicles.	Applicable as part of PNM's vehicle maintenance program.
11.103 NMAC	Motor Vehicle Visible Emissions	Motor vehicle emissions	Motor vehicles visible air contaminant emissions.	Not Applicable
11.104 NMAC	Emission Standards for New Motor Vehicles	Motor vehicle emissions	Motor vehicles.	Not Applicable

II. Applicable Regulations and Requirements Review

Summary of All Federal Potentially Applicable Requirements (Not a complete list of all federal regulations)

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 50	National Primary and Secondary Ambient Air Quality Standards	NO _x , CO, SO ₂ , PM ₁₀ , PM _{2.5} , Ozone, Lead	Facility	Applicable
40 CFR 51	Requirements for Preparation, Adoption, and Submittal of Implementation Plans	All Regulated Pollutants	City of Albuquerque/Bernalillo County is the regulating authority for this facility.	Applicable
40 CFR 52	Approval and Promulgation of Implementation Plans	All Regulated Pollutants	City of Albuquerque/Bernalillo County is the regulating authority for this facility.	Applicable
40 CFR 60, Subpart A	NSPS – General Provisions	Pollutants applicable to 40 CFR 60	General provisions for any new or revised NSPS.	Applicable for emergency generator (S109)
40 CFR 60, Subpart III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	PM, SO ₂ , NO _x , CO, NMHC	The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commence construction after July 11, 2005.	Applicable for emergency generator (S109)
40 CFR 61, Subpart M	National Emission Standards for Asbestos	Asbestos	Asbestos mills, roadways with asbestos tailings, manufacturing operations using commercial asbestos, demolition and renovation activities, spraying of asbestos-containing materials, fabricating operations using commercial asbestos, and operations that convert asbestos-containing material into asbestos-free material.	Applicable if RGS is performing any demolition activities that trigger the provisions of this regulation.
40 CFR 63 Subpart A	Requirements for Control Technology Determinations for Major Sources in Accordance With Clean Air Act Sections, Sections 112(g) and 112(j)	HAPs	General provisions for stationary sources that emit or have the potential to emit HAPs.	Applicable for each source category, as indicated in 40 CFR 63 (see below)

II. Applicable Regulations and Requirements Review

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 63 Subpart B	List of Hazardous Air Pollutants, Petition Process, Lesser Quantity Designations, Source Category List	HAPs	One or more stationary sources, that is a major source of HAPs, included in a source category for which emission standards have not been established.	Applicable for each source category for which emission standards have not been established
40 CFR 63 Subpart C	Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants	Caprolactam	Caprolactam has been deleted from the list of HAPs.	Not applicable
40 CFR 63 Subpart D	Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants	HAPs	Existing sources that require a compliance extension from a standard issued under Section 112(d) of the Clean Air Act.	Applicable for sources that require a compliance extension from a standard issued under Section 112(d) of the Clean Air Act
40 CFR 63 Subpart E	Approval of State Programs and Delegation of Federal Authorities	HAPs	Establishes procedures for the approval of State rules or programs to establish limitations on the potential to emit pollutants listed in or pursuant to section 112(b) of the Act.	Applicable
40 CFR 63 Subpart H	National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	HAPs	Devices or systems that are intended to operate in organic hazardous air pollutants service 300 hours or more during the calendar year, within a source subject to a specific subpart.	Not applicable
40 CFR 63 Subpart I	National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks	Butadiene, styrene, carbon tetrachloride, methylene chloride, ethylene dichloride, tetrachloro-ethylene and chloroform	Styrene-butadiene rubber production; polybutadiene rubber production; Captafol, Captan, chlorothalonil, dacthal, and Tordon acid production; Hypalon, OBPA, polycarbonates, polysulfide rubber, chlorinated paraffins, and symmetrical tetrachloropyridine production; pharmaceutical production using carbon tetrachloride or methylene chloride; and methylmethacrylate-butadiene-styrene resins, butadiene- furfural cotrimer, methylmethacrylate-acrylonitrile- butadiene-styrene resins, and ethylidene norbornene production.	Not applicable

II. Applicable Regulations and Requirements Review

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 63 Subpart Q	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	HAPs	Industrial process cooling towers that are operated with chromium-based water treatment chemicals on or after September 8, 1994.	Not applicable
40 CFR 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Total organic compounds	Bulk gasoline terminals and pipeline breakout stations.	Not applicable
40 CFR 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities	HAPs	Applies to the owners and operators of the emission points that are located at oil and natural gas production facilities	Not applicable
40 CFR 63 Subpart OO	National Emission Standards for Tanks - Level 1	HAPs	Tanks subject to another subpart of 40 CFR Parts 60, 61, or 63 that references this subpart.	Not applicable
40 CFR 63 Subpart QQ	National Emission Standards for Surface Impoundments	HAPs	Surface impoundments subject to another subpart of 40 CFR Parts 60, 61, or 63 that references this subpart.	Not applicable
40 CFR 63 Subpart SS	National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process	HAPs	Requirements for closed vent systems, control devices and routing of air emissions to a fuel gas system or process.	Not applicable

II. Applicable Regulations and Requirements Review

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 63 Subpart TT	National Emission Standards for Equipment Leaks - Control Level 1	HAPs	Applies to the control of air emissions from equipment leaks for which another subpart references the use of this subpart for such air emission control.	Not applicable
40 CFR 63 Subpart UU	National Emission Standards for Equipment Leaks - Control Level 2 Standards	HAPs	Applies to the control of air emissions from equipment leaks for which another subpart references the use of this subpart for such air emission control.	Not applicable
40 CFR 63 Subpart VV	National Emission Standards for Oil-Water Separators and Organic-Water Separators	HAPs	Oil-water separators and organic-water separators subject to another subpart of 40 CFR Parts 60, 61, or 63 that references this subpart.	Not applicable
40 CFR 63 Subpart WW	National Emission Standards for Storage Vessels (Tanks) - Control Level 2	HAPs	Applies to the control of air emissions from storage vessels for which another subpart references the use of this subpart for such air emission control.	Not applicable
40 CFR 63 Subpart YYYY	National Emission Standard for Hazardous Air Pollutants for Stationary Combustion Turbines	HAPs	Establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emissions from stationary combustion turbines located at major sources of HAP emissions, and requirements to demonstrate initial and continuous compliance with the emission and operating limitations.	Not applicable RGS is not a major source of HAPs
40 CFR 63 Subpart ZZZZ	National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	HAPs	Establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions.	Applicable for RGS emergency generator

II. Applicable Regulations and Requirements Review

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 63 Subpart UUUUU	National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units	HAPs	Establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from coal- and oil-fired electric utility steam generating units (EGUs)	Not applicable RGS is a natural gas fired steam generating unit.
40 CFR 63 Subpart JJJJJ	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources	HAPs	Owner or operator of an industrial, commercial, or institutional boiler.	Not applicable RGS is a natural gas fired boiler.
40 CFR 64	Compliance Assurance Monitoring	All pollutants	Emission units with controls and with a potential to emit greater than the Major Source Threshold.	Not applicable RGGG is not applicable to CAM.
40 CFR 68	Chemical Accident Prevention Provisions	Toxic and flammable substances	Facilities with a stationary source that has more than the threshold quantity of a listed regulated substance.	Not applicable
40 CFR 70	State Operating Permits Programs	Regulated Pollutants	Establishment of comprehensive State air quality permitting systems consistent with the requirements of title V of the Clean Air Act	Applicable
40 CFR 72	Permits Regulation	SO ₂ , NO _x	Sources subject to the Acid Rain Program: units listed in Tables 1, 2, or 3 of 40 CFR 73 or utility units (units that sell electricity).	Applicable
40 CFR 73	Sulfur Dioxide Allowance System	SO ₂	Facilities applicable to 40 CFR 72; independent power producers; facilities who may apply to receive allowances under the Energy Conservation and Renewable Energy Reserve Program; small diesel refineries; and any other person who chooses to purchase, hold, or transfer allowances (authorization to emit up to one ton of sulfur dioxide).	Applicable, RGS holds SO ₂ Allowances

II. Applicable Regulations and Requirements Review

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 74	Sulfur Dioxide Opt-Ins	SO ₂	Combustion or process sources not affected by 40 CFR 72 may submit an opt-in permit application to become opt-in sources.	Not applicable
40 CFR 75	Continuous Emission Monitoring	SO ₂ , NO _x , CO	Units subject to Acid Rain emission limitations and reduction requirements for SO ₂ and NO _x .	Applicable
40 CFR 76	Acid Rain Nitrogen Oxides Emission Reduction Program	NO _x	Coal-fired utility units.	Not applicable
40 CFR 77	Excess Emissions	SO ₂ , NO _x	Facilities affected under the Acid Rain Program.	Applicable
40 CFR 79	Registration of Fuels and Fuel Additives	VOCs, HAPs	Fuel manufacturers.	Not applicable
40 CFR 80 Subpart A	General Provisions	VOCs, HAPs	General provisions for the control and/or prohibition of fuels and additives for use in motor vehicles and motor vehicle engines.	Not applicable
40 CFR 80 Subpart B	Controls and Prohibitions	VOCs, HAPs	Fuel distributors, wholesale purchaser-consumers, motor vehicle manufacturers, retailers, refiners, importers, resellers and carriers for gasoline, diesel fuel, liquefied petroleum gas, and natural gas.	Not applicable
40 CFR 80 Subpart C	Oxygenated Gasoline	VOCs, HAPs	Gasoline retailers responsible for labeling pumps that are part of the oxygenated gasoline program.	Not applicable
40 CFR 80 Subpart D	Reformulated Gasoline	Multiple pollutants associated with reformulated gasoline	Reformulated gasoline intended for sale or use in any covered area.	Not applicable
40 CFR 80 Subpart E	Anti-Dumping	Multiple pollutants associated with anti-dumping	Refiners and importers of conventional gasoline.	Not applicable

II. Applicable Regulations and Requirements Review

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 80 Subpart F	Attest Engagements	VOCs, HAPs	Gasoline refiners, importers, and oxygenate blenders.	Not applicable
40 CFR 80 Subpart G	Detergent Gasoline	VOCs, HAPs	Gasoline distributors.	Not applicable
40 CFR 80 Subpart H	Gasoline Sulfur	Gasoline sulfur standards	Gasoline refiners and importers.	Not applicable
40 CFR 80 Subpart I	Motor Vehicle Diesel Fuel; Nonroad, Locomotive, and Marine Diesel Fuel; and ECA Marine Fuel	Diesel fuel additive standards	Standards for diesel fuel additives for nonroad, locomotive, and marine diesel Fuel and ECA marine fuel	Not applicable
40 CFR 80 Subpart J	Gasoline Toxics	Toxicants	Refiners and importers of conventional gasoline.	Not applicable
40 CFR 80 Subpart K	Renewable Fuel Standard	Renewable Fuel Standard	Standards for fuel that is used to replace or reduce the quantity of fossil fuel present in a fuel mixture used to operate a motor vehicle.	Not applicable
40 CFR 80 Subpart L	Gasoline Benzene	Benzene	Gasoline produced at each refinery of a refiner or imported by an importer, must meet the specific benzene standard.	Not applicable
40 CFR 80 Subpart M	Renewable Fuel Standard	GHG	Apply to all renewable fuel produced on or after July 1, 2010, for all RINs generated on or after July 1, 2010, and for all renewable volume obligations and compliance periods starting with January 1, 2010.	Not applicable
40 CFR 80 Subpart N	Additional Requirements for Gasoline-Ethanol Blends	Labeling	Any retailer or wholesale purchaser-consumer who sells, dispenses, or offers for sale or dispensing E15 shall affix a conspicuous and legible label to the fuel dispenser	Not applicable
40 CFR 80 Subpart O	Gasoline Sulfur	Gasoline sulfur standards	Gasoline refiners and importers.	Not applicable
40 CFR 82 Subpart A	Production and Consumption Controls	Class I substances: chlorofluorocarbons (CFCs), halons, carbon tetrachloride, and methyl chloroform Class II substances: hydrochlorofluoro- carbons (HCFCs)	Produce, transform, destroy, import, or export a controlled substance or import a controlled product.	Not applicable

II. Applicable Regulations and Requirements Review

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 82 Subpart B	Servicing of Motor Vehicle Air Conditioners	Class I and II substances	Service on a motor vehicle that involves the refrigerant in the air conditioner.	Not applicable
40 CFR 82 Subpart D	Federal Procurement	Class I and II substances	Federal departments, agencies, and instrumentalities to adopt procurement regulations.	Not applicable
40 CFR 82 Subpart E	The Labeling of Products Using Ozone Depleting Substances (ODS)	Class I and II substances	Containers filled with CFCs, halons, carbon tetrachloride, methyl chloroform or HCFCs and products manufactured with CFCs, halons, carbon tetrachloride, and methyl chloroform.	Not applicable
40 CFR 82 Subpart F	Recycling and Emissions Reduction	Class I and II substances	Servicing, maintaining, repairing, or disposing of appliances, as well as refrigerant reclaimers, appliance owners, manufacturers of appliances, and recycling and recovery equipment.	Not applicable
40 CFR 82 Subpart G	Significant New Alternatives Policy Program	ODS	Producers and users of substitutes for ODS	Not applicable
40 CFR 82 Subpart I	Ban on Refrigeration and Air-Conditioning Appliances Containing HCFCs	Class I and II substances	Protect stratospheric ozone by restricting the sale and distribution of HCFC containing appliances.	Not applicable
40 CFR 85	Control of Air Pollution from Motor Vehicles and Motor Vehicle Engines	Exhaust hydrocarbons, CO, NO _x , PM, evaporative hydrocarbons	Automobile manufacturers or importers.	Not applicable
40 CFR 86	Control of Air Pollution from New and In-Use Motor Vehicles and New and In-Use Motor Vehicle Engines Certification and Test Procedures	NO _x , PM	Automobile manufacturers.	Not applicable

II. Applicable Regulations and Requirements Review

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 87	Control of Air Pollution from Aircraft and Aircraft Engines	Fuel venting emissions and exhaust emissions	Aircraft gas turbines of classes T3, T8, TSS, and TF.	Not applicable
40 CFR 88	Clean-Fuel Vehicles	Exhaust emissions, carbon or nitrogen compounds, non-methane organic gas, CO, NO _x , PM, formaldehyde, non-methane hydrocarbon, total hydrocarbon,	Vehicles used in the Clean Fuel Fleet Program and the California Pilot Test Program.	Not applicable
40 CFR 89	Control of Emissions from New and In-Use Nonroad Engines	NO _x , CO, hydrocarbon, and PM exhaust emissions	Nonroad compression-ignition engines with a gross power output greater than or equal to 37 kilowatts.	Not applicable
40 CFR 90	Control of Emissions from Nonroad Spark-Ignition Engines	NO _x , CO, hydrocarbon, and PM exhaust emissions	Nonroad spark-ignition engines and vehicles with a gross power output less than or equal to 19 kilowatts.	Not applicable
40 CFR 91	Control of Emissions from Marine Spark-Ignition Engines	NO _x , CO, hydrocarbon, and PM exhaust emissions	Applies to marine spark-ignition engines used to propel marine vessels.	Not applicable
40 CFR 92	Control of Air Pollution from Locomotive and Locomotive Engines	NO _x , CO, hydrocarbon, and PM exhaust emissions	The provisions of this part apply to manufacturers, remanufacturers, owners and operators of: (1) Locomotives and locomotive engines manufactured on or after January 1, 2000; and (2) Locomotives and locomotive engines manufactured on or after January 1, 1973 and remanufactured on or after January 1, 2000; and (3) Locomotives and locomotive engines manufactured prior to January 1, 1973, and upgraded on or after January 1, 2000.	Not applicable

II. Applicable Regulations and Requirements Review

Federal Regulation Citation	Regulation Title	Regulated Pollutants	Regulated Source Category	Applicability
40 CFR 93	Determining Conformity of Federal Actions to State or Federal Implementation Plans	Planning Implementation	Determining Conformity of Federal Actions to State or Federal Implementation Plans	Not applicable
40 CFR 94	Control of Emissions from Marine Compression-Ignition Engines	NO _x , CO, hydrocarbon, and PM exhaust emissions	Applies to marine compression-ignition engines used to propel marine vessels.	Not applicable
40 CFR 96	NO _x Budget Trading Program and CAIR NO _x and SO ₂ Trading Programs for State Implementation Plans	NO _x	Establishes general provisions and the applicability, permitting, allowance, excess emissions, monitoring, and opt-in provisions for the NO _x Budget Trading Program for State implementation plans as a means of mitigating the interstate transport of ozone and nitrogen oxides, an ozone precursor.	Not applicable
40 CFR 97	Federal NO _x Budget Trading Program and CAIR NO _x and SO ₂ Trading Programs	NO _x and SO ₂	Establishes general provisions and the applicability, permitting, allowance, excess emissions, monitoring, and opt-in provisions for the federal NO _x Budget Trading Program as a means of mitigating the interstate transport of ozone and nitrogen oxides, an ozone precursor	Not applicable
40 CFR 98	Mandatory Greenhouse Gas Reporting	GHG	Establishes mandatory greenhouse gas (GHG) reporting requirements for owners and operators of certain facilities that directly emit GHG as well as for certain suppliers	Applicable

