

## Acid Rain Permit Statement of Basis

**COMPANY:** Public Service Company of New Mexico  
**FACILITY:** Rio Bravo Generating Station  
**PERMIT NO.:** AR2093-RN3  
**CDS No.:** NM/001/00368  
**PERMIT WRITER:** Michael McKinstry

<b>Permit Review</b>	<b>Internal Permit Review*:</b> AL	<b>Date to Public Notice:</b> N/A
	<b>Compliance/Enforcement Review*:</b> N/A	<b>Date to EPA:</b> Permit issued-
	<b>Applicant/External Review*:</b> N/A	<b>Public Comments Rec'd:</b> N/A
		<b>EPA Comments Rec'd:</b> N/A
	<b>Date for Final (Asst Director/Manager) Signature:</b> XXXX XX, XXXX	

\*Initial and Date

**1.0 Legal Basis:**

The Albuquerque Environmental Health Department (Department) and the Albuquerque/Bernalillo County Air Quality Control Board (A/BCAQCB); pursuant to the Federal Clean Air Act (CAA, also known herein as the Federal Act); the New Mexico Air Quality Control Act, NMSA 1978, as amended 74-2-4, 74-2-5.C; the Joint Air Quality Control Board Ordinance, Revised Ordinances of Albuquerque 1994, 9-5-1-4; the Joint air quality Control Board Ordinance, Bernalillo County Ordinance 94-5; A/BCAQCB Regulation Title 20, New Mexico Administrative Code (NMAC), Chapter 11 (20.11 NMAC), chapter 11, Part 62 (20.11.62 NMAC), Acid Rain.

**2.0 Plant Process Description:**

This facility is an electric generating plant. The facility generates electricity (SIC Code 4911, NAICS 221112) with a nominal 150 MW, GE7FA simple-cycle combustion turbine powered primarily with pipeline quality natural gas and with low-sulfur #2 fuel oil as the secondary fuel. Emissions controls on the turbine include dry low-NOx burners for natural gas and water injection for #2 fuel oil combustion. Annual hours of operation limit on each fuel type are 7,320 hours per year for natural gas and 1,440 hours per year for #2 fuel oil. Auxiliary equipment includes a diesel-powered fire pump engine, one aboveground storage tank for fuel oil, water storage tanks, electrically driven fuel gas compressors, and a control house/maintenance building.

The turbine began commercial operation in July 2000. The turbine is referred to as Emission Unit #1 in the Title V Operating Permit and as GT-1 in the Acid Rain Permit. Emission Unit #1 was originally classified under the federal Acid Rain Program as a peak load turbine; however, due to power deficiencies in California, this unit exceeded one-year operating limitations as a peak load unit according to Acid Rain Regulation, 40 CFR 75.12(d)(2), in its first year of commercial operation. Emission Unit #1 was allowed to operate 8,760 hours per year with **no** designation as either a peaking unit or a base load unit. Emission Unit #1 was reclassified under the federal Acid Rain Program as a base load unit, and Continuous Emissions Monitors (CEMS) were installed by January 1, 2002.

**3.0 Description of this Permit Action:**

The Acid Rain Permit Renewal application was received on March 9, 2025. The Operating Permit Renewal application was received on May 9, 2025. The Acid Rain permit and Operating Permit will now be issued concurrently. Therefore, the date of expiration of this Acid Rain Permit AR2093-RN3 shall be concurrent with the Operating Permit 2093-RN3 issued on **May XX, XXXX** and expiring on **May XX, XXXX**. The current Operating Permit is 2093-RN2-1AR; however, since the Operating Permit was issued on **May XX, XXXX** as the third renewal, the Title V Operating Permit with the Acid Rain Permit (AR2093-RN3) will now be known as **2093-RN3**.

**4.0 Acid Rain Sulfur Dioxide (SO<sub>2</sub>) Allowances and Nitrogen Oxide (NO<sub>x</sub>) requirements:** The allowances specified in the tables below are for SO<sub>2</sub> only. The Facility uses Continuous Emission Monitoring Systems (CEMS) to record nitrogen oxide (NO<sub>x</sub>) emissions on a continuous basis to ensure compliance with the limit of 0.3 lb NO<sub>x</sub>/MMBtu and other applicable requirements under the Acid Rain program. For previous historical records, which include older boilers that were removed from the Facility, refer to the SOB AR2093-RN1.

