

Table 2. Federal Rules

Reference	Condition	Location in Title V Permit
Boiler MACT Rule		
	The following emissions limits must be met at all times, excluding startup and shutdown periods:	
§ 63.7500 Emission Limitations, Work Practice Standards, and Operating Limits, § 63.7575 Table 2, Emission Limits for Existing Boilers, Cond. 1a	HCl: 2.2E-02 lb/MMBtu heat input, or 2.5E-02 lb/MMBtu steam production, or 0.27 lb/MWh	Added at 2.1.1.4
§ 63.7500 Emission Limitations, Work Practice Standards, and Operating Limits, § 63.7575 Table 2, Emission Limits for Existing Boilers, Cond. 1b	Hg: 5.7E-06 lb/MMBtu heat input, or 6.4E-06 lb/MMBtu steam production, or 7.3E-05 lb/MWh	
§ 63.7500 Emission Limitations, Work Practice Standards, and Operating Limits, § 63.7575 Table 2, Emission Limits for Existing Boilers, Cond. 9a	CO: 310 ppmvd @ 3% oxygen on a 30 day rolling average basis	
§ 63.7500 Emission Limitations, Work Practice Standards, and Operating Limits, § 63.7575 Table 2, Emission Limits for Existing Boilers Cond. 9b	Front Half Probe Wash Filterable PM: 1.1E-01 lb/MMBtu heat input	
§ 63.7510 Initial Compliance Date and Requirements, § 63.7575 Table 8, Demonstrating Continuous Compliance, Cond. 1c	Opacity: 10% on a daily block average	
§ 63.7515 (a), (b) When to conduct testing.	Conduct annual performance testing to meet filterable PM, HCl, and Hg emission limits. Testing must be completed no more than 13 months after the previous test. Performance testing may be conducted every 37 months for a given pollutant if, for at least 2 consecutive annual tests, emissions are less than 75% of the limit.	Added at 5.4.4.1
§ 63.7520 (c) Stack test procedures.	Performance testing must be conducted under representative conditions while burning fuels that have the highest content of chlorine and mercury.	Added at 5.4.4.2
§ 63.7500 Emission Limitations, Work Practice Standards, and Operating Limits, § 63.7575 Table 4, Operating Limits for Boilers, Cond. 8	Steam production rate, on a 30 day rolling average, must not exceed 110 percent of the highest one hour average recorded during the most recent performance test.	Added at 2.2.1.1
§ 63.7500 Emission Limitations, Work Practice Standards, and Operating Limits, § 63.7575 Table 3, Work Practice Standards, Cond. 4a-h	A one-time energy assessment must be completed that meets the requirements of §63 Subpart DDDDD.	Added at 2.4
§ 63.7575 Table 9, Reporting Requirements, Cond. 1a	Reports will be submitted with information required in 40 CFR Part 63, subpart DDDDD (including §63.7550(c)(1) through (5))	Added at 5.1.3.1
§ 63.7500 Emission Limitations, Work Practice Standards, and Operating Limits, § 63.7575 Table 3, Work Practice Standards, Conditions 5 - 6	Only natural gas will be used during boiler startup and shutdown.	Exists at 2.3.2
§ 63.7500 Emission Limitations, Work Practice Standards, and Operating Limits, § 63.7575 Table 3, Work Practice Standards, Conditions 5 - 6	All monitoring data and records must be kept during startup and shutdown, including the duration of startup and shutdown.	Added at 5.1.1.1
40 CFR Part 63 Subpart DDDDD	Rio Bravo shall comply with the requirements of 40 CFR Part 63 subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources, Industrial, Commercial, and Institutional Boilers and Process Heaters.	Added at 3.13.4

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Compliance Assurance Monitoring Plan		
Rule 501, General Permit Requirements § 405, § 303 [amended 11/03/94]; HSC § 42301	All three fields of the electrostatic precipitator shall normally be operating whenever the boiler is fired. In the event of a failure of one of the fields, Rio Bravo shall notify the Air Pollution Control Officer within 24-hours and initiate repairs.	Added at 2.3.4.1
40 CFR § 70.6(c)(5)(iii)(C); 40 CFR 64	For each electrostatic precipitator field, secondary voltage and secondary current shall be monitored on a continuous basis. For secondary voltage, secondary current, and secondary output power (determined as the product of the secondary voltage and secondary current), for each field, one hour block averages and six minute block averages shall be calculated and electronically recorded.	Added at 2.3.4.2
40 CFR § 70.6(c)(5)(iii)(C); 40 CFR 64	Alarms shall be programmed into the boiler control room to alert the boiler operator when an electrostatic precipitator excursion has occurred. An electrostatic precipitator excursion occurs when the electrostatic precipitator total secondary output power, determined as the sum of the secondary output power of each field, on a one hour block average basis, falls below <u> </u> kW.	Added at 2.3.4.3
40 CFR § 70.6(c)(5)(iii)(C); 40 CFR 64	When an electrostatic precipitator excursion is detected, the boiler operator shall immediately initiate corrective action, including inspection of the electrostatic precipitator within 4 hours of detection, and needed repairs made as soon as practicable. The excursion shall be documented, and reported to the District within 2 hours of detection and following the provisions of District Rule 404.	Added at 2.3.4.4