II. Applicable Regulations and Requirements Review

Notes:

<	=	less than	HCl	=	hydrogen chloride	PM	=	particulate matter
>	=	greater than	Hg	=	mercury	PWD	=	pathological waste destructor
AAQS	=	Ambient Air Quality Standards	Kg	=	kilogram(s)	SAE	=	Society of Automotive Engineers
AC	=	air conditioning	Lb/yr	=	pounds per year	SNAP	=	Significant New Alternative Policy
AQCR	=	Air Quality Control Region	MVAC	=	motor vehicle air conditioner	SO ₂	=	sulfur dioxide
Btu/hr	=	British thermal units per hour	NESHAP	=	National Emission Standards for Hazardous Air Pollutants	SOCMI	=	Synthetic organic chemicals manufacturing industry
Cd	=	cadmium	NO ₂	=	nitrogen dioxide	tpy	=	tons per year
CFC	=	chlorofluorocarbon	NO _x	=	nitrogen oxide	VOC	=	volatile organic compound
CFR	=	<i>Code of Federal Regulations</i>	NMAC	=	<i>New Mexico Administrative Code</i>	DOE	=	Department of Energy
CO	=	carbon monoxide	NSPS	=	New Source Performance Standards	Pb	=	lead
ODS	=	ozone-depleting substances	HAP	=	hazardous air pollutant			

III. Monitoring Protocol

III. Monitoring Protocol

40 CFR Part 64; Compliance Assurance Monitoring

64.2 Applicability

(a) *Except for backup utility units that are exempt under paragraph (b)(2) of this section, the requirements of this part shall apply to a pollutant-specific emissions unit at a major source that is required to obtain a part 70 or 71 permit if the unit satisfies all of the following criteria:*

(1) The unit is subject to an emission limitation or standard for the applicable regulated air pollutant (or a surrogate thereof), other than an emission limitation or standard that is exempt under paragraph (b)(1) of this section;

(2) The unit uses a control device to achieve compliance with any such emission limitation or standard; and

(3) The unit has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than 100 percent of the amount, in tons per year, required for a source to be classified as a major source. For purposes of this paragraph, “potential pre-control device emissions” shall have the same meaning as “potential to emit,” as defined in §64.1, except that emission reductions achieved by the applicable control device shall not be taken into account.

For PNM’s Reeves Generating Station, NO_x, CO, SO₂, VOC, or PM emissions do not achieve compliance with any emission limit or standard by use of a control device (40 CFR Part 64.2(a)(2)). PNM’s Reeves Generating Station is not applicable to 40 CFR Part 64.

IV. Monitoring, Recordkeeping, and Reporting Compliance Certification

IV. Monitoring, Recordkeeping, and Reporting Compliance Certification

PNM's Reeves Generating Station certified compliance with all applicable requirements of Title V Operating Permit #0499-M2-1AR as of July 15, 2020. The following list includes monitoring, recordkeeping, and reporting requirements and their compliance status as of February 4, 2021, the application submittal date. A compliance certification is enclosed in this section of the Title V Operating Permit #0499-M2-1AR Renewal Application.

Permit Condition	Requirement	Compliance Status
Emission Limits		
3.2.1	Table of hourly and annual emission limits in pounds per hour and tons per year for emission unit 1.	In Compliance with all permit allowable emission limits.
Monitoring		
3.4.1.1	Emission Units S101, S102, and S103 are equipped with CEMS for monitoring NO _x emissions as required by 40 CFR 75. Each NO _x CEM for Emission Units S101, S102, and S103 shall be used to demonstrate compliance with the 0.3 lb/MMBtu NO _x standard for "existing gas burning equipment" in accordance with 20.11.67.20.B NMAC. This condition is pursuant to 20.11.42.12.C.(1).(a) NMAC.	In Compliance. NO _x emissions are monitored by CEMS following the requirements of 40 CFR 75.
3.4.1.2	Emission Units S101, S102, and S103 are equipped with CEMS and shall be used to demonstrate compliance with the lb/hr NO _x emission limits in 3.2.1 in accordance with monitoring/reporting requirements of 40 CFR 75.	In Compliance. NO _x emissions are calculated using the NO _x CEMS and the requirements of 40 CFR 75.
3.4.1.3	The permittee shall demonstrate compliance with lb/hr CO emission limits by conducting annual emission tests for CO. The emission tests shall be conducted in accordance with EPA Method 10 for CO contained in 40CFR60, Appendix A, and with the requirements of Subpart A, <u>General Provisions</u> , Section 60.8.	In Compliance. An initial CO stack test was completed showing compliance with CO emission limits. Annual compliance testing has been performed as required.

IV. Monitoring, Recordkeeping, and Reporting Compliance Certification

Permit Condition	Requirement	Compliance Status
3.4.1.4	The permittee shall provide for the Department's approval a written test protocol at least thirty (30) days prior to the anticipated test date. The protocol shall describe the test methods to be used (including sampling methods and calibration procedures), shall list the equipment or devices to be tested (including sample locations), and shall describe data reduction procedures. Any variation from established sampling and analytical procedures or from Facility operating conditions shall be presented for Department approval.	In Compliance. Thirty (30) days prior to stack testing, RGS submits a test protocol.
3.4.1.5	Monitor SO ₂ emissions for Emission Units S101, S102, and S103 in accordance with 40 CFR 75.11 (d)(2) and 40 CFR 75 Appendix D.	In Compliance.
3.4.1.6	The permittee shall comply with the general monitoring requirements found in 40 CFR 98.3. Monitoring for CO ₂ for Emission Units S101, S102, and S103, and shall comply with the requirements of 40 CFR 98.44 and 40 CFR 75. Permittee shall follow the applicable quality assurance procedures for CO ₂ emissions in appendices B, D, and G to 40 CFR Part 75.	In Compliance.
3.4.1.7	Monitoring for CH ₄ and N ₂ O shall comply with the general monitoring requirements found in 40 CFR 98.3.	In Compliance.
3.4.1.8	Monitor the monthly total of natural gas consumed by each unit. Emission Units S101, S102, and S103 shall not exceed the fuel consumption rates specified in conditions 3.3.1, 3.3.2, and 3.3.3 based on a 12-month rolling total.	In Compliance.
3.4.1.9	Monitoring of visible emissions for Emission Unit S109 shall be limited to 20 percent opacity, 6-minute timed average and shall be conducted quarterly utilizing 40 CFR 60 Appendix A, Method 9 including one six-minute observation period, or by other methods as approved by the Department. Visible emissions tests shall not be conducted for the unit if it does not operate during a particular quarter.	In Compliance. PNM performs Method 9 opacity testing for Emission Unit S109 quarterly for quarters that the unit operates.
3.4.1.10	Monitor the monthly hours of operation for Emission Unit S109.	In Compliance. PNM monitors the monthly hours of operation for Emission Unit S109.

IV. Monitoring, Recordkeeping, and Reporting Compliance Certification

Permit Condition	Requirement	Compliance Status
3.4.2	When requested by the Department, the permittee shall provide schedules of testing and monitoring activities.	In Compliance. PNM provides schedules of testing and monitoring activities.
3.4.3	Unless otherwise identified elsewhere in this permit, all monitoring requirements are effective 120 days after the date of permit issuance.	In Compliance.
Recordkeeping		
4.1.1.1	Maintain and record the NO _x emissions for Emission Units S101, S102, and S103 in accordance with 40 CFR 75.12 (c) and 40 CFR Appendix F.	In Compliance. PNM maintains and records the NO _x emission for Emission Units S101, S102, and S103.
4.1.1.2	Maintain and record the NO _x emissions for Emission Units S101, S102, and S103 to demonstrate compliance with the NO _x emission limit specified in 20.11.67.20.B NMAC. This record shall express NO _x as NO ₂ in lb/MMBtu based on the averaging period specified in condition 3.2.1.1.	In Compliance. PNM maintains and records the NO _x emission for Emission Units S101, S102, and S103.
4.1.1.3.1	Maintain records of annual emissions tests for CO for Emission Units S101, S102, and S103. At a minimum, these records shall show the unit load in MW, fuel flow in scf/hr, heating value of fuel in Btu/dscf, percent oxygen, CO concentration in ppm, stack gas flow rates in dscf/hr, emission rate for CO in lb/hr, and lb/MMBtu.	In Compliance. PNM maintains records of annual emissions tests for CO for Emission Units S101, S102, and S103.
4.1.1.4	Maintain and record monthly fuel consumption rates expressed in cubic feet of natural gas per unit.	In Compliance PNM maintains and records monthly fuel consumption rates expressed in cubic feet of natural gas per unit.
4.1.1.5	Maintain and record the SO ₂ emissions for Emission Units S101, S102, and S103 in accordance with 40 CFR 75.11 (d) (2) and 40 CFR 75 Appendix D	In Compliance PNM maintains and records SO ₂ emissions for Emission Units S101, S102, and S103.
4.1.1.6	The permittee shall comply with the general recordkeeping requirements found in 40 CFR 98.3. Maintain records of Greenhouse Gas emissions as specified in 40 CFR 98.37. The permittee shall comply with the recordkeeping requirements of 40 CFR 98.3(g) and §98.37.	In Compliance PNM maintains all records found in 40 CFR 98.3.

IV. Monitoring, Recordkeeping, and Reporting Compliance Certification

Permit Condition	Requirement	Compliance Status
4.2	<p>All sampling and measured data required by this permit for the emissions units in this Facility shall be recorded. The minimum information to be included in these records is:</p> <ul style="list-style-type: none"> • the date, place as defined in the permit, and time of sampling or measurements; • the date(s) analyses were performed; • the company or entity that performed the analyses; • the analytical techniques or methods used; • the results of such analyses; and • the operating conditions existing at the time of sampling or measurement. 	<p>In Compliance PNM records all sampling and measured data required by this permit for the emissions units at RGS.</p>
Reporting		
5.1.1.1	<p>Reports of monitoring of NO_x emissions for Emission Units S101, S102, and S103 shall be expressed in lb/hr and as NO₂ in lb/MMBtu based on the averaging times and rolling total specified by Conditions 3.2.1.1 and 3.2.1.2.</p>	<p>In Compliance PNM will expressed NO₂ emission rates in lb/MMBtu based on the averaging times and rolling total specified by Conditions 3.2.1.1 and 3.2.1.2.</p>
5.1.1.2	<p>Reports of annual CO emission tests shall summarize in tabular form the information required by 4.1.1.4.1.</p>	<p>In Compliance. An initial CO stack test was completed and reported showing compliance with CO emission limits. Annual compliance testing has been performed and reported as required.</p>
5.1.1.3	<p>The permittee shall comply with any relevant reporting requirements under the provisions of the Acid Rain Program.</p>	<p>In Compliance. PNM operates under Acid Rain Permit AR499-RN1. A renewal Acid Rain permit application is submitted with this application.</p>
5.1.1.5	<p>Reports of monitoring monthly fuel consumption rates for Emission Units S101, S102, and S103.</p>	<p>In Compliance. PNM reports all monthly operating hours for each fuel type for Emission Units S101, S102, and S103.</p>
5.1.2.1	<p>Report records of monthly hours of operation for Emission Unit S109 on a 12-month rolling total.</p>	<p>In Compliance. PNM records the monthly hours of operation for Emission Unit S109 on a 12-month rolling total.</p>
5.1.2.2	<p>Report records of visible emissions monitoring, if required, for Emission Unit S109.</p>	<p>In Compliance.</p>

IV. Monitoring, Recordkeeping, and Reporting Compliance Certification


Permit Condition	Requirement	Compliance Status
5.2	<p>Reports of all required monitoring activities for this Facility shall be submitted to the Department on the following schedule. This condition is pursuant to 20.11.42.12.C.(5).(a) NMAC</p> <p>S101, S102, S103 (CO periodic tests) - Within 45 days of after completion of each periodic test.</p> <p>S101, S102, S103 (NOx, fuel consumption) - Within 45 days following June 30th and December 31st.</p> <p>S109 - Within 45 days following June 30th and December 31st.</p> <p>S101, S102, S103 (GHG reporting under 40 CFR 98 Subparts A & D) - No later than March 31 of each calendar year for emissions from the previous calendar year.</p> <p>Entire Facility (GHG reporting under 20.11.48 NMAC) – 20.11.48 NMAC was repealed.</p>	<p>In Compliance PNM submits all reports as required.</p>
5.3 and 5.3.1	<p>The permittee shall submit reports of all deviations (including emergencies) from permit requirements to the Department when they occur. The permittee shall communicate initial notice of the deviation to the Department within twenty-four (24) hours of the start of the first business day following the start of the occurrence via telephone or facsimile. Within ten (10) calendar days of the start of the first business day following the start of the occurrence, written notice using the Excess Emissions Form (attached to this permit) shall be submitted to the Department. This condition is pursuant to 20.11.42.12.C.(5).(b) NMAC.</p> <p>A deviation report that results in excess emissions shall also include the specific notification requirements of 20.11.49.15 NMAC.</p>	<p>In Compliance PNM submits all reports as required.</p>

IV. Monitoring, Recordkeeping, and Reporting Compliance Certification

CERTIFICATION OF COMPLIANCE WITH 20 NMAC 11.42

I, Heath Lee, hereby certify that the information and data submitted in this application package are as complete, true and accurate as possible, to the best of my personal knowledge and professional expertise and experience. Based on the information and belief formed after reasonable inquiry, PNM states that the Reeves Generating Station will be operated in compliance with applicable requirements for which it is in compliance as of the date of submittal of this application.

In addition, PNM's Reeves Generating Station will meet additional applicable requirements that become effective during the permit term in a timely manner or in such time as expressed in the schedule required by the applicable requirement. In the event that PNM should discover new information affecting the compliance status of the facility, PNM will make appropriate notifications and/or corrective actions.



SIGNATURE

January 27, 2021

DATE

Heath Lee

PRINTED NAME

Director, Plant Management I

TITLE

V. Criteria Pollutant Emission Rate Calculations

V. Criteria Pollutant Emission Rate Calculations

For S101 (Unit 1), S102 (Unit 2), and S103 (Unit 3), boiler criteria pollutant emissions are unchanged from Title V Operating Permit #0499-M2-AR1. Nitrogen oxide (NO_x) permit allowable emissions were based on previous stack testing results from 1995 with a safety factor of 1.5 applied. Carbon monoxide (CO) permit allowable emissions were based on previous stack testing results from 2001 with a rounding up safety factor applied. For sulfur dioxide (SO₂), non-methane VOC (NMVOC), and particulate (PM = PM₁₀ = PM_{2.5}) permit allowable emissions were based on EPA's AP-42 Section 1.4, Table 1.4-1, 7/98, "Utility/large industrial boilers" emission factors times the maximum hourly fuel usage plus a 1.5 safety factor. Annual emissions for all criteria pollutants are based on operation of the units 8760 hours per year. Annual emissions for NO_x, CO, SO₂, NMVOC, and PM (PM, PM₁₀, and PM_{2.5}) are reduced to a unit utilization factor of 80%. The following tables summarize the emission equation input assumptions, and the hourly and annual criteria pollutant emission rates for S101, S102, and S103.

