

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
RIOB-90-01 9/25/2013	Equip. 1	Truck Dump (2), Receiving Hoppers - HF-101A & HF-101B, Truck Dump Hydraulic Pumps - HD-101A1; A2; B1; B2, Water Sprays - 24 per hopper (16 min. operational; optional), Drive Rating - 436 HP & 8 water sprays per hopper (as needed), Drop Chute to CV-103 (2).	N	Exists at 1.B.1. Table b. Truck Dump. Powered by 2 electric hydraulic pumps.
RIOB-90-01 9/25/2013	Equip. 2	Connecting Belt Conveyor CV-103, Dimensions - 72' x 48", Drive Rating - 15 HP.	N	Exists at 1.B.1. Table b. Conveyors. Misc. dimensions, 7.5 to 30 hp electrically powered.
RIOB-90-01 9/25/2013	Equip. 3	Magnet MG-103, Dimensions - 68" x 24" x 42", Drive Rating - 3 HP.	N	Exists at 1.B.1. Table b. Screens. Magnet and fuel screens; 1.5 to 10 hp
RIOB-90-01 9/25/2013	Equip. 4	Covered Stationary Stacker Belt Conveyor CV-104, Dimensions - 235 ft. x 48 in., , Water Sprays - 8 at drop point, Fluted Dropchute, Drive Rating - 30 HP	N	Exists at 1.B.1 Table b. Conveyors. Misc. dimensions, 7.5 to 30 hp electrically powered.
RIOB-90-01 9/25/2013	Equip. 5	Over Pile Flight Reclaimer CV-105, Drive Rating - 20 HP.	N	Exists at 1.B.1 Table b. Reclaimer. For fuel processing and delivery 10 hp electric.
RIOB-90-01 9/25/2013	Equip. 6	Reclaimer Hydraulic Pump HD-105, Drive Rating - 15 HP.	N	Exists at 1.B.1 Table b. Reclaimer. For fuel processing and delivery 10 hp electric.
RIOB-90-01 9/25/2013	Equip. 7	Standby Under Pile Drag Chain Reclaimer Conveyor CV-107, Dimensions - 50' x 54", Drive Rating - 30 HP.	N	Exists at 1.B.1 Table b. Conveyors. Misc. dimensions, 7.5 to 30 hp electrically powered.
RIOB-90-01 9/25/2013	Equip. 8	Transfer Belt Conveyor CV-108, Dimensions - 82" x 42", Drive Rating - 7.5 HP.	N	Exists at 1.B.1 Table b. Conveyors. Misc. dimensions, 7.5 to 30 hp electrically powered.
RIOB-90-01 9/25/2013	Equip. 9	Covered Screen Belt Conveyor CV-109, Dimensions - 307' x 42", Drive Rating - 20 HP.	N	Exists at 1.B.1 Table b. Conveyors. Misc. dimensions, 7.5 to 30 hp electrically powered.
RIOB-90-01 9/25/2013	Equip. 10	Self Cleaning Magnet Screen Tower MG-108, Dimensions - 35" x 72" x 16", Drive Rating - 1.5 HP.	N	Exists at 1.B.1 Table b. Screens. Magnet and fuel screens; 1.5 to 10 hp
RIOB-90-01 9/25/2013	Equip. 11	Shredders (2) WH-101A, 101B, Dimensions - 48", Drive Rating - 250 HP	N	Part of reclaimer system at 1.B.1 Table b.
RIOB-90-01 9/25/2013	Equip. 12	Screens (2) DS-101A, 101B, Total Drive Rating - 10 HP.	N	Exists at 1.B.1 Table b. Screens. Magnet and fuel screens; 1.5 to 10 hp

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RIOB-90-01 9/25/2013	Equip. 13	Covered Boiler Feed Belt Conveyor CV-111, Dimensions - 300' x 30", Drive Rating - 20 HP.	N	Exists at 1.B.1 Table b. Conveyors. Misc. dimensions, 7.5 to 30 hp electrically powered.
RIOB-90-01 9/25/2013	Equip. 14	Sand Silo, Dimension - 34'7" H x 10'6" dia., Storage Capacity - 90 tons.	N	Part of conveyor system at 1.B.1 Table b.