**Permit Number:** AR2093-RV1  
**Issue Date:** 4/24/2015  
**Action Type:** Part 62 NMAC, Administrative Amendment  
**Description of Action:** Change of Ownership to Public Service Company of New Mexico. Acid Rain Phase II Allowance Allocations were specified in the permit as shown below:

**Acid Rain Phase II Allowance Allocations (40 CFR 73.10)**

State	Plant Name	Boiler	Year 2010 and beyond	
			(E)	(F) <sup>2</sup>
New Mexico	Rio Bravo Generating Station	GT-1	0	0

<sup>2</sup> Column (F) is calculated as follows: Adjusted basic allowances for 2010 (not shown) – Column (E) + Additional basic (section 405(a)(3)) (not shown)

**Permit Number:** AR2093-RN1  
**Issue Date:** 9/28/2018  
**Action Type:** Part 62 NMAC, Acid Rain Renewal  
**Description of Action:** Acid Rain Phase II Allowance Allocations were specified in the permit as shown below:

**Acid Rain Phase II Allowance Allocations (40 CFR 73.10)**

State	Plant Name	Boiler	Year 2010 and beyond	
			(E)	(F) <sup>2</sup>
New Mexico	Rio Bravo Generating Station	GT-1	0	0

<sup>2</sup> Column (F) is calculated as follows: Adjusted basic allowances for 2010 (not shown) – Column (E) + Additional basic (section 405(a)(3)) (not shown)

**Permit Number:** AR2093-RN2  
**Issue Date:** 9/29/2023  
**Action Type:** Part 62 NMAC, Acid Rain Renewal  
**Description of Action:** Acid Rain Phase II Allowance Allocations were specified in the permit as shown below:

**Acid Rain Phase II Allowance Allocations (40 CFR 73.10)**

State	Plant Name	Boiler	Year 2010 and beyond	
			(E)	(F) <sup>2</sup>
New Mexico	Rio Bravo Generating Station	GT-1	0	0

<sup>2</sup> Column (F) is calculated as follows: Adjusted basic allowances for 2010 (not shown) – Column (E) + Additional basic (section 405(a)(3)) (not shown)

**Permit Number:** AR2093-RN3  
**Issue Date:** XX/XX/2026  
**Action Type:** Part 62 NMAC, Acid Rain Renewal  
**Description of Action:** Acid Rain Phase II Allowance Allocations were specified in the permit as shown below:

**Acid Rain Phase II Allowance Allocations (40 CFR 73.10)**

State	Plant Name	Boiler	Year 2010 and beyond	
			(E)	(F) <sup>2</sup>
New Mexico	Rio Bravo Generating Station	GT-1	0	0

<sup>2</sup> Column (F) is calculated as follows: Adjusted basic allowances for 2010 (not shown) – Column (E) + Additional basic (section 405(a)(3)) (not shown)

**5.0 Public Response/Concerns:**

This permit is a Renewal and there will be a Public Comment period.

**6.0 EPA Region VI. Response/Concerns:**

This permit is a Renewal to the Title V Operating Permit there will be an EPA Comment period. Also, the EPA Region 6 will be emailed a copy of the permit AR2093-RN3 and this SOB.

**7.0 Compliance Testing:**

Date of Compliance Test	Regulatory Requirement	Description of Compliance Test or Report	Units Tested
8/20/2025	40 CFR 75	RATA to certify compliance with O <sub>2</sub> and NO <sub>x</sub> CEMS and CO emission limits	GT-1
7/14/2026	40 CFR 75	RATA Test Protocol-test pending	GT-1
7/29/2026	20.11.42.12.C.5c. NMAC	Annual Compliance Certification	Facility

- Note – all RATA tests and reports are available in the Department database. The Facility is in compliance with testing and reporting requirements.

Public Service Company of New Mexico has certified compliance with all applicable requirements including compliance with the Acid Rain program. These applicable acid rain requirements include 40 CFR 72, 40 CFR 73, 40 CFR 75, 40 CFR 77, and 40 CFR 78. Pursuant to 20.11.62.17.C. NMAC, Acid Rain permit #AR2093-RN3 is issued as a renewal, as an Administrative Amendment to 2093-RN3(now known as 2093-RN2-1AR), based on the administrative record that includes the Acid Rain application, Department inspections, annual compliance certifications of Title V Operating Permit 2093-RN2-1AR, and the current compliance status of the Facility specified on the Compliance Status Verification form.

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