Unit Maximum Hourly Fuel Usage

Unit 1	539500	scf/hr
Unit 2	539500	scf/hr
Unit 3	773500	scf/hr

AP-42 Section 1.4 Emission Factors

SO ₂	0.6	lbs/MMscf
NMVOC	5.5	lbs/MMscf
PM	7.6	lbs/MMscf

	Unit 1 (S101)		Unit 2 (S102)		Unit 3 (S103)	
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
NO_x	181.7	636.7	165.2	578.9	639.0	2239.0
CO	375.0	1314.0	375.0	1314.0	275.0	963.6
SO₂	0.49	1.7	0.49	1.7	0.7	2.5
NMVOC	4.5	15.6	4.5	15.6	6.5	22.3
PM	6.2	21.7	6.2	21.7	8.8	30.8
PM₁₀	6.2	21.7	6.2	21.7	8.8	30.8
PM_{2.5}	6.2	21.7	6.2	21.7	8.8	30.8
NO _x emission rates based on 1995 stack testing results plus a 1.5 safety factor applied.						
CO emission rates based on 2001 stack testing results with a rounding up safety factor applied.						
PM, SO ₂ , and NMVOC emission rates based on AP-42 Section 1.4, Table 1.4-1, 7/98 Utility/large industrial boilers plus a 1.5 safety factor applied.						

V. Criteria Pollutant Emission Rate Calculations

Emergency Generator

(S109)

EPA Tier 3 (2007)	NMHC+NO _x , CO, VOC and PM Emissions			
Mass Balance	SO ₂ Emissions			
Engine Size	400.0	kW	horsepower	755
	27.4	gal/hr	%sulfur	0.05 %
Annual Hours	500			

Emission Factors

NMHC+NO _x	4.80	g/hp-hr	
CO	2.60	g/hp-hr	
SO ₂	0.19	lbs/hr	SO ₂ emissions based on fuel usage gal/hr times 7.0 lbs/gal times fuel %
PM	0.15	g/hp-hr	sulfur content times a factor of 2.

Calculated Emissions Rates

NO _x	7.99	lbs/hr	1.98	tons/yr
CO	4.33	lbs/hr	1.08	tons/yr
SO ₂	0.19	lbs/hr	0.048	tons/yr
PM	0.25	lbs/hr	0.063	tons/yr

V. Criteria Pollutant Emission Rate Calculations

Cooling Tower Emissions

Cooling tower particulate emission calculations based on the NMED Policy "Calculating TSP, PM-10 and PM-2.5 from Cooling Towers" dated June 25, 2013

Emission Points S305 (Unit 1), S306 (Unit 2), and S307 (Unit 3)

Cooling Tower PM Calculation

TDS= 5,500 mg/l all cooling towers
rho Salt 2.5 g/cm³

Droplet Diameter µm	Droplet Volume (µm) ³	Droplet Mass µg	PM Mass µg	PM Volume (µm) ³	Solid Diameters µm	Mass Fraction %
10	523.6	0.001	2.88E-06	1.2	1.3	0.000
20	4188.7	0.004	2.30E-05	9.2	2.6	0.196
30	14136.8	0.014	7.78E-05	31.1	3.9	0.226
40	33509.5	0.034	1.84E-04	73.7	5.2	0.514
50	65448.2	0.065	3.60E-04	144.0	6.5	1.816
60	113094.4	0.113	6.22E-04	248.8	7.8	5.702
70	179589.7	0.180	9.88E-04	395.1	9.1	21.348
90	381693.6	0.382	2.10E-03	839.7	11.7	48.812
110	696892.0	0.697	3.83E-03	1533.2	14.3	70.509
130	1150316.8	1.150	6.33E-03	2530.7	16.9	82.023
150	1767100.2	1.767	9.72E-03	3887.6	19.5	88.012
180	3053549.1	3.054	1.68E-02	6717.8	23.4	91.032
210	4848922.9	4.849	2.67E-02	10667.6	27.3	92.468
240	7238042.4	7.238	3.98E-02	15923.7	31.2	94.091
270	10305728.3	10.306	5.67E-02	22672.6	35.1	94.689
300	14136801.6	14.137	7.78E-02	31101.0	39.0	96.288
350	22448717.3	22.449	1.23E-01	49387.2	45.5	97.011
400	33509455.6	33.509	1.84E-01	73720.8	52.0	98.340
450	47711705.3	47.712	2.62E-01	104965.8	58.5	99.071
500	65448155.4	65.448	3.60E-01	143985.9	65.0	99.071
600	113094412.6	113.094	6.22E-01	248807.7	78.0	100.000

V. Criteria Pollutant Emission Rate Calculations

“Calculating Realistic PM10 Emissions from Cooling Towers”

Abstract No. 216 Session No. AM-1b

Joel Reisman and Gordon Frisbie

$$PM_{total} \text{ lbs/hr} = TDS(\text{mg/l}) \times 1(\text{lbs})/453600 (\text{mg}) \times 3.785(\text{l/gal}) \times Q_{circ}(\text{gpm}) \times Q_{drift}(\% Q_{circ})/100 \times 60(\text{min/hr})$$

$$PM \text{ lbs/hr} = PM_{total} \text{ lbs/hr} \times \text{Mass Fraction PM}$$

$$PM_{10} \text{ lbs/hr} = PM_{total} \text{ lbs/hr} \times \text{Mass Fraction PM}_{10}$$

$$PM_{2.5} \text{ lbs/hr} = PM_{total} \text{ lbs/hr} \times \text{Mass Fraction PM}_{2.5}$$

TDS (mg/l)	5,500	
Mass Fraction PM	93.59	extrapolated value closest to 30 μm in table above
Mass Fraction PM ₁₀	30.81	extrapolated value closest to 10 μm in table above
Mass Fraction PM _{2.5}	0.18	extrapolated value closest to 2.5 μm in table above

Table 2: Cooling Tower Potential Emission Rates

Emission ID	Circulation Rate gpm	drift rate %	PM lbs/hr	PM ₁₀ lbs/hr	PM _{2.5} lbs/hr	PM TPY	PM ₁₀ TPY	PM _{2.5} TPY
S305	36,000	0.002	1.86	0.61	0.0036	6.50	2.14	0.013
S306	36,000	0.002	1.86	0.61	0.0036	6.50	2.14	0.013
S307	55,000	0.002	2.83	0.93	0.0055	9.93	3.27	0.019

Annual emissions rates are reduced by a unit annual capacity factor of 80%.

V. Criteria Pollutant Emission Rate Calculations

Table 10 below summarizes the facility criteria pollutant allowable emission rates for all regulated sources.

Table 3: RGS Criteria Pollutant Allowable Emission Rate Summary – All Regulated Sources																
	Unit 1 (S101)		Unit 2 (S102)		Unit 3 (S103)		EG (S109)		CT 1 (S305)		CT 2 (S306)		CT 3 (S307)		Facility Total	
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
NO_x	181.7	636.7	165.2	578.9	639	2239	7.99	1.98							993.9	3457
CO	375	1314	375	1314	275	963.6	4.33	1.08							1029.3	3593
SO₂	0.49	1.7	0.49	1.7	0.7	2.5	0.19	0.048							1.9	6
NMVOC	4.5	15.6	4.5	15.6	6.5	22.3									15.5	54
PM	6.2	21.7	6.2	21.7	8.8	30.8	0.25	0.063	1.86	6.5	1.86	6.5	2.83	9.93	28.0	97
PM₁₀	6.2	21.7	6.2	21.7	8.8	30.8	0.25	0.063	0.61	2.14	0.61	2.14	0.93	3.27	23.6	82
PM_{2.5}	6.2	21.7	6.2	21.7	8.8	30.8	0.25	0.063	0.0036	0.013	0.0036	0.013	0.0055	0.019	21.5	74
Facility Total – Fee Pollutants															7207	

VI. Greenhouse Gas (GHG) Potential Emission Rate Calculations

VI. Greenhouse Gas (GHG) Potential Emission Rate Calculations

Table 4: Greenhouse Gas Emission Calculations – All Three Boiler Units Combined

Greenhouse Gas Potential Emission Rate (From 40CFR98, Subparts A,C, & D and 40CFR75, Appendix G)							
Natural Gas Operation							
1040	F_c (scf/MMBtu) (F-Factor)						
1781.25	H (MMBtu/hr)(combined for all three units)						
0.0026	U_f (scf CO ₂ /lb-mole @ 14.7 psia & 68°F)						
7008	hr/year (based on 80% of capacity)						
44	MW_{CO_2} (lb/lb-mole CO ₂) ^(a)						
$W_{CO_2} = (F_c * H * U_f * MW_{CO_2}) / 2000$ ^(a)							
105.96	Mass Rate, CO ₂ (tons/hr) (combined for all three units)						
1.00E-03	EF_{CH_4} (kg/MMBtu)						
1.00E-04	EF_{N_2O} (kg/MMBtu)						
$W_{CH_4 \text{ or } N_2O} = 1E-03 * H * EF * \text{Hours}$ ^(b)							
12.48	W_{CH_4} (tonnes/year) all three units						
1.25	W_{N_2O} (tonnes/year) all three units						
25	GWP_{CH_4}						
298	GWP_{N_2O}						
$CO_2\text{-e} = W * GWP$ ^(c)							
312	CO ₂ -e (tonnes, CH ₄)						
372.5	CO ₂ -e (tonnes, N ₂ O)						
$\text{Mass Rate (tons/year)} = \text{Mass Rate (tons/hr)} * \text{hrs/year}$							
742,568	Mass Rate, CO ₂ (tons/year)						
673,653	Mass Rate, CO ₂ (tonnes/year) (tons/yr / 1.1023 tons/tonne)						
$\text{Mass Rate (tons/year)} = \text{Mass Rate (tonnes/hr)} * 1.1023 \text{ tons/tonne}$							
343.9	Mass Rate, CH ₄ CO ₂ -e (tons/year)						
410.6	Mass Rate, N ₂ O CO ₂ -e (tons/year)						
743,323	Mass Rate, GHG (tons/year)						
674,338	Mass Rate, GHG (tonnes/year)						
<table border="1" style="margin: auto;"> <tr> <td colspan="2">Total GHG Potential Emission Rate</td> </tr> <tr> <td>674,338</td> <td>tonnes/year (metric tons)</td> </tr> <tr> <td>743,323</td> <td>tons/year (short tons)</td> </tr> </table>		Total GHG Potential Emission Rate		674,338	tonnes/year (metric tons)	743,323	tons/year (short tons)
Total GHG Potential Emission Rate							
674,338	tonnes/year (metric tons)						
743,323	tons/year (short tons)						
<p>^(a) From 40 CFR 98, Subpart D which refers to 40 CFR part 75, Appendix G, Equation G-4</p> <p>^(b) From 40 CFR 98, Subpart C, Equation C-8</p> <p>^(c) From 40 CFR 98, Subpart A, Equation A-1</p>							

VII. Hazardous Air Pollutants (HAPS) Potential Emission Rate Calculations

VII. Hazardous Air Pollutants (HAPS) Potential Emission Rate Calculations

Table 5: HAPS Emission Calculations – Natural GAS – All Three Units

Natural Gas Operation			
Hazardous Air Pollutants Potential Emission Rate			
Emission Factors - Uncontrolled (Values from AP-42 Table 3.1-3)			
Pollutant	Emission Factor (lb/MMBtu)	Potential Emission Rate (lb/hr)	Potential Emission Rate (tons per year)
1,3-Butadiene	<4.3E-07	0.00077	0.0027
Acetaldehyde	4.00E-05	0.071	0.25
Acrolein	6.40E-06	0.011	0.040
Benzene	1.20E-05	0.021	0.075
Ethylbenzene	3.20E-05	0.057	0.20
Formaldehyde	7.10E-04	1.3	4.4
Napthalene	1.30E-06	0.0023	0.0081
PAH	2.20E-06	0.0039	0.014
Propylene Oxide	<2.9E-05	0.052	0.18
Toluene	1.30E-04	0.23	0.81
Xylenes	6.40E-05	0.11	0.40
Potential Emission Rate		1.83 lb/hr	6.41 tpy
Assumptions			
1781.25	MMBtu/hr (combined three units firing rate and 1040 scf/MMBtu)		
7008	yearly hours of operation limit (based on 80% of capacity)		
Example Calculations			
Mass Rate (lb/hr) = Emission Rate (lb/MMBtu) * Firing Rate (MMBtu/hr)			
Benzene (NG) (lb/hr) = 1.2E-05 (lb/MMBtu) * 1781.25 (MMBtu/hr)			
Benzene (NG) = 0.021 lb/hr			
Mass Rate (tons/year) = Mass rate (lb/hr) * (Hours of operation/year)/ 2000 (lb/ton)			
Benzene (NG) (tons/year) = 0.021 (lb/hr) * 7008 (hrs/year)/2000 (lb/ton)			
Benzene (NG) = 0.075 tons/year			

VIII. Startup, Shutdown, and Maintenance Emissions

VIII. Startup, Shutdown, and Maintenance Emissions

No startup, shutdown, and maintenance (SSM) emission limits have been requested for PNM's Reeves Generating Station.

There are two basic types of startups: cold and warm. A cold startup refers to starting the unit from a state where the unit has cooled to ambient or near ambient temperatures. From this state, the boiler, turbine and auxiliary systems must be restarted in a carefully controlled procedure. A warm startup refers to restarting the unit when the unit has not been off line long enough for complete cool down. Warm startup procedures are generally a subset of the cold startup procedures and normally take less time to complete.

The cold startup procedure includes the following steps listed below. These are general steps. Detailed startup procedures differ slightly between units 1 and 2 and unit 3.

- a. Auxiliary equipment systems are started, stabilized and determined to be ready in advance of firing the boiler. This procedure involves determining proper setting of valves, dampers and availability of utility services, power, ignitor and main fuel and boiler feedwater.
- b. The unit is filled with condensate from the condensate storage tanks. Open secondary superheater and primary superheater outlet drain valves. Open the economizer equalizing line valve.
- c. Start the forced draft fan and inspect bearings, lubrication and cooling water.
- d. Open air registers wide open on all burners.
- e. Raise the air flow by the forced draft fans and initiate a boiler air purge cycle. The purge cycle is timed for five minutes.
- f. Light appropriate burners and check to see if flames are stable. Firing rate is observed so as to not exceed 100 °F temperature rise per hour of the steam drum.
- g. When proper steam pressure and temperature are available, the turbine is rolled and the generator is synchronized to the electrical system.
- h. Generator output is then dispatched by system demands.

VIII. Startup, Shutdown, and Maintenance Emissions

PNM's Reeves Generating Station minimizes emissions during startup, shutdown, and emergency upset & breakdown conditions by utilizing the following guidelines:

1. Design considerations; all systems at the Reeves Generating Station have been designed and constructed to meet established industry and equipment manufacturer design standards and practices.
2. Preventative Maintenance; Reeves Generating Station has a preventative maintenance program in place. This program includes all systems that can potentially contribute to excessive emissions during startup, shutdown, and emergency conditions. Preventative maintenance programs are also intended to minimize conditions that could potentially lead to excessive startup time or an excessive number of startups, shutdowns, or malfunctions.
3. Improper Operations; Startup, shutdown, and emergency conditions resulting from improper or careless operations are minimized through job experience requirements and training programs that meet or exceed generally established industry programs.
4. Startup and Shutdown Operation; startup and shutdown procedures will follow equipment manufacturer specified procedures and PNM guidelines.

IX. Fee Pollutants

IX. Fee Information

Fee pollutants are shown in the following table:

Table 6: Fee Pollutants

Fee Pollutant	Total in Tons per Year (TPY)
Carbon Monoxide (CO)	3593
Nitrogen Oxides (NOX)	3457
Particulate Matter (PM)	97
Sulfur Dioxide (SO ₂)	6
Volatile Organic Compounds (VOC)	54
Facility-Wide Fee Pollutant Totals (TPY)	7,207

X. Operational Plan to Mitigate Emissions

X. Operational Plan to Mitigate Emissions

PNM minimizes emissions during startup, shutdown, and emergency upset & breakdown conditions by utilizing the following guidelines:

1. Design considerations; all systems at the Reeves Generating Station have been designed and constructed to meet established industry design standards and practices.
2. Preventative Maintenance; PNM has a preventive maintenance program in place. This program includes all systems that can potentially contribute to excessive emissions during startup, shutdown, and emergency conditions. Preventative maintenance programs are also intended to minimize conditions that could potentially lead to excessive startup times or an excessive number of startups, shutdowns, or malfunctions.
3. Improper Operation; Startup, shutdown, and emergency conditions resulting from improper or careless operation are minimized through job experience requirements and training programs that meet or exceed generally established industry practices.
4. Startup and Shutdown Operation; startup and shutdown procedures will not depart from normal operating conditions as specified by the equipment manufacturer.