RIOB-90-01 9/25/2013	Equip. 15	Boiler, Mfr. - Combustion Engineering, Nominal Capacity: 225000 pound steam per hour & 1475 psia @ 955 deg. F, Design Type - Circulating Fluidized Bed, Nominal Boiler Heat Rating - 356.8 MMBtu/hr, Auxiliary Burner Fuel - Natural Gas or Propane, Duct Burner Rating - 36.93 MMBtu/hr, Upper Chamber Burners - 2 x 36.93, Ignition Burner - 52.74 MMBtu/hr, Metering Bin Drives - 4 x 30 HP, Forced Draft Fan - 1600 HP, Induced Draft Fan - 800 HP, Cooling Tower (2), 300 HP, Nominal Heat Rating including all auxiliary Burners: 356.8 MMBtu/hr. Generation Capacity - 28.5 MW of electrical power.	N	Exists at 1.B.1 Table a. Boiler. Circulating fluidized bed combustor with overfire air, nominal rating: 357 MMBtu/hr.
RIOB-90-01 9/25/2013	Equip. 16	Ash Handling System, Dust Suppression - Water Mixing, Storage - Ash Silo, Silo Vent Type - Fabric Filter, Conveyors: Screw Conveyor - 51'8", 3.0 HP; Multiclone Conveyor - 21'8", 1.0 HP; Main Ash Conveyor - 108'0", 5.0 HP; Transfer Conveyor - 20' 5", 1.0 HP; Bucket Feed Conveyor - 53'8", 1.5 HP; Bucket Elevator - 64'10", 7.5 HP, Pugmill Mixing Conveyor, 7.5 HP, Water-Cooled Screw Conveyor, Mfr: Holo-Flight, Length: 20', Drive Motor: 10 hp, Water-Cooled Vibrating Conveyor, Mfr: N/A, Length: 8', Drive Motor: 5 HP.	N	Exists at 1.B.1 Table b. Conveyors. Misc. dimensions, 7.5 to 30 hp electrically powered.
RIOB-90-01 9/25/2013	Equip. 17	Emission Control Systems, Cyclone, Multiclone, Electrostatic Precipitator, Ammonia Injection, Opacity Monitor - LAND Instruments; Model 4500 Mk II+, Serial No. 125176 63, NOx Analyzer: Aldora Perkin Elmer, Model MCS100E, Serial Number 110, O2 Analyzer: Aldora Perkin Elmer MCS 100E Serial Number 110.	N	Exists at 1.B.1 Table c. Cyclone, Multi-clone and Electrostatic Precipitator. N/A.

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RIOB-90-01 9/25/2013	Equip. 18	Ammonia Storage Tank (V-1501), Mfr. - Dal-Worth Tank Co., Tank Size - 36' length x 8' dia., Storage Capacity - 12000 gallons gross & 9840 gallons net, Stored Liquid - Anhydrous Ammonia, Design - 265 psia @ 165 deg. F ASME Section VIII, Div. 1, Storage Tank Design Conditions: (1) Amb. Temp. (Dry Bulb) - 94 deg. F; (2) Amb. Temp. (min. Dry Bulb) - 28 deg. F; (3) Design Wind Speed - 70 mph; (4) Tank Operating Temperature - >30 deg. F; (5) Tank Operating Pressure - >45 psig; (6) Tank Design Temp. - 165 deg. F; (7) Tank Design Pressure - 265 psig.	N	Exists at 1.B.1 Table c. Ammonia Storage Tank. 12,000 gallon anhydrous ammonia tank.
RIOB-90-01 9/25/2013	Equip. 19	Ammonia Vaporizer (E-1501), Mfr. - Gaumer Co., Model - P100A or equal, Catalog No. ICC34F6N64M4ERJ, Size - 49" H x 13" W, Capacity - 100 lb/hr NH <sub>3</sub> , Solvent - Anhydrous Ammonia, Electrical Rating - 25 kW connected, Power Supply - 480 V; 3 phase; 60 Hz, 120 deg. F; Vaporizer Design Temp. 265 deg. F; Vaporizer Design Pressure - 300 psig.	N	Exists at 1.B.1 Table c. Ammonia Vaporizer. Rating – 100 lbs/hr.
RIOB-90-01 9/25/2013	Equip. 20	Ammonia Injection System, Mfr. - Not Specified, Pipe Material Specification - LN <sub>3</sub> Sch 80 Carbon Steel; VN <sub>3</sub> Sch 40 Carbon Steel, Valve Material Specification: LN <sub>3</sub> 400 lbs rated & VN <sub>3</sub> 400 lbs rated, Nozzles: 4 nozzles; Material - Stainless Steel; Location - Cyclone; & Elev. 90' 8", Ammonia Flowrate - 100 lb/hr design & < 20 lb/hr nom. operating.	N	Exists at 1.B.1 Table c. Ammonia Injection System. Rating – 100 lbs/hr – 4 nozzles.
RIOB-90-01 9/25/2013	Equip. 21	Belt Magnet (MG-108A), Mfr: Eritz, Model: SI-7422, SC-2, Style: 802711, Serial Number: 126308, Drive HP: 3	N	Exists at 1.B.1 Table b. Screens. Magnet and fuel screens; 1.5 to 10 hp
RIOB-90-01 9/25/2013	Equip. 22	Dry Ash Handling System Blower, Mfr: N/A, Rating: 1,000 cfm, Power: 3 hp.	N	Exists / included in 1.B.1 Table b.
RIOB-90-01 9/25/2013	Equip. 23	Dry Ash Handling System Silo Vent Filter, Mfr: DISA Systems Inc., Model: RJCS-18, Filter Area: 194 sq. ft., 18 Total Cartridges, Air to Cloth Ratio: 2.6:1, Filter Media: Spun Bonded Polyester, Air Volume: 500 cfm.	N	Exists / included in 1.B.1 Table b.
RIOB-90-01 9/25/2013	Equip. 24	Dry Ash Handling System Loading Spout, Retractable, Dust Free, Mfr: Sly Inc. Model: XP-8, Max. Loading Rate: 150 Tons/hr, Power Rating: 0.5 hp.	N	Exists / included in 1.B.1 Table b.
RIOB-90-01 9/25/2013	Equip. 25	Sand Recycling System Consisting of Vibra-Pro Ash and Sand Conveyor AC-107 with 5 hp motor, Ash and Sand Conveyor B, Magnet, Two-Deck Screen, Vacuum Transport System Blower, Flex-Kleen Baghouse, and Pneu-Con Baghouse, with Combined Motor Power of 43 hp.	Add	New Equipment. Add at 1.2.1 Table B.

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RIOB-90-01 9/25/2013	1	All service roads and plant areas shall be maintained in a manner to prevent or minimize fugitive dust and preclude violation of Health and Safety Code Section 41700 and District Rule 205, Nuisance.	N	Exists at 3.B.3. All service roads and plant areas shall be maintained in a manner that <i>effectively controls</i> fugitive dust and <i>prevents the</i> violations of the <i>California</i> Health and Safety Code Section 41700 and District Rule 205, Nuisance.
RIOB-90-01 9/25/2013	2	All wood fuel conveying systems shall be enclosed and shall employ an under belt cleaning system subject to the approval of the Air Pollution Control Officer (APCO).	N	Exists at 2.C.6.a. All wood fuel conveying systems shall be enclosed and shall employ an under belt cleaning system subject to the approval of the Air Pollution Control Officer (APCO).
RIOB-90-01 9/25/2013	3	All wood fuel transfer points to storage piles shall employ a flexible drop chute, and to limit the free fall of the fuel material as much as practicable, and designed not to clog.	N	Exists at 2.C.6.b. All wood fuel transfer points to storage piles shall employ a flexible drop chute, and to limit the free fall of the fuel material as much as practicable, and designed not to clog.
RIOB-90-01 9/25/2013	4	The wood waste classification and size reduction components shall be completely enclosed.	N	Exists at 2.C.6.c. The wood waste classification and size reduction components shall be completely enclosed.
RIOB-90-01 9/25/2013	5	The ash handling system shall be maintained dust tight to prevent the discharge of collected particulate matter into the ambient air. The system shall be vented only through the ash silo vent filter. Either the wet system with water suppression or the dry ash handling system may be used during ash loadout into trucks.	N	Exists at 2.C.7.a. The ash handling system shall be maintained dust tight to prevent the discharge of collected particulate matter into the ambient air. The system shall be vented only through the ash silo vent filter. Either the wet system with water suppression or the dry ash handling system may be used during ash loadout into trucks.
RIOB-90-01 9/25/2013	6	The Ash and Sand conveyor transition points shall be controlled by either enclosures vented through a baghouse or water mist spray nozzles to control fugitive dust emissions. Screening operations shall be vented through a baghouse.	Add	New condition added at 2.3.8.5 Ash Handling System and 2.3.9.2 Sand Recycling System.