During periods of excess emissions caused by emergency upsets or breakdown conditions, PNM will perform the following actions:

1. Minimization; PNM will make the maximum reasonable effort to minimize the magnitude and duration of excess emissions. This effort may include, but is not limited to, depending on the nature of the cause, use of off-shift and /or over-time labor and use of contract labor and contractors.
2. Causes; determine, to the extent possible, the cause(s) and corrective measure(s) of the condition resulting in the excess emissions.
3. Notification; notify the City of Albuquerque/Bernalillo County Air Quality Program of all periods of excess emissions per the notification requirements of 20.11.49.15 NMAC.

XI. Facility Plot Plan

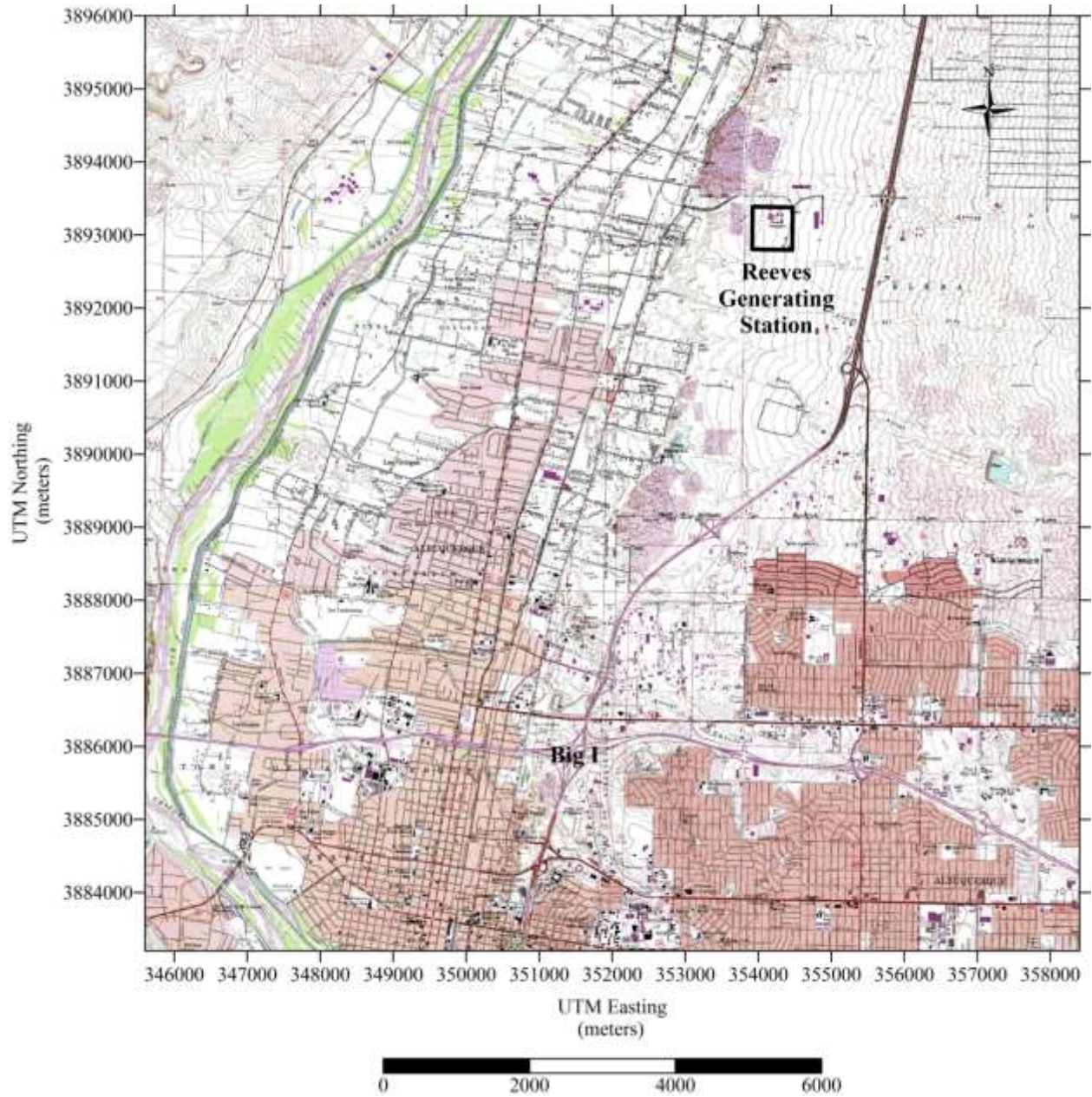


Figure 1: Topographical Map Showing Location of PNM's Reeves Generating Station

XI. Facility Plot Plan

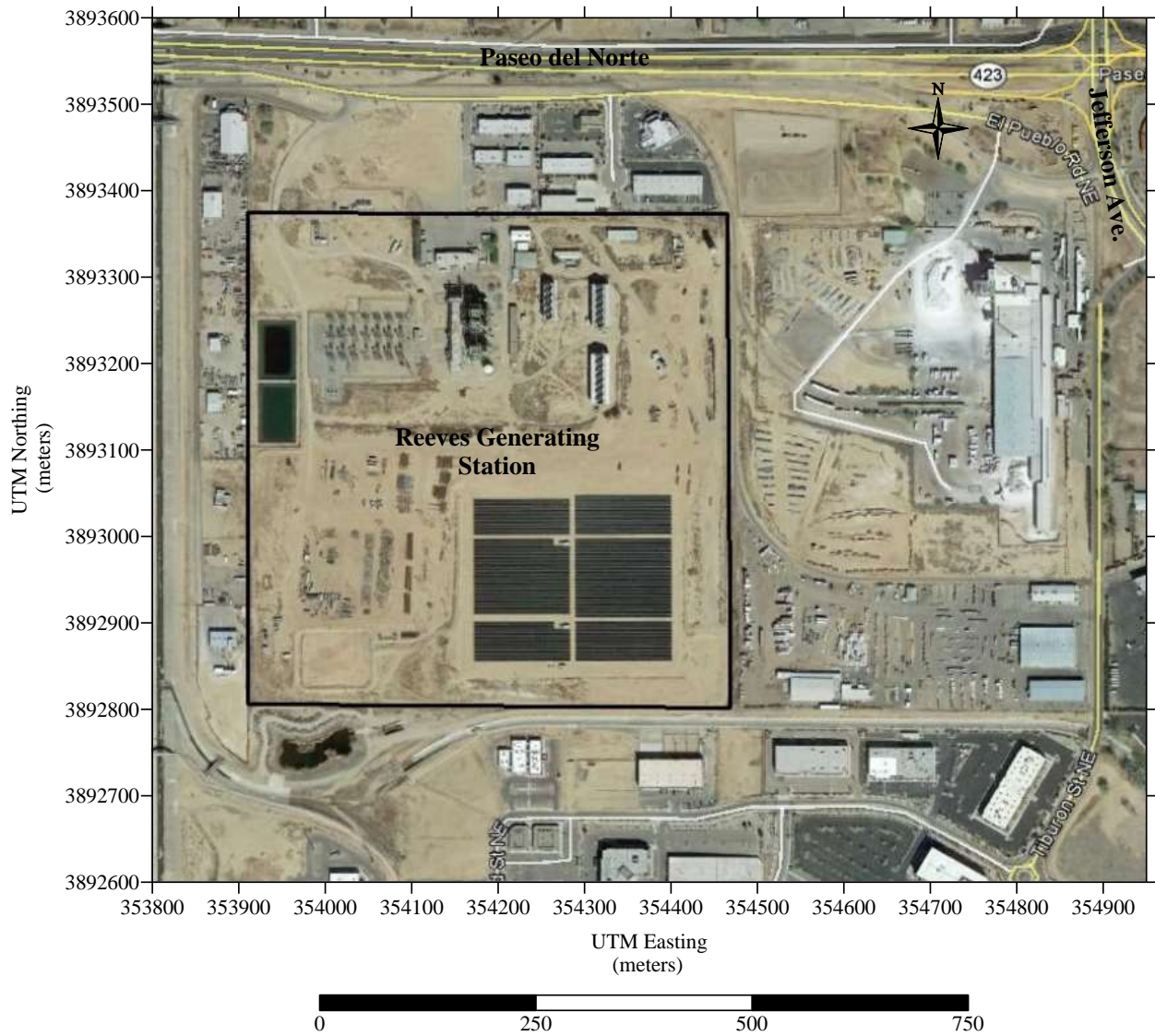


Figure 2: Aerial View Showing Location of PNM’s Reeves Generating Station

XI. Facility Plot Plan

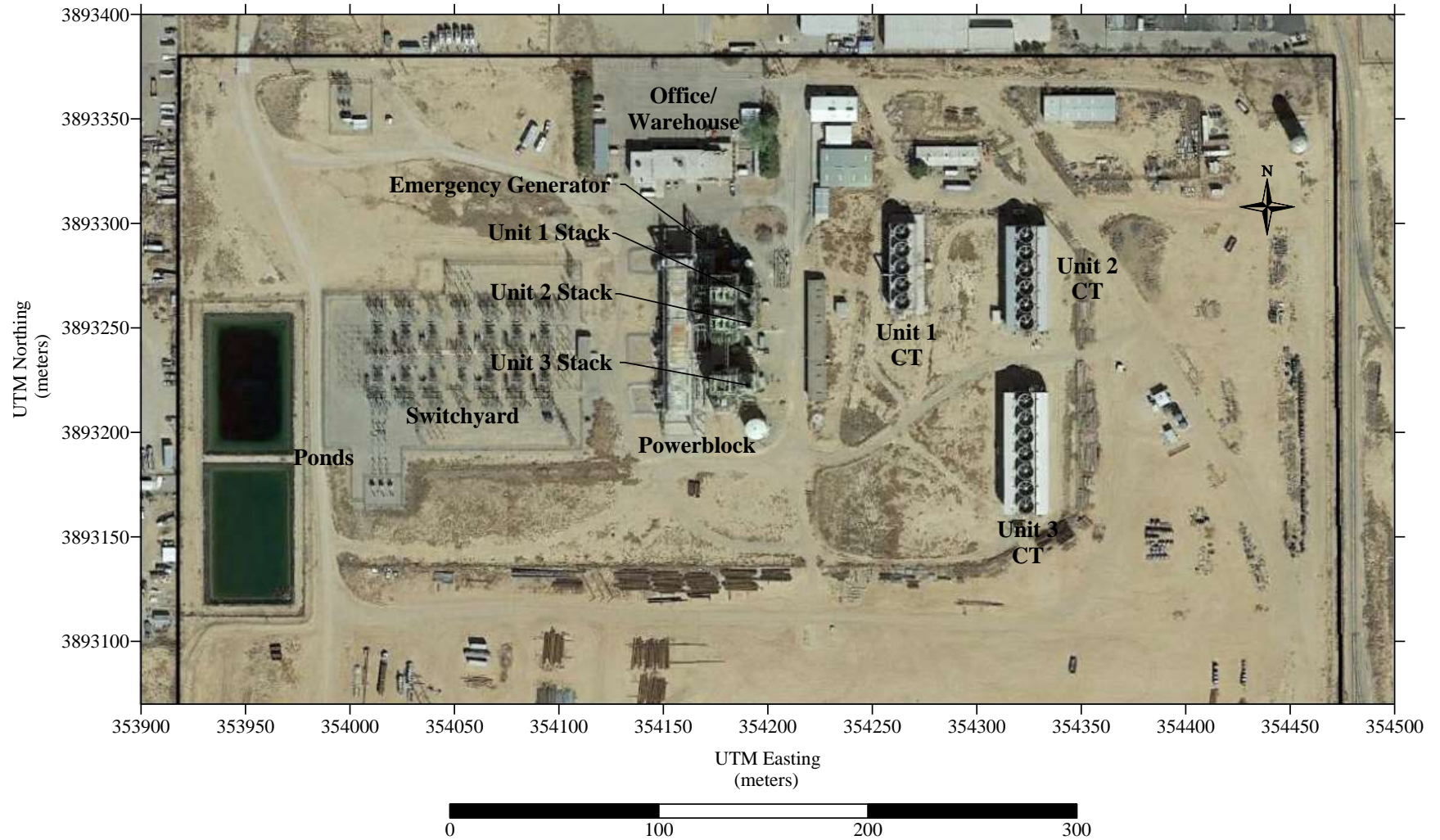


Figure 3: Aerial View Showing Equipment Layout of PNM's Reeves Generating Station

XII. Process Description

XII. Process Description

Fuel System

The fuel gas header is taken off the main gas header upstream of the main gas trip valve on each unit. The gas passes through a pressure reducing station that provides the desired pressure in the header. A pressure relief valve is provided downstream of the pressure controller in case it should function improperly. The natural gas fuel system is composed of:

- Unit 1 Boiler
- Unit 2 Boiler
- Unit 3 Boiler
- Space Heaters

Unit 1 Boiler (S101)

Unit 1 boiler was designed by Babcock and Wilcox to produce 467,500 pounds of steam an hour at a temperature and pressure of 950°F and 1380 PSIA. The unit was installed in 1960 and was originally designed to burn both fuel oil and natural gas. The fuel oil delivery system has been removed. The boiler burns only natural gas at a maximum rate of 539,500 cubic feet per hour. Unit 1 boiler exhausts to Unit 1 stack and is a source of criteria pollutants.

Unit 2 Boiler (S102)

Unit 2 boiler was designed by Babcock and Wilcox to produce 467,500 pounds of steam an hour at a temperature and pressure of 950°F and 1380 PSIA. The unit was installed in 1958 and was originally designed to burn both fuel oil and natural gas. The fuel oil delivery system has been removed. The boiler burns only natural gas at a maximum rate of 539,500 cubic feet per hour. Unit 2 boiler exhausts to Unit 2 stack and is a source of criteria pollutants.

Unit 3 Boiler (S103)

Unit 3 boiler was designed by Babcock and Wilcox to produce 700,000 pounds of steam an hour at a temperature and pressure of 950°F and 1380 PSIA. The unit was installed in 1962 and was originally designed to burn both fuel oil and natural gas. The fuel oil delivery system has been removed. The boiler burns only natural gas at a maximum rate of 773,500 cubic feet per hour. Unit 3 boiler exhausts to Unit 3 stack and is a source of criteria pollutants.

XII. Process Description

Space Heaters

There is space heating in three buildings, the power block building, the plant offices and the plant shop. All the space heaters burn natural gas, are rated less than 5 million Btu and are insignificant sources.

Emergency Generator (S109) and Fuel Storage Tank (S110)

One emergency generator is located at Reeves Station. The emergency generator was installed in 2009. The emergency generator includes a 755 horsepower Cummins diesel engine, a generator, and a 300 gallon fuel storage tank. The engine burns diesel at a maximum rate of 27.5 gallons per hour. Exhaust emissions were calculated for an operational time of 500 hours or 13,750 gallons of fuel burned. The emergency generator exhausts to Unit stack 4 and is a source of criteria pollutants. The fuel tank is an insignificant source of criteria pollutants.

Emission Sources

- (S101) Unit 1 Stack Emissions
- (S102) Unit 2 Stack Emissions
- (S103) Unit 3 Stack Emissions
- (S109) Emergency Generator Stack Emissions
- (S110) Emergency Generator Fuel Storage Tank

XIII. Process Flow Diagram

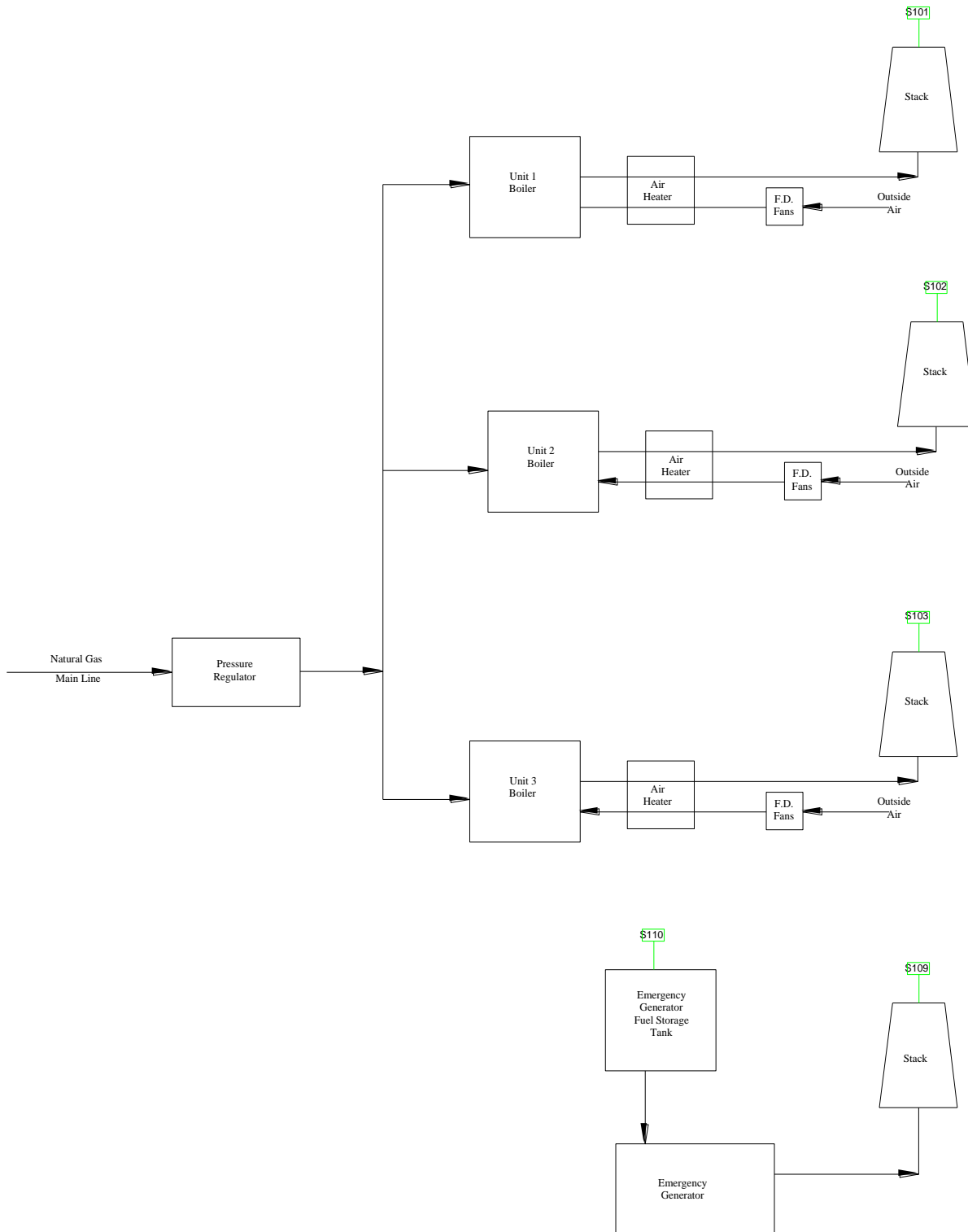


Figure 4: Reeves Generating Station Fuel System Emission Sources

XIII. Process Flow Diagram

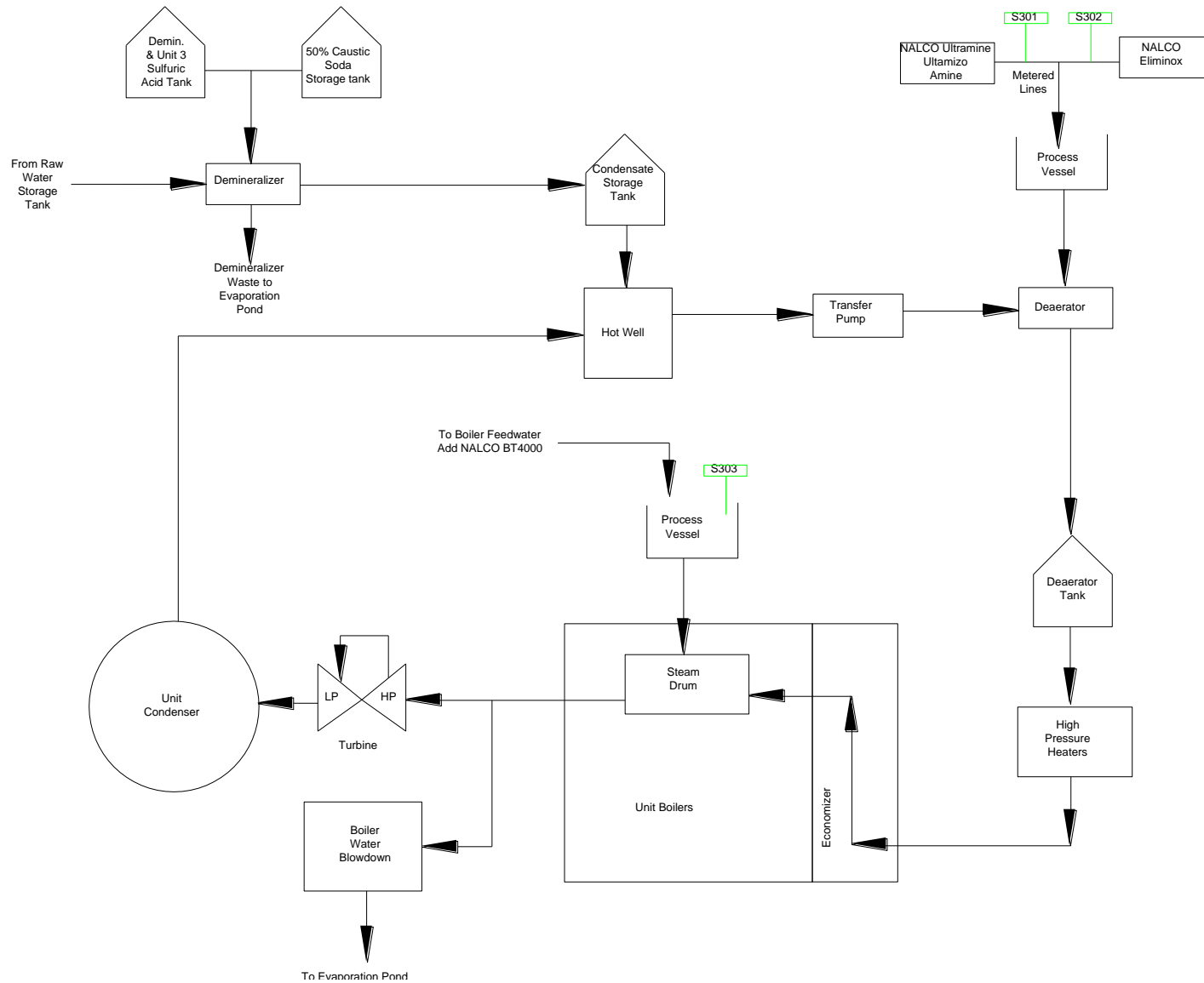


Figure 5: Reeves Generating Station Raw Water and Circulating Water Systems

XIII. Process Flow Diagram

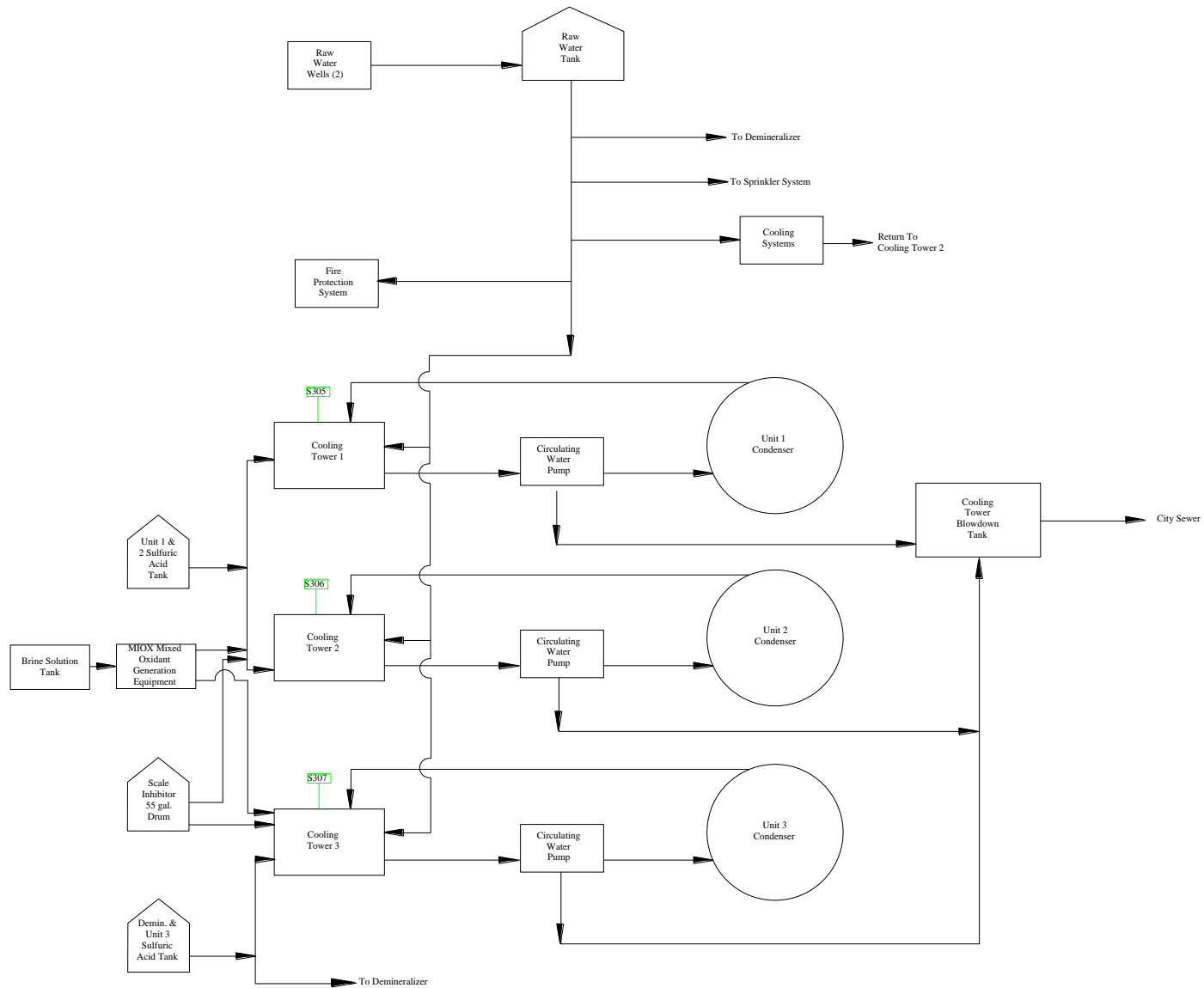


Figure 6: Reeves Generating Station Boiler Water System

XIV. Alternative Operating Scenarios

XIV. Alternative Operating Scenarios

PNM's RGS operates only in the manner described in their current operating permit and does not have alternative operating scenarios.

XV. Dispersion Modeling

XV. Dispersion Modeling Analysis

Dispersion modeling analyses for RGS have been previously submitted. Modeling for criteria pollutants (PM₁₀, PM, CO, and NO_x) was submitted with the initial Operating Permit application dated January 1996. SO₂ emissions were considered negligible and were not included in the modeling analysis. The January 1996 permit application includes detailed summary of the dispersion modeling analysis plus hardcopy printouts of the model inputs and output reports. The PM and CO modeling was updated in the September 2001 Operating Permit Renewal application to address changes in the allowable PM and CO emission rates for the three main boilers units. The September 2001 application contains a basic modeling protocol, a summary of the modeling results, and copies of the model input and output files.

There have been no emission increases or change in stack parameters since these previous modeling analyses were performed. In fact, during the September 2001 Operating Permit Renewal process, PNM agreed to reduce RGS annual emission to reflect a maximum 80 percent annual capacity factor. All previous modeling analysis were based on a 100 percent annual capacity factor, therefore give conservative values for annual average impacts.

Since there are no increases in emission rates or changes in stack parameters, dispersion modeling has not been revised for this Operating Permit Renewal application. However, there has been the addition of a new federal ambient air quality standard for PM_{2.5} since the previous modeling analyses. To determine compliance with PM_{2.5} ambient standard, the results of the PM (PM = PM₁₀ = PM_{2.5}) dispersion modeling were used, even though PM_{2.5} emission rates for the cooling towers is less than PM emission rates originally used in the dispersion model. The following table summarizes the results of the previous dispersion modeling. Note that for Operating Permit modeling only RGS sources were modeled.

XV. Dispersion Modeling

Table 7: Summary of Dispersion Modeling Results				
Parameter	Maximum Modeled Concentration ($\mu\text{g}/\text{m}^3$)	Maximum Modeled Concentration With Background ($\mu\text{g}/\text{m}^3$)	Lowest Applicable Standard ($\mu\text{g}/\text{m}^3$)	% of Standard
NO ₂ 24 Hr.	124	154	188	81.9
NO ₂ Annual	48	78	94	84.0
CO 1 Hr.	1400	***	15007	9.3
CO 8 Hr.	497	***	9967	5.0
PM ₁₀ 24 Hr. Highest 1 st High	10.8	41.8	150	27.9
PM _{2.5} 24 Hr. Highest 1 st High	10.8	26.8	35	76.6
PM _{2.5} Annual	0.7	6.1	12	50.8

Background particulate concentrations were obtained from the Albuquerque/Bernalillo County - Air Quality Bureau's Modeling Guidelines (Revised 12/20/19) for that area. For NO₂ the city 24-hour and annual background is 30 $\mu\text{g}/\text{m}^3$. For PM₁₀ the 24-hour background from the North Valley monitor is 31 $\mu\text{g}/\text{m}^3$. For PM_{2.5} the 24-hour and annual background from the Del Norte monitor is 5.4 $\mu\text{g}/\text{m}^3$ for 24-hour and 16.0 $\mu\text{g}/\text{m}^3$ for annual.

XVI. Proposed Exemptions

XVI. Proposed Exemptions

PNM's RGS is not operating under or proposing any exemptions with this application.

XVII. Insignificant Activities

XVII. Insignificant Activities

PNM's RGS has identified the following emission sources as insignificant activities pursuant to the Albuquerque Environmental Health Department, Air Quality Program's List of Insignificant Activities, revised January 3, 1996.

Table 8
Reeves Generating Station
Trivial Activities

<u>Category</u>	<u>RS Source(s)</u>
Paint or non-paint materials dispensed from prepackaged aerosol cans of 16 ounce or less capacity	Aerosol cans of paint or non-paint material less than 16 ounces used at RGS.
Building and Grounds Maintenance	Pesticides used in RGS buildings or on grounds; herbicides used to control weeds.
Buildings and Grounds Maintenance	Emissions from activities including but not limited to grinding, cutting, welding, painting, woodworking (sawing, sanding etc.), building repairs and maintenance (including roofing, painting, cleaning, sweeping, vacuuming), janitorial activities (cleaning, disinfecting) and other activities associated with normal building and grounds maintenance to maintain structural integrity, employee health and safety, acceptable professional business appearance, excluding use of organic clean-up solvents.
Characterization of Waste Disposal Sites	Emissions created during drilling, sampling, or other work associated with investigation potential of soil or groundwater contamination.

XVI. Insignificant Activities

Non-anthropogenic windblown dust

Windblown dust from undisturbed areas of the RGS property is not included in the emissions inventory.

Vehicle exhaust emissions

Tailpipe exhaust emissions from trucks, automobiles, maintenance vehicles, forklifts, or other gasoline, diesel, propane or natural gas fueled vehicles operating on or entering property (employee vehicles, vendor, contractor and visitor vehicles) are not included in the emission inventory.

Engine Crankcase Vent Emissions

Crankcase emissions from the emergency generator engine lubricating system.

Natural Gas Space Heaters

Design rate less than 5 million BTU per hour for all building heaters used for personal comfort.

XVII. Insignificant Activities

Table 9
Reeves Generating Station
Size or Emission Based Insignificant Sources

S110 - Emergency Generator Fuel Tank (Located ground level, north end of power block)	VOC emission less than 1 tpy based on EPA "TANKS4.0.9d" program.
S301 – NALCO Ultramine (ULTAM120) water treatment	Emissions of 112(r) substance below 1 tpy de-minimis from mass balance.
S302 - NALCO Eliminox water treatment	Emissions of 112(b) substance below 1 tpy de-minimis from mass balance.
S303 – NALCO BT-4000 process vessel loading	PM ₁₀ emissions less than 1 tpy based on AP-42 13.2.4.
S401 - Turbine Lube Oil System Leaks	VOC emissions less than 1 ton per year. Vapor pressure of turbine lube oil less than 10 mm Hg.
S402 - Fugitive Unpaved Road Emissions	PM ₁₀ emissions less than 1 ton per year based on AP-42 Section 13.2.2.