RIOB-90-01 9/25/2013	7	Wet suppression shall be used on stockpiled sand to control fugitive particulate emissions, unless the stockpiled material does not result in any visible particulate matter emissions.	Add	New condition added at 3.2.3 Stockpiled Sand.
RIOB-90-01 9/25/2013	8	The cooling tower shall be designed and operated to minimize drift.	N	Exists at 2.C.8. The cooling tower shall be operated to minimize drift.
RIOB-90-01 9/25/2013	9	The water spray system for each truck dump hopper shall be operating when receiving fuel. A minimum of 80% of the water spray nozzles must be operational.	N	Exists at 2.C.5. The truck dump dust wet suppression system shall be maintained operational at all times. The water spray system for each truck dump shall be operating when receiving fuel containing sawdust or fine particles which would result in visible emissions greater than 10% opacity. A minimum of 80% of the water spray nozzles must be operational.
RIOB-90-01 9/25/2013	10	The quantity of material processed by the sand recycling system shall not exceed 3,913 tons per quarter.	Add	New condition added at 2.3.9.1 - Sand Recycling System.

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RIOB-90-01 9/25/2013	11	The maximum steam output from the boiler shall not exceed 230,000 pounds per hour with a 24-hour averaging period.	Amend	Edit 2.B.1. The maximum steam output from the boiler shall not exceed <u>250,000</u> pounds per hour with a 24-hour averaging period.
RIOB-90-01 9/25/2013	12	The company shall keep an operating and maintenance program subject to the APCO's approval.	N	Exists at 3.H.10. The company shall keep an operating and maintenance program subject to the APCO's approval.
RIOB-90-01 9/25/2013	13	The electrostatic precipitator shall be designed and maintained such that the final stage cleaning cycle shall not clean the entire field at any one time.	N	Exists at 2.C.4. The electrostatic precipitator shall be maintained such that the final stage cleaning cycle shall not clean the entire field at any one time.
RIOB-90-01 9/25/2013	14	The boiler shall be fired exclusively on a gaseous fuel for startup and the following types of fuel during normal operation: A. Gaseous fuel not to exceed 25% of total BTU input. B. Biomass residues including urban wood wastes, nut shells, fruit pits, grape stems and pomace, and wood residue from the forest products industry (i.e. sawmills). C. California Air Resources Board approved offset creditable fuels including orchard and vineyard prunings, forest management wood residues, vegetable crop biomass residues and field crop biomass residues.	N	Exists at 2.C.2.a. The boiler shall be fired exclusively on a gaseous fuel for startup and the following types of fuel during normal operation: 1. Natural gas or landfill gas (if approved by the District ). 2. Biomass residues including urban wood wastes, nut shells, fruit pits, grape stems and pomace, wood residue from the forest products industry (i.e. sawmills) and refuse derived fuel (if approved by the District). 3. Petroleum coke (if approved by the District) 4. California Air Resources Board approved offset creditable fuels including orchard and vineyard prunings, forest management wood residues, vegetable crop biomass residues and field crop biomass residues.
RIOB-90-01 9/25/2013	15	Wood waste fuels shall exclude chemically treated wood and/or that material containing toxic or hazardous materials which may be defined as "hazardous waste" per section 25117, California Health and Safety Code, Division 20, Chapter 6.5, or as determined/defined in Title 22, California Code of Regulations, Division 4.5).	N	Exists at 2.C.2.b. Wood waste fuels shall exclude chemically treated wood and/or that material containing toxic or hazardous materials which may be defined as "hazardous waste" per section 25117, California Health and Safety Code, Division 20, Chapter 6.5, or as determined/defined in Title 22, California Code of Regulations, Division 4.5.
RIOB-90-01 9/25/2013	16	The Air Pollution Control Officer may limit or prohibit the use of any fuel found to cause the exceeding of any emission limitation contained in this permit, U.S. EPA Prevention of Significant Deterioration (PSD) applicability determinations, and state or federal air pollution laws. The Air Pollution Control Officer may limit or prohibit the use of any fuel found to contribute to the production of discharged air contaminants in such quantities as to pose a hazard to public health or property.	N	Exists at 2.C.2.c. The Air Pollution Control Officer may limit or prohibit the use of any fuel found to cause the exceeding of any emission limitation contained in this permit, U.S. EPA Prevention of Significant Deterioration (PSD) applicability determinations, and state or federal air pollution laws. The Air Pollution Control Officer may limit or prohibit the use of any fuel found to contribute to the production of discharged air contaminants in such quantities as to pose a hazard to public health or property.