ATTACHMENT A

Title V Operating Permit Renewal Application Forms



City of Albuquerque
Environmental Health Department
Air Quality Division
One Civic Plaza NW
3rd Floor, Room 3023
Albuquerque, New Mexico 87102
Telephone: (505) 768-1972 Fax: (505) 768-1977
20.11.42 NMAC
Operating Permit Application Form

Please answer all questions applicable to your specific business, operation and products. Use the abbreviation "N.A." for "not applicable" wherever appropriate.

SECTION 1 - GENERAL INFORMATION (20.11.42.12.A.(4) NMAC)

{Specific instructions corresponding to numbers in brackets are included in the application package.}

1. Company Name:{1} Public Service Company of New Mexico (PNM)
2. Application Date: 02/05/2021
3. Company Mailing Address: 2401 Aztec Rd. NE Albuquerque, NM 87107 4.Phone: (505) 241-2019
5. Owner's Name:{2} Claudette Horn, Senior Environmental Manager 6. Phone: (505) 241-2019
7. Owner's Address: 2401 Aztec Rd. NE Albuquerque, NM 87107
8. Plant Name:{3} {if different from 1.} Reeves Generating Station 9. Phone: (505) 241-4723
10. Plant Address:{if different from 3.} 4400 Paseo Del Norte NE, Albuquerque, NM 87109
11. Operator of Plant:{4} Heath Lee, Director Plant Management I 12. Phone: (505) 241-4723
13. Plant Operator Address: 4400 Paseo Del Norte NE, Albuquerque, NM 87109
14. Responsible Official {5}: Heath Lee 15. Phone: (505) 241-4723
16. Address of Responsible Official: 4400 Paseo Del Norte NE, Albuquerque, NM 87109
17. Person to Contact at Site {6}: Heath Lee 18. Title: Plant Manager 19. Phone: (505) 241-4723
20. Owner's Agent(s):{7} Robin DeLapp 21. Phone: (505) 241-2016
22. Company's State of Incorporation or Registration to do Business: New Mexico
23. Company's Corporate or Partnership Relationship to any other Air Quality Permittee: {8} N/A
24. Name of Parent Company: {9} PNM Resources INC.
25. Address of Parent Company: 414 Silver Avenue, Albuquerque, NM 87158
26. Names of Subsidiary Companies: {10} PNM, Texas-New Mexico Power Company (TNMP)
27. Air Quality Permits for this Source Already Received: (Permit Number(s)) OP499-M2-1AR, AR499-RN1, ATC2025-RV1
28. Other Air Quality Permits Issued to this Applicant: (Permit Number(s)) OP499, OP499-M1, OP499-M1-RV1, OP499-M2, SR2148

29. Reason this source must have a Part 42 operating permit: {11} Facility is a Title V Major Source and Title IV Acid Rain Source
30. Is U.S.G.S. quadrangular map or equivalent attached? {12} Yes
31. Ownership of land at plant site (private, State, Federal, Indian, etc.): Private
NOTE: If the land at the plant site is Indian land, contact the Air Quality Division staff for assistance.
32. Distance, in meters, of plant site to nearest residence, school or occupied structure: {13} 100 m (approximately) from nearest residence or occupied structure.
33. Location of Plant:
- 33A. City or County: Bernalillo County 33B. Direction and distance from nearest town: Within Albuquerque City Limits
- 33C. UTM Zone: 13 UTME: 354.200 km UTMN: 3,893.250 km NAD83
- 33D. Range: 3E Township: 11N Section: 23 30E. Latitude: 35°, 10', 17" N Longitude: 106°, 36', 04" W
34. Plant Elevation 5085 ft above mean sea level
35. Describe briefly type of plant and nature of processes (or modification) and products, including primary and secondary SIC codes: {14}
Electric Power Generation-SIC Code 4911. The facility consists of three natural gas-fired electric generation units. Each unit has its own furnace, boiler, turbine and generator. The unit is operated to generate electric power which is supplied to the regional grid. (NAICS 221112)
36. Describe briefly any processes or products associated with any alternative operating scenarios described in this application, including primary and secondary SIC codes {15}: N/A
37. Plant's Maximum Allowable Hourly and Annual Capacities (specify units) {16}: Hourly: Unit 1 = 539.5 Mscf Natural Gas, Unit 2 = 539.5 Mscf Natural Gas, and Unit 3 = 773.5 Mscf Natural Gas
Annual Unit 1 = 4,667.2 MMscf Natural Gas, Unit 2 = 4,667.2 MMscf Natural Gas, and Unit 3 = 6,139.2 MMscf Natural Gas
38. Permit Renewals or Significant Modifications
- 38A. Is this an application for an operating permit renewal or significant modification? Yes X No _____.
- 38B. If yes, when does the current operating permit expire? 02/08/2022
39. Is this a portable or temporary source {17}? Yes _____ No X.
- 39A. If yes, provide identifying numbers (e.g. serial numbers): N/A
- 39B. If yes, date of anticipated startup: _____ 40C. If yes, date of anticipated relocation: _____
40. Operational Periods: (20 NMAC 11.42.II.1.1.D.5.f.)
- 40A. Specify **standard** operational periods:
24 hours per day, _____ am to _____ pm, 7 days per week, 4.3 weeks per month, 12 months per year.
- 40B. Specify **maximum** operational periods:
24 hours per day, _____ am to _____ pm, 7 days per week, 4.3 weeks per month, 12 months per year.

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED (20.11.42.12.A.(4) NMAC)

(Use additional sheets if necessary)

UNIT No. {1}	EMISSIONS UNIT, PROCESS or OPERATION {2}	UNCONTROLLED AIR POLLUTANT EMISSION RATES {3}		MEASUREMENT OR ESTIMATION METHOD {6}	APPLICABLE REQUIREMENT(s) {7}
		Pollutant {4}	Quantity {5}		
S101 (SK1)	Unit 1 Boiler	NO _x	181.7 lbs/hr	Stack Testing + 1.5 Safety Factor	See Section II of the Application Package
			636.7 tpy ^{8}		
		CO	375 lbs/hr	Stack Tests + Safety Factor	
			1314 tpy ^{8}		
		PM	6.2 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			21.7 tpy ^{8}		
		PM ₁₀	6.2 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			21.7 tpy ^{8}		
		PM _{2.5}	6.2 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			21.7 tpy ^{8}		
		NMVOC	4.5 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			15.6 tpy ^{8}		
		SO _x	0.49 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			1.7 tpy ^{8}		

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED (20 NMAC 11.42.II.1.1.D.)

(Continued)

UNIT No. {1}	EMISSIONS UNIT, PROCESS or OPERATION {2}	UNCONTROLLED AIR POLLUTANT EMISSION RATES {3}		MEASUREMENT OR ESTIMATION METHOD {6}	APPLICABLE REQUIREMENT(S) {7}
		Pollutant {4}	Quantity {5}		
S102 (SK2)	Unit 2 Boiler	NO _x	165.2 lbs/hr	Stack Testing + 1.5 Safety Factor	See Section II of the Application Package
			578.9 tpy ⁽⁸⁾		
		CO	375 lbs/hr	Stack Tests + Safety Factor	
			1314 tpy ⁽⁸⁾		
		PM	6.2 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			21.7 tpy ⁽⁸⁾		
		PM ₁₀	6.2 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			21.7 tpy ⁽⁸⁾		
		PM _{2.5}	6.2 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			21.7 tpy ⁽⁸⁾		
		NMVOC	4.5 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			15.6 tpy ⁽⁸⁾		
		SO _x	0.49 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			1.7 tpy ⁽⁸⁾		

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED (20 NMAC 11.42.II.1.1.D.)

(Continued)

UNIT No. {1}	EMISSIONS UNIT, PROCESS or OPERATION {2}	UNCONTROLLED AIR POLLUTANT EMISSION RATES {3}		MEASUREMENT OR ESTIMATION METHOD {6}	APPLICABLE REQUIREMENT(S) {7}
		Pollutant {4}	Quantity {5}		
S103 (SK3)	Unit 3 Boiler	NO _x	639.0 lbs/hr	Stack Testing + 1.5 Safety Factor	See Section II of the Application Package
			2239.0 tpy ⁽⁸⁾		
		CO	275 lbs/hr	Stack Tests + Safety Factor	
			963.6 tpy ⁽⁸⁾		
		PM	8.8 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			30.8 tpy ⁽⁸⁾		
		PM ₁₀	8.8 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			30.8 tpy ⁽⁸⁾		
		PM _{2.5}	8.8 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			30.8 tpy ⁽⁸⁾		
		VOC	6.5 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			22.3 tpy ⁽⁸⁾		
		SO _x	0.7 lbs/hr	AP-42 Section 1.4 + 1.5 safety factor	
			2.5 tpy ⁽⁸⁾		

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED (20 NMAC 11.42.II.1.1.D.)

(Continued)

UNIT No. {1}	EMISSIONS UNIT, PROCESS or OPERATION {2}	UNCONTROLLED AIR POLLUTANT EMISSION RATES {3}		MEASUREMENT OR ESTIMATION METHOD {6}	APPLICABLE REQUIREMENT(S) {7}
		Pollutant {4}	Quantity {5}		
S109 (SK9)	Emergency Generator (annual emission calculated at 500 hrs/yr operation as imposed in Permit #2025-RV1 and OP #499-M2-1AR)	NMHC + NO _x	7.99 lbs/hr	NSPS IIII Tier 3	See Section II of the Application Package
			1.98 TPY		
		CO	4.33 lbs/hr	NSPS IIII Tier 3	
			1.08 TPY		
		PM	0.25 lbs/hr	NSPS IIII Tier 3	
			0.063 TPY		
		PM ₁₀	0.25 lbs/hr	NSPS IIII Tier 3	
			0.063 TPY		
		PM _{2.5}	0.25 lbs/hr	NSPS IIII Tier 3	
			0.063 TPY		
		SO ₂	0.19 lbs/hr	Mass Balance – 27.4 gal/hr, 0.05% sulfur content	
			0.048 TPY		

SECTION 2 AIR POLLUTANT EMISSIONS RATES PRIOR TO CONTROL OR ABATEMENT EQUIPMENT OR TO ATMOSPHERE IF UNCONTROLLED (20 NMAC 11.42.II.1.1.D.)

(Continued)

UNIT No. {1}	EMISSIONS UNIT, PROCESS or OPERATION {2}	UNCONTROLLED AIR POLLUTANT EMISSION RATES {3}		MEASUREMENT OR ESTIMATION METHOD {6}	APPLICABLE REQUIREMENT(S) {7}
		Pollutant {4}	Quantity {5}		
S305	Unit 1 Cooling Tower	PM	1.86 lbs/hr	NMED Policy "Calculating TSP, PM-10 and PM-2.5 from Cooling Towers" dated June 25, 2013. Annual emission rates use 80% capacity factor.	See Section II of the Application Package
			6.5 TPY ^{8}		
		PM ₁₀	0.61 lbs/hr		
			2.14 TPY ^{8}		
		PM _{2.5}	0.0036 lbs/hr		
			0.013 TPY ^{8}		
S306	Unit 2 Cooling Tower	PM	1.86 lbs/hr	NMED Policy "Calculating TSP, PM-10 and PM-2.5 from Cooling Towers" dated June 25, 2013. Annual emission rates use 80% capacity factor.	See Section II of the Application Package
			6.5 TPY ^{8}		
		PM ₁₀	0.61 lbs/hr		
			2.14 TPY ^{8}		
		PM _{2.5}	0.0036 lbs/hr		
			0.013 TPY ^{8}		
S307	Unit 3 Cooling Tower	PM	2.83 lbs/hr	NMED Policy "Calculating TSP, PM-10 and PM-2.5 from Cooling Towers" dated June 25, 2013. Annual emission rates use 80% capacity factor.	See Section II of the Application Package
			9.93 TPY ^{8}		
		PM ₁₀	0.93 lbs/hr		
			3.27 TPY ^{8}		
		PM _{2.5}	0.0055 lbs/hr		
			0.019 TPY ^{8}		

Section 2: Air Pollutant Emissions Rates Prior to Control or Abatement Equipment, or to Atmosphere if Uncontrolled

Each piece of equipment in the facility that emits air pollutants must be listed in this section. Maximum possible emissions rates **prior** to air pollution control equipment, waste abatement equipment, process control capture equipment, or to the atmosphere for uncontrolled emissions are to be provided in this section. Calculations made to determine the values shown on the form are to be shown and referenced in Package Element 6 (Emissions Calculations).

These emissions include: pollutants for which the source is major; regulated air pollutants; all fugitive emissions; and any hazardous or toxic air contaminants emitted as part of plant processes. If products or raw materials are stored and pollutants are passively released through off gassing while in storage, these pollutants must also be listed. Emissions from flares and wood waste burners should be listed in this section.

Notes

- {1} Use the process or operation equipment unit numbers that were assigned to each piece of equipment in Package Element 4A (Process Flow Sheets) above. For fugitive emissions, describe the source of the emissions. For liquid tank and solid material storage, use the tank or storage unit number.
- {2} For example: boiler, catalyst regeneration units, flare, furnace, gas engine, haul road, iron melting cupola, material dryer, process fugitive, silo, smelter furnace, solvent cleaner, storage tanks, etc.
- {3} Use one line for each pollutant emitted by each piece of equipment. Attach additional sheets if required.
- {4} List each pollutant defined by EPA to be a regulated air pollutant that this source emits. Also list all other pollutants for which this source is major. Provide trade name or common name and chemical composition if known. (E.g. particulate matter (describe composition), SO₂, CO, hydrogen sulfide, nitrogen oxides (as nitrogen dioxide), etc.)
- {5} Maximum allowable quantities at maximum allowable production rates and 8760 hours per year unless limited by federally enforceable permit conditions. See Section 1, Line 37. tn = tons (2,000 lb).
- {6} Specify how the quantity of emitted pollutant was determined: from actual measurement (specify equipment used) of emissions (preferred), process material balances, equipment manufacturer's information, EPA emission factor, or other source. Show the calculations used to obtain the emission rates in Package Element 4B (Emissions Calculations).
- {7} Specify the requirement(s) that is(are) applicable to this process, operation or emission unit. See Part 42 for list of applicable requirements. E.g. 20 NMAC 11.67.II.9; NSPS Subpart GG; 20 NMAC 11.41. If there is insufficient room on the form, please attach a clearly identified additional sheet.
- {8} NO_x, CO, SO₂, NMVOC and PM tons/yr limitation based on 80% utilization of the maximum fuel consumption for each unit.