RIOB-90-01 9/25/2013	17	The following Continuous Emissions Monitoring System (CEMS) instruments shall be installed, calibrated, maintained and operated in accordance with the manufacturer's recommendations, 40 CFR 60.13, and District Rules 408, Source Record Keeping and Reporting, and 501, General Permit Requirements:	N	Exists at 6.B.1.a. The following Continuous Emissions Monitoring System (CEMS) instruments shall be calibrated, maintained, and operated in accordance with the manufacturer's recommendations, 40 CFR 60.13, and District Rules 408, Source Record Keeping and Reporting and 501, General Permit Requirement:

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		A. A transmissometer with data acquisition system for the measurement and recording of opacity in the boiler stack discharge. This instrument and its records may constitute proof of compliance or noncompliance with District Rule 202, Visible Emissions not withstanding visible emissions evaluation determinations made by enforcement authorities.		1. A transmissometer with data acquisition system for the measurement and recording of opacity in the boiler stack discharge.
		B. An oxygen monitor in the boiler stack discharge with data acquisition system.		2. An oxygen concentration monitor in the boiler stack discharge with data recorder.
		C. An oxides of nitrogen monitor in the boiler stack discharge with data acquisition system. The information obtained by this monitor shall be reduced to hourly emissions and shall be subject to the reporting requirements of Rule 408, Source Record Keeping and Reporting.		3. An oxides of nitrogen concentration monitor in the boiler stack discharge with data recorder.
RIOB-90-01 9/25/2013	18	The Continuous Emissions Monitoring System may be used to demonstrate compliance or noncompliance with applicable emissions limitations.	N	Exists at 6.D.1. The Continuous Emissions Monitoring System may be used to demonstrate compliance or noncompliance with applicable emissions limitations.
RIOB-90-01 9/25/2013	19	Nothing in these Conditions shall be construed to allow the violation of any law or of any rule or regulation of the Placer County Air Pollution Control District, the State of California, or the U.S. Environmental Protection Agency by Rio Bravo-Rocklin.	N	Not required for Title V permit.
RIOB-90-01 9/25/2013	20	Test ports on the main boiler stack shall be modified to 4" (minimum) diameter or 6" diameter, in order to facilitate the testing for particulate matter 10 microns in aerodynamic size, or smaller.	N	Not required for Title V permit. Condition has been met.
RIOB-90-01 9/25/2013	21	Rio Bravo will take the following steps to mitigate wet fuel as a cause for exceeding emissions limitations and upset/breakdowns:  A. During every planned outage, thoroughly inspect the fuel feed system, and the fuel chutes and combustor for contributing causes to fuel feed upsets. Expedient repair will occur as soon as it is feasible with the objective of preventing any further exceedances/upset/breakdowns.  B. If need be, over and above the steps defined in (A) above, during the period when high moisture fuel (with greater than 60% water) is being fed to the boiler, Rio Bravo-Rocklin will use natural gas in a flame stabilization mode to minimize the potential for boiler upsets and the potential of an exceedance or an upset/breakdown (per Rio Bravo-Rocklin correspondence on April 15, 1993 and July 21, 1993).	N	Exists at 2.C.3. Rio Bravo will take the following steps to mitigate wet fuel as a cause for exceeding emission limitations and upsets/breakdowns:  a. During every planned outage, thoroughly inspect the fuel feed system, and the fuel chutes and combustor for contributing causes to fuel feed upsets. Expedient repair will occur as soon as it is feasible with the objective of preventing any further exceedances/upset/breakdowns.  b. If need be, over and above the steps defined in (a) above, during a period when high moisture fuel (with greater than 60% water) is being fed to the boiler, Rio Bravo will use natural gas in flame stabilization mode to minimize the potential for boiler upsets and the potential of an exceedance or an upset/breakdown (per Rio Bravo correspondence on April 15, 1993 and July 21, 1993).

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RIOB-90-01 9/25/2013	22	Dry Ash Handling System - Pressure gauge(s) indicating the differential pressure of filter inlet and outlet plenums shall be installed and shall be operable at all times the Loading Spout is in operation. Such gauges shall be subject to the reporting requirements of Rule 404, shall provide indication in inches of water, and shall be readily accessible for inspection.	N	Exists at 2.C.7.b. Pressure gauges indicating the differential pressure of the Loading Spout filter inlet and outlet plenums shall be installed and shall be operated at all times the Loading Spout is in operation. Gauges shall provide indication in inches of water, and shall be readily accessible for inspection.