SECTION 3 EMISSIONS FROM AIR POLLUTION CONTROL EQUIPMENT AND FROM UNCONTROLLED PROCESS EQUIPMENT
 (20.11.42.12.A.(4) NMAC)

(Use additional sheets if necessary)

Emission Unit Nos. {1}	CONTROL EQUIPMENT			AIR POLLUTANTS EMITTED {4}			CONTROL EFFICIENCY		APPLICABLE REQUIREMENTS {8}
	Unit No. {2}	Type {3}	Manufacturer and Model Number	Pollutant {5}	Quantity {6}		% by Weight	Method of Determination {7}	
					Actual	Units			
S101 (SK1)	N/A	N/A	N/A	NO _x		lb/hr	181.7	N/A	N/A
						tn/yr	636.7 ^{9}		
				CO		lb/hr	375	N/A	N/A
						tn/yr	1314 ^{9}		
				PM		lb/hr	6.2	N/A	N/A
						tn/yr	21.7 ^{9}		
				PM ₁₀		lb/hr	6.2	N/A	N/A
						tn/yr	21.7 ^{9}		
				PM _{2.5}		lb/hr	6.2	N/A	N/A
						tn/yr	21.7 ^{9}		
				NMVOC		lb/hr	4.5	N/A	N/A
						tn/yr	15.6 ^{9}		
				SO _x		lb/hr	0.49	N/A	N/A
						tn/yr	1.7 ^{9}		

See Section II of the Application Package

SECTION 3 EMISSIONS FROM AIR POLLUTION CONTROL EQUIPMENT AND FROM UNCONTROLLED PROCESS EQUIPMENT
 (20.11.42.12.A.(4) NMAC)

(Continued)

Emission Unit Nos. {1}	CONTROL EQUIPMENT			AIR POLLUTANTS EMITTED {4}			CONTROL EFFICIENCY		APPLICABLE REQUIREMENTS {8}
	Unit No. {2}	Type {3}	Manufacturer and Model No.	Pollutant {5}	Quantity {6}		% by Weight	Method of Determination {7}	
					Actual	Units			
S102 (SK2)	N/A	N/A	N/A	NO _x		lb/hr	165.2	N/A	N/A
						tn/yr	578.9 ⁽⁹⁾		
				CO		lb/hr	375	N/A	N/A
						tn/yr	1314 ⁽⁹⁾		
				PM		lb/hr	6.2	N/A	N/A
						tn/yr	21.7 ⁽⁹⁾		
				PM ₁₀		lb/hr	6.2	N/A	N/A
						tn/yr	21.7 ⁽⁹⁾		
				PM _{2.5}		lb/hr	6.2	N/A	N/A
						tn/yr	21.7 ⁽⁹⁾		
				NMVOC		lb/hr	4.5	N/A	N/A
						tn/yr	15.6 ⁽⁹⁾		
				SO _x		lb/hr	0.49	N/A	N/A
						tn/yr	1.7 ⁽⁹⁾		

See Section II of the Application Package

SECTION 3 EMISSIONS FROM AIR POLLUTION CONTROL EQUIPMENT AND FROM UNCONTROLLED PROCESS EQUIPMENT
 (20.11.42.12.A.(4) NMAC)

(Continued)

Emission Unit Nos. {1}	CONTROL EQUIPMENT			AIR POLLUTANTS EMITTED {4}			CONTROL EFFICIENCY		APPLICABLE REQUIREMENTS {8}
	Unit No. {2}	Type {3}	Manufacturer and Model No.	Pollutant {5}	Quantity {6}		% by Weight	Method of Determination {7}	
					Actual	Units			
S103 (SK3)	N/A	N/A	N/A	NO _x		lb/hr	639.0	N/A	N/A
						tn/yr	2239.0 ^{9}		
				CO		lb/hr	275	N/A	N/A
						tn/yr	963.6 ^{9}		
				PM		lb/hr	8.8	N/A	N/A
						tn/yr	30.8 ^{9}		
				PM ₁₀		lb/hr	8.8	N/A	N/A
						tn/yr	30.8 ^{9}		
				PM _{2.5}		lb/hr	8.8	N/A	N/A
						tn/yr	30.8 ^{9}		
				NMVOC		lb/hr	6.5	N/A	N/A
						tn/yr	22.3 ^{9}		
				SO _x		lb/hr	0.7	N/A	N/A
						tn/yr	2.5 ^{9}		

See Section II of the Application Package

SECTION 3 EMISSIONS FROM AIR POLLUTION CONTROL EQUIPMENT AND FROM UNCONTROLLED PROCESS EQUIPMENT
 (20.11.42.12.A.(4) NMAC)

(Continued)

Emission Unit Nos. {1}	CONTROL EQUIPMENT			AIR POLLUTANTS EMITTED {4}			CONTROL EFFICIENCY		APPLICABLE REQUIREMENTS {8}
	Unit No. {2}	Type {3}	Manufacturer and Model No.	Pollutant {5}	Quantity {6}		% by Weight	Method of Determination {7}	
					Actual	Units			
S109 (SK9)	N/A	N/A	N/A	NMHC+NO _x		lb/hr	7.99	N/A	N/A
						tn/yr	1.98 ^{10}		
				CO		lb/hr	4.33	N/A	N/A
						tn/yr	1.08 ^{10}		
				PM		lb/hr	0.25	N/A	N/A
						tn/yr	0.063 ^{10}		
				PM ₁₀		lb/hr	0.25	N/A	N/A
						tn/yr	0.063 ^{10}		
				PM _{2.5}		lb/hr	0.25	N/A	N/A
						tn/yr	0.063 ^{10}		
				SO _x		lb/hr	0.19	N/A	N/A
						tn/yr	0.048 ^{10}		

See Section II of the Application Package

SECTION 3 EMISSIONS FROM AIR POLLUTION CONTROL EQUIPMENT AND FROM UNCONTROLLED PROCESS EQUIPMENT
 (20.11.42.12.A.(4) NMAC)

(Continued)

Emission Unit Nos. {1}	CONTROL EQUIPMENT			AIR POLLUTANTS EMITTED {4}				CONTROL EFFICIENCY		APPLICABLE REQUIREMENTS {8}
	Unit No. {2}	Type {3}	Manufacturer and Model No.	Pollutant {5}	Quantity {6}			% by Weight	Method of Determination {7}	
					Actual	Units	Allowable			
S305	N/A	N/A	N/A	PM		lb/hr	1.86 lbs/hr	N/A	N/A	See Section II of the Application Package
						tn/yr	6.5 TPY ⁽⁹⁾			
				PM ₁₀		lb/hr	0.61 lbs/hr	N/A	N/A	
						tn/yr	2.14 TPY ⁽⁹⁾			
				PM _{2.5}		lb/hr	0.0036 lbs/hr	N/A	N/A	
						tn/yr	0.013 TPY ⁽⁹⁾			
S306	N/A	N/A	N/A	PM		lb/hr	1.86 lbs/hr	N/A	N/A	See Section II of the Application Package
						tn/yr	6.5 TPY ⁽⁹⁾			
				PM ₁₀		lb/hr	0.61 lbs/hr	N/A	N/A	
						tn/yr	2.14 TPY ⁽⁹⁾			
				PM _{2.5}		lb/hr	0.0036 lbs/hr	N/A	N/A	
						tn/yr	0.013 TPY ⁽⁹⁾			
S307	N/A	N/A	N/A	PM		lb/hr	2.83 lbs/hr	N/A	N/A	See Section II of the Application Package
						tn/yr	9.93 TPY ⁽⁹⁾			
				PM ₁₀		lb/hr	0.93 lbs/hr	N/A	N/A	
						tn/yr	3.27 TPY ⁽⁹⁾			
				PM _{2.5}		lb/hr	0.0055 lbs/hr	N/A	N/A	
						tn/yr	0.019 TPY ⁽⁹⁾			

Section 3: Emissions From Air Pollution Control Equipment and from Uncontrolled Process Equipment

All emissions to the atmosphere, either controlled or uncontrolled if no control exists, associated with the operation of this facility must be identified in this section. This includes fugitive process emissions, and other fugitive or indirect emissions resulting from activities of this facility, e.g. fugitive dust from haul roads. [Insignificant activities are found in Package Element 9.]

Provide emissions rates from air pollution control equipment, waste abatement equipment, process control capture equipment, and from uncontrolled processes, operations or activities. Calculations made to determine the values shown on the form are to be shown and referenced in Package Element 4B (Emissions Calculations). These emissions include: pollutants for which the source is major; regulated air pollutants; and any hazardous or toxic air contaminants emitted as part of plant processes. Emissions from flares, sulfur recovery units, VOC afterburners, and wood waste burners must also be listed.

Sufficient information must be included for the department to evaluate, and verify, the operation and stated control efficiencies of the control equipment involved. Attach additional sheets as needed to list all control equipment. Include references to process flow sheets required in Package Element 4A and attach any equipment layout and assembly drawings as necessary to describe all air pollution control equipment.

Notes:

- {1} List the emission unit numbers that feed each individual piece of control equipment. If multiple process units (with individual numbers) discharge to one control equipment unit, list all emission unit numbers that feed that control equipment unit. For liquid tank and solid material storage, use the tank or storage unit number.
- {2} Corresponding to control equipment unit numbers from Package Element 4.
- {3} Baghouse, cyclone, electrostatic precipitator, enclosures, scrubber, VOC afterburners, etc.
- {4} Emissions after gases have passed through control equipment. Use one line for each pollutant emitted. Attach additional sheets if required.
- {5} SO₂, NO_x, particulate matter, etc.
- {6} "Actual" rates are based on actual production and hours of operation. "Allowable" values are based on maximum allowable production rates. If there is no control equipment, the values in the "Allowable" column are the same as the values in the "Quantity" column in Section 2. List quantities in both pounds per hour and tons per year. Yearly values are based on 8760 hours per year unless the applicant desires to restrict hours of operation as a permit condition. If the emission rate is limited by a federally enforceable applicable requirement, then provide the value of this rate.
- {7} Field test results, manufacturer's data, etc. See note {6} from Section 2, Air Pollutant Emission Rates.
- {8} Specify the requirement(s) that apply to this control equipment unit and process.
- {9} NO_x, CO, SO₂, NMVOC, and PM tons/yr limitation based on 80% utilization of the maximum fuel consumption for each unit.
- {10} Annual tons/yr emissions based on 500 hours per year limitation for emergency generators.

SECTION 4 COMPLIANCE MONITORING DEVICES AND EQUIPMENT

(20 NMAC 11.42.11.1.1.D.)

(Use additional sheets if necessary)

Unit No. {1}	Pollutant Monitored or Measured	Type of Instrument {2}	Manufacturer and Model Number	Range {3}	Sensitivity	Accuracy	Emission Units {4}	Location of Monitor {5}
M1	Natural Gas Flow per 40CFR Part 75 Apx. D&E	Differential Pressure Transmitter & Orifice Plate per AGA 3	Yogogawa EJA110A Fluidic Techniques 12"	0-757,171 CFH	N/A	0.8407%	S101	Orifice Plate & DP cell on main gas line. Flow totalizer in Relay
M2	Natural Gas Flow per 40CFR Part 75 Apx. D&E	Differential Pressure Transmitter & Orifice Plate per AGA 3	Yogogawa EJA110A Fluidic Techniques 12"	0-757,171 CFH	N/A	0.8407%	S102	Orifice Plate & DP cell on main gas line. Flow totalizer in Relay Room
M3	Natural Gas Flow per 40CFR Part 75 Apx. D&E	Differential Pressure Transmitter & Orifice Plate per AGA 3	Yogogawa EJA110A Fluidic Techniques 12"	0-1,235,750 CFH	N/A	0.8407%	S103	Orifice Plate & DP cell on main gas line. Flow totalizer in Relay
M4	NOx	NOx CEMS Chemi-luminescence	Rosemont Model 951c	0-1,000 ppm	N/A	3.5%	S101	Unit 1 exhaust stack
M5	NOx	NOx CEMS Chemi-luminescence	Rosemont Model 951c	0-1,000 ppm	N/A	3.02%	S102	Unit 2 exhaust stack
M6	NOx	NOx CEMS Chemi-luminescence	Rosemont Model 951c	0-1,000 ppm	N/A	3.16%	S103	Unit 3 exhaust stack

SECTION 4 COMPLIANCE MONITORING DEVICES AND EQUIPMENT

(20 NMAC 11.42.11.1.1.D.)

(Continued)

Unit No. {1}	Pollutant Monitored or Measured	Type of Instrument {2}	Manufacturer and Model Number	Range {3}	Sensitivity	Accuracy	Emission Units {4}	Location of Monitor {5}
M7	O ₂	O ₂ CEMS Zirconium oxide	Thermox CEMO2ITQ	0-25%	N/A	4.3%	S101	Unit 1 exhaust stack
M8	O ₂	O ₂ CEMS Zirconium oxide	Thermox CEMO2ITQ	0-25%	N/A	5.17%	S102	Unit 2 exhaust stack
M9	O ₂	O ₂ CEMS Zirconium oxide	Thermox CEMO2ITQ	0-25%	N/A	3.72%	S103	Unit 3 exhaust stack

Section 4: Compliance Monitoring Devices and Equipment

Use this section to list all compliance monitoring devices and equipment used at the facility to verify emission rates and other permit terms and conditions. Use one line for each monitoring device and piece of equipment.

Notes:

- {1} List the unit number of the compliance monitoring device as shown in Package Element 4A (Process Flow Sheets).
- {2} State the type of the monitoring device. E.g. Ultra Violet Photometric Analyzer, NDIR Photometer, Opacity Meter, EPA Sampling Train (specify the sampling method number), etc.
- {3} 0- 1,000 ppm, 0 - 50 g/m³, 0 - 100% opacity, etc.
- {4} Provide the unit number(s) (from Package Element 4A -- Process Flow Sheets) of the emissions unit(s) being monitored by each device.
- {5} Describe the physical location of the monitoring device and the recording device. E.g. Monitor is located in ductwork 50' upstream from stack. Recorder is located in operating control room.

SECTION 5 FUELS AND FUEL USAGE

(20.11.42.12.A.(4) NMAC)

Unit No. {1}	Type of Equipment {2}	Equipment Manufacturer	Rated Capacity {3}	FUEL DATA {4}				
				Fuel Type {5}	Amount Per Year {6}	Heating Value (State Units) {7}	Percent Sulfur {8}	Percent Ash {9}
S101	Steam Boiler	Babcock & Wilcox Serial # 20132	Nameplate 44 MW Maximum 51 MW	Natural Gas	4,667.2 E06 Cubic Feet	1020 Btu/CF	0.5 grains per 100 SCF	0.0
S102	Steam Boiler	Babcock & Wilcox Serial # NSB19922	Nameplate 44 MW Maximum 51 MW	Natural Gas	4,667.2 E06 Cubic Feet	1020 Btu/CF	0.5 grains per 100 SCF	0.0
S103	Steam Boiler	Babcock & Wilcox Serial # 20666	Nameplate 66 MW Maximum 78 MW	Natural Gas	6,139.2 E06 Cubic Feet	1020 Btu/CF	0.5 grains per 100 SCF	0.0
S109	Emergency Generator	Cummins Serial # 32065523	755 HP	No. 2 Diesel	13,700 Gallons/Year	129,000 Btu/Gallon	0.05	0.0

^a Annual fuel usage is estimated based on AP-42, manufacturer data, or maximum operating data. The annual fuel use is not a permit limit for any of the units listed in this table.

^b Percent sulfur from permit applications. For diesel engines less than 600 hp, the assumed percent sulfur is not explicitly stated in EPA AP-42 Section 3.3.

Section 5: Fuels and Fuel Usage

This section provides information on all the fuel usage for all process equipment at the facility. Flares and waste burners are not listed here unless supplemental fuel is used to sustain combustion. In that case, only the supplemental or auxiliary fuel data is given here.

A material balance for combustion within the plant is required to complete this Section and should be attached to this Section. Show calculations in Package Element 4B.

Only equipment that uses fuel is listed in this section.

Notes:

- {1} Corresponding to emissions, process, or operational unit numbers as shown in Package Element 4A (Process Flow Sheets).
- {2} State the type of equipment. E.g. Boiler, diesel engine, furnace, gas engine, gas turbine, oven, space heater, etc.
- {3} Provide the maximum nameplate rate and the normal rate, if these rates are different, e.g. million btu/hr, HP etc. If these rates have been adjusted for altitude, this should be noted on the form. Ask the Division's Engineering staff for derating procedures.
- {4} If auxiliary fuel or different fuel is used "on standby", the data for that fuel must also be provided.
- {5} E.g. Natural gas; LPG; No. 1, 2, 4, or 6 fuel oil; refinery gas; coal; wood; etc.
- {6} Use the following units depending on the fuel type: Million cubic feet of gas; gallons of fuel oil; pounds of LPG; etc. State what units you are using.
- {7} Use the following units depending on the fuel type: Btu/thousand ft³ for gas, Btu/lb for solid fuel, or Btu/gallon for liquid fuel.
- {8} State both average percentage by weight and maximum percentage by weight. Sulfur content is not required if sweet pipeline quality natural gas is used as the fuel. Specify in "fuel type" that sweet pipeline quality gas is used and state specification under "sulfur". Provide fuel supplier specifications for sulfur content.
- {9} State both average percentage by weight and maximum percentage by weight. Ash content is not required if sweet pipeline quality natural gas is used as the fuel.

SECTION 6A RAW MATERIALS PROCESSED
 (20.11.42.12.A.(4) NMAC)

(Use additional sheets if necessary)

Unit No. {1}	Material {2a}	Composition {3}	Condition {4}	Quantity Used {5} (Specify Units)
S101	Pipeline Quality Natural Gas	0.5 grains sulfur/100 SCF maximum	N/A	4,667.2 MMscf/yr
S102	Pipeline Quality Natural Gas	0.5 grains sulfur/100 SCF maximum	N/A	4,667.2 MMscf/yr
S103	Pipeline Quality Natural Gas	0.5 grains sulfur/100 SCF maximum	N/A	6,139.2 MMscf/yr
S109	No. 2 Diesel	0.05% sulfur maximum	N/A	13,700 gallon/yr

SECTION 6B MATERIALS PRODUCED (DO NOT INCLUDE EMISSIONS AND WASTE PRODUCTS LISTED IN SECTIONS 2, 3, & 10)
 (20.11.42.12.A.(4)(e)(iv) NMAC)

Unit No. {1}	Material {2b}	Composition {3}	Condition {4}	Production Rates {5} (Specify Units)
N/A				

Sections 6A and 6B: Raw Materials Processed and Materials Produced

This section addresses any feedstocks or raw materials used in the plant process, and materials or products (not including solid or liquid waste products) that are generated. As an example, sour natural gas is the raw material and sweet pipeline quality gas and natural gas liquids are the products. This section quantifies a portion of the facility material balance. Some unit numbers will correspond to process equipment, as for example where a stream is "refined", such as sour gas to sweet gas, or rock crushing with rock aggregate feed and various products are produced in stages (crushers, screens).

Calculations made to determine the values shown on the form are to be shown and referenced in Package Element 4B (Emissions Calculations).

Notes: (These apply to both 6A and 6B)

- {1} Corresponding to emissions, process or operational unit numbers as shown in Package Element 4A (Process Flow Sheets).
- {2a} What is the raw material -- for example: crude oil, sour gas, raw ore.
- {2b} What is the finished product -- for example: gasoline, diesel fuel, sweet gas.
- {3} List each major component with weight percentages and chemical compositions (if known), or attach separate analysis sheet.
- {4} Provide typical particle size distribution for aggregates, pumice dust, etc. and average moisture content if known.
- {5} Barrels per day, thousands of standard cubic feet per day, tons per hour, etc. Reference process flow sheets required in Package Element 4A, including material balances.

SECTION 7 STACK PARAMETERS
(20.11.42.12.A.(4) NMAC)

(Use additional sheets if necessary)

Stack No. {1}	Emission Unit Nos. {2}	Stack Height ft. {3}	Inside Stack Exit Diameter ft {4}	EXIT GAS CONDITIONS {5}			SAMPLING PORTS		
				Temp. EF	Velocity ft/sec {6}	Moisture % by Vol	Number	Size	Location {7}
SK1	S101	118.4	9	284	49.4	16.0	4 @ 90 degrees	4"	83' 9" above grade
SK2	S102	118.4	9	260	49.7	15.1	4 @ 90 degrees	4"	83' 9" above grade
SK3	S103	118.4	10	225	56.4	15.3	4 @ 90 degrees	4"	99' 5" above grade
SK9	S109	9.0	0.5	810	221.5	N/A	N/A	N/A	N/A

Section 7: Stack Parameters

This section is used to describe the release points of all emissions associated with the facility. This includes actual stacks as well as the release point information in cases where there is no stack, such as where fugitive releases occur.

This information is required for EPA's Aerometric Information Retrieval System database and also for air dispersion modeling that may be required for either this source or another source.

Notes:

- {1} Use stack numbers from Package Element 4A (Process Flow Sheets). If there is a release point with no stack, state the location of the release point.
- {2} If one stack serves multiple processes, operations, or emissions units, provide unit numbers for all emissions units discharging to this stack.
- {3} Height above ground of the stack exit or release point.
- {4} If stack is circular, give inside diameter at exit point. If stack is not circular, provide actual exit dimensions. If stack exit is not pointed up, give direction that stack points. State whether rain cap is used.
- {5} If conditions are not measured at actual stack exit, specify location at which measurements are made.
- {6} Show calculations in sufficient detail to allow permit engineer to verify actual velocity values. These calculations should be shown in Package Element 4B and clearly identified.
- {7} Provide the physical location(s) of the sampling ports. For example: 2 ports at 90 degrees, 25 ft. from top of stack.

SECTION 8A LIQUID STORAGE TANKS - MATERIAL DATA
 (20.11.42.12.A.(4) NMAC)

(Use additional sheets if necessary)

Tank No. {1}	Material Name {2}	Composition {3}	Liquid Density (lb/gal)	Vapor Molecular Weight (lb/lb-mol)	Average Storage Temp., T _{av} (EF)	True Vapor Pressure at T _{av} (psia)	Maximum Storage Temp., T _{max} (EF)	True Vapor Pressure at T _{max} (psia)
N/A								

Section 8A: Liquid Storage Tanks - Material Data

This section is used to describe any liquid materials that are stored at the plant and are potential sources of gaseous emissions. This includes raw feedstocks, and intermediate and final product storage. If your plant has no tanks which store volatile organic compounds, or other toxic or hazardous materials, write "NA" on the top of the form.

This information is requested for the calculation and characterization of fugitive emissions. EPA's reference AP-42 Section 12 lists reference data for liquid storage tanks.

The emissions data for the tanks should be provided in Sections 2 and 3 of this application form.

Notes:

- {1} The tank numbers are to be assigned by the applicant. Use a unique tank number for each tank. These are the same numbers as are used in Package Element 4A (Process Flow Sheets) to identify each tank.
- {2} Give the trade name or commonly used name for the liquid stored in the tanks. E.g. Stoddard Solvent, fuel oil, etc.
- {3} Identify each major component (including sulfur) and give its weight percent. If space is insufficient, attach analysis sheet. The material name and tank number should be clearly identified on any attachments.

SECTION 8B LIQUID STORAGE TANKS - TANK DATA
 (20.11.42.12.A.(4) NMAC)

(Use additional sheets if necessary)

Tank No. {1}	Date Installed/ Modified {2}	Material(s) Stored {3}	Roof Type {4}	Seal Type {5}	Capacity (gal)	Diameter (ft)	Vapor Space Height (ft) {6}	Roof/ Shell Color {7}	Paint Cond. {8}	Annual Throughput (gal/yr) {9}	Turnovers per Year {10}
N/A											

Section 8B: Liquid Storage Tanks - Tank Data

Notes:

- {1} Use tank number(s) from Section 8A.
- {2} Date (mo./yr.) tank was originally installed or constructed. If the tank was later modified or reconstructed, provide the date this work was completed and attach a separate description of the modifications or reconstruction.
- {3} If the tank is used to store more than one material, use a separate line for each material and provide all the requested data for each material.
- {4} Use the following abbreviations: Fixed roof - FX, Internal Floating Roof - IF, External Floating Roof - EF, Pressure - P.
- {5} Select the appropriate number and letter from the following list that describes the tank and seal type (e.g. "2b" indicates welded tank, liquid mounted resilient seal with weather shield):
NOTE: For pressure tanks, enter control pressure (psia).

WELDED TANK SEALS

- | | | |
|---------------------------|-----------------------------|----------------------------|
| 1. Mechanical shoe | 2. Liquid mounted resilient | 3. Vapor mounted resilient |
| a. Primary only | a. Primary only | a. Primary only |
| b. Shoe mounted secondary | b. Weather shield | b. Weather shield |
| c. Rim mounted secondary | c. Rim mounted secondary | c. Rim mounted secondary |

RIVETED TANK

- 4. Mechanical shoe seal
 - a. Primary only
 - b. Shoe mounted secondary
 - c. Rim mounted secondary
- {6} This applies to fixed roof tanks **only**. Give the average distance from liquid surface to tank roof. For all other tanks, write "N.A."
- {7} Use the following abbreviations: White - WH, Aluminum (specular) - AS, Aluminum (diffuse) - AD, Light Gray - LG, Medium Gray - MG, Black - BL, Other - OT.
- {8} Describe the condition of the paint on the tank as either: Good or Poor.
- {9} Enter throughput, in gallons/year, of each material that is stored in the tank.
- {10} Turnover = annual throughput (gal) / tank capacity (gal).

SECTION 9A SOLID MATERIAL STORAGE - MATERIAL DATA – Not Applicable
 (20.11.42.12.A.(4) NMAC)

(Use additional sheets if necessary)

Storage Unit No. {1}	Material Name	Emissions Unit, Process or Operation Served {2}	Storage Type {3}	Composition {4}	Date Installed or Modified (Mo./Yr)
N/A					

Section 9A: Solid Material Storage - Material Data

This section is used to describe any solid stored materials used in the plant process which are potential sources of particulate matter. This includes raw feedstocks, intermediate and final product storage. If there is no solid material storage at the plant, write "NA" at the top of the form.

Emissions data for solid material that is stored on the plant site should be provided in Sections 2 and 3.

Notes:

- {1} Individual storage unit numbers are assigned by the applicant in Package Element 4A (Process Flow Sheets). These same unit numbers are used in this Section and in Sections 2 and 3 to identify the storage units.
- {2} State which process, operation or emissions unit is served and whether transfer equipment is used. E.g. open feed conveyor.
- {3} Examples of storage type: silo, open pile, shed, enclosed building, enclosed weigh bin or surge bin.
- {4} Give the chemical composition of the material being stored. If space is insufficient, attach analysis sheet. The material name and storage unit number should be identified clearly in any attachments.

SECTION 9B SOLID MATERIAL STORAGE - STORAGE DATA
 (20.11.42.12.A.(4) NMAC)

(Use additional sheets if necessary)

Storage Unit No. {1}	Transfer or Transport Method {2}		Maximum Hourly Throughput (specify units)	Annual Throughput (specify units)	Dust Control Method (Storage or Transfer) {3}
	Incoming	Outgoing			
N/A					

Section 9B: Solid Material Storage - Storage Data

This section is used to specify the amounts and methods of solid material transfer in the facility process or operation.

Notes:

- {1} Use the same storage unit numbers as in Section 9A.
- {2} Examples of transfer or transport method:
Incoming: how material is loaded into the storage unit, e.g. truck, rail car, front end loader, etc.

Outgoing: how material is moved from the storage area to the process area, e.g. closed pneumatic feed, closed gravity feed, open gravity feed, enclosed screw conveyor, front end loader, open or enclosed belt conveyor, truck.
- {3} State what kind of dust control methods are used in the storage or transfer of material. E.g. silo bin filters, telescoping stacker chutes, enclosures, dust pickup to baghouse, etc. If the storage unit is equipped with a stack, provide the stack parameters in Section 7 (Stack Parameters).

SECTION 10 WASTE PRODUCT DISPOSAL (SOLID AND LIQUID WASTES THAT DO NOT RESULT IN AIR EMISSIONS)
 (20.11.42.12.A.(4) NMAC)

(Use additional sheets if necessary)

Equipment Unit No. {1}	WASTE MATERIAL		METHOD OF DISPOSAL {4}
	Type {2}	Amount {3}	
	Domestic Garbage	/hr	City Sanitation Department
		/yr	
S101, S102, S103	Boiler Water Blowdown	/hr	Evaporation Ponds
		/yr	
S305, S306, S307	Cooling Tower Blowdown	/hr	Municipal Sewer
		/yr	
		/hr	
		/yr	
		/hr	
		/yr	
		/hr	
		/yr	

Section 10: Waste Product Disposal

Use this section to describe solid and liquid waste product disposal. Any waste product disposal that results in emissions of air pollutants, such as flares or wood waste burners, should be listed and characterized in Sections 2 and 3 of this application form.

This form is designed to complete the material and mass balances of the applicant's operation. It is not part of the part of the air emissions characterization.

Be aware that incineration of waste materials is regulated and 20.11.68 NMAC or 20.11.69 NMAC may apply.

Notes:

- {1} Give the control equipment or process unit numbers from Sections 2 through 9 that produce solid or liquid waste products which are then disposed of.
- {2} For example: Waste paper, wood chips, rubbish, garbage, acids, oils, fly ash, tailings, sulfur, etc.
- {3} Provide the quantity of waste product generated in terms of pounds, tons, or gallons per hour and per year. Specify units used.
- {4} For example: Sanitary landfill, waste pickup, sewage treatment plant, etc.

SECTION 11 CERTIFICATION -- (20.11.42.12.A.(5) NMAC)

I, Heath Lee, hereby certify that the information and data submitted in this application package are as complete, true and accurate as possible, to the best of my personal knowledge and professional expertise and experience.

Signed this 27th day of January, 2021, upon my oath of affirmation, before a notary of the State of New Mexico


SIGNATURE (Responsible Official)

January 27, 2021
DATE

Heath Lee
PRINTED NAME

Director, Plant Management I
TITLE

Subscribed and sworn to before me on this 27th day of January, 2021.

My authorization as a Notary of the State of NM expires on the 25th day of January, 20 23.


NOTARY'S SIGNATURE

January 27, 2021
DATE

Jasmin De La Rosa
NOTARY'S PRINTED NAME

ATTACHMENT B

Acid Rain Phase II Permit Renewal Application Forms

**CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT
AIR QUALITY DIVISION
ACID RAIN PROGRAM
PHASE II PERMIT APPLICATION**

For more information, see instructions and refer to 20.11.62 NMAC and 40 CFR Part 72

This submission is: **New** **Revised** **Renewal**

STEP 1: Identify the source by plant name, State and ORIS code from NADB

Plant Name	State	ORIS Code
Reeves Generating Station	NM	2450

STEP 2: Enter the boiler ID# from NADB for each affected unit, and indicate whether a re-powering plan is being submitted for the unit by entering “yes or “no” at column c. For new units, enter the requested information in columns d and e.

COMPLIANCE PLAN

COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E
BOILER ID #	Unit will hold Allowances in Accordance with 40 CFR Part 73	Re-powering Plan	New Units/ Commence Operation Date	New Units/Monitor Certification Deadline
1	YES	NO		
2	YES	NO		
3	YES	NO		

STEP 3: Check the box if the response in column c of Step 2 is Yes for any unit.

For each unit that will be re-powered, the Repowering Extension Plan Form is included and Repowering Technology Petition form has been submitted.

PLANT NAME: Reeves Generating Station

STEP 4: Read the standard requirements and certification, enter the name of the designated representative, sign and date

Standard Requirements (20.11.62.12.D NMAC)

Permit Requirements

1. The designated representative of each affected source and each affected unit at the source shall:
 - a. Submit a complete Acid Rain permit application under this part in accordance with the deadlines specified in 20.11.62.14.A NMAC;
 - b. Submit in a timely manner any supplemental information that the Department determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit.
2. The owners and operators of each affected source and each affected unit at the source shall:
 - a. Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the Department; and
 - b. Have an Acid Rain Permit.

Monitoring Requirements

1. The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR Part 75 and 76.
2. The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and 76 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
3. The requirements of 40 CFR Part 75 and 76 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

1. The owners and operators of each source and each affected unit at the source shall:
 - a. Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
 - b. Comply with the applicable Acid Rain emissions limitation for sulfur dioxide.
2. Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
3. An affected unit shall be subject to the requirements 20.11.62.12.(3) NMAC as follows:

PLANT NAME: Reeves Generating Station

- a. Starting January 1, 2000, an affected unit under 20.11.62.12.A.(1)(b) NMAC; or
- b. Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 20.11.62.12.A.(1)(c) NMAC.

4. Allowances shall be held in, deducted from, or transferred among ATS accounts in accordance with the Acid Rain Program.

5. An allowance shall not be deducted, in order to comply with the requirements under 20.11.62.12.(3) NMAC, prior to the calendar year for which the allowance was allocated.

6. An allowance allocated by the EPA under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 20.11.62.12.B NMAC and 20.11.62.12.C NMAC and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

7. An allowance allocated by the EPA under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

1. The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

1. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
2. The owners and operators of an affected unit that has excess emissions in any calendar year shall:
 - a. Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - b. Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Record Keeping and Reporting Requirements.

1. Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the EPA or Department.

- a. The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.

- b. All emissions monitoring information, in accordance with 40 CFR Part 75.

PLANT NAME: Reeves Generating Station

- c. Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.
- d. Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

2. The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 20.11.62.19 NMAC and 40 CFR Part 75.

Liability

1. Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or a written exemption under 20.11.62.12.B NMAC or 20.11.62.12.C NMAC, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement by the EPA pursuant to Section 113(c) of the Act and by the Department pursuant to ROA 1994 § 9-5-1-99(B)(1).
2. Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement by the EPA pursuant to Section 113(c) of the Act and 18 U.S.C. 1001 and by the Department pursuant to ROA 1994 § 9-5-1-99(B)(2).
3. No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
4. Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
5. Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
6. Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 20.11.62.15.B NMAC (Phase II repowering extension plans), 40 CFR Part 76, and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
7. Each violation of a provision of this Part and 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities

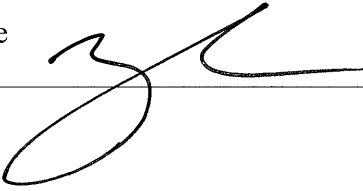
No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or a written exemption under 20.11.62.12.B NMAC or 20.11.62.12.C NMAC shall be construed as:

PLANT NAME: Reeves Generating Station

1. Except as expressly provided in Title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of Title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
2. Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
3. Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
4. Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or
5. Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name: Heath Lee	
Signature 	Date: January 27, 2021

STEP 3 (optional)
Enter the source AIRS
and FINDS identification
numbers, if known

AIRS # NM/001/00011 (from AR499-RN1)
FINDS