RIOB-90-01 9/25/2013	23	Spare bags shall be kept available for the replacement of torn or otherwise defective bags. Replacement bags shall be made available for District inspection.	N	Exists at 2.C.7.c. Spare bags shall be kept available for the replacement of torn or otherwise defective bags. Replacement bags shall be made available for District inspection.
RIOB-90-01 9/25/2013	24	Collected particulate matter shall be handled in a manner which prevents re-entrainment of the material into the ambient air.	Add	New condition added at 2.3.8.6
RIOB-90-01 9/25/2013	25	The filter shall be operable whenever the Loading Spout is operated.	N	Exists at 2.C.7.d. The filter shall be operable whenever the Loading Spout is operated.
RIOB-90-01 9/25/2013	26	The ash handling system shall be maintained and operated to minimize the discharge of collected particulate matter into the ambient air. The system shall be vented only through the ash silo vent filter. Either the wet system with water suppression or the dry ash handling system may be used during ash loadout into trucks.	N	Exists at 2.C.7.a. The ash handling system shall be maintained dust tight to prevent the discharge of collected particulate matter into the ambient air. The system shall be vented only through the ash silo vent filter. Either the wet system with water suppression or the dry ash handling system may be used during ash loadout into trucks.
RIOB-90-01 9/25/2013	27	A log book or other record detailing the performance and date of preventive maintenance, corrective maintenance, and inspections, as well as reporting breakdowns (per District Rule 404), shall be established and maintained. This log or record shall be made available to the District's inspector upon request. (Rule 501 § 503)	N	Exists at 6.C.3. Rio Bravo shall establish and maintain a log book or other record detailing the performance and date of preventive maintenance, corrective maintenance, and inspections, as well as reporting breakdowns (per District Rule 404, Upset, Breakdown and Scheduled Maintenance).
RIOB-90-01 9/25/2013	28*	Reporting and Recordkeeping: Maintenance and breakdown records, and production data shall be maintained and summary reports submitted to the District on forms or formats furnished by the District. Records from monitoring equipment shall be kept by the Owner or Operator for a period of five (5) years, and shall be made available to the District's inspector upon request. Production data required for reporting to the District may include the following for a specified reporting period: A. Typical schedule of operation, in terms of hours/day, days/week, and weeks/year; B. Total hours of boiler operation;	N	Exists at 6.C.1. Rio Bravo shall maintain the following logs: Schedule of operation hours/day, days/week, and weeks/year. Total hours of boiler operation. Total solid fuel consumed, wood waste (or RDF or petroleum coke, if approved) in dry tons, estimated average BTU value and average moisture content (in % H2O by weight) and total natural gas (landfill gas if approved) in dry standard cubic feet and estimated average BTU value. Total hours of boiler operation (excluding periods of upset and violations) and the estimated total emission and average daily emission of particulate matter, oxides of nitrogen, sulfur oxides, non methane hydrocarbon, and carbon monoxide. Total hours of upset operation pursuant to District Rule 404 and hours in violation of emission limits (identify violation). Total estimated emission.

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		<p>C. Total wood waste fuel consumed, in dry tons, and estimated average BTU value and average moisture content (in percent H2O by weight);</p> <p>D. Total hours of upset operation pursuant to District Rule 404 and hours in violation of emission limits (identify violation), and total estimated emission, average daily emission, and average hourly emission, of particulate, oxides of nitrogen, sulfur oxides, non-methane hydrocarbon, and carbon monoxide, for upsets and violations;</p> <p>E. The total hours of boiler operation, excluding upsets and violations, and the estimated total emission and average daily emission of particulate matter, oxides of nitrogen, sulfur oxides, non-methane hydrocarbon, and carbon monoxide;</p> <p>F. Total wood waste fuel in inventory onsite, in dry tons, and the estimated average moisture content (in percent H2O by weight); and</p> <p>G. Total anhydrous ammonia consumed in pounds and the average ammonia injection rate in pounds NH3 per hour.</p> <p>H. Daily quantity of material processed by the sand recycling system.</p>		<p>average daily emission, and average hourly emission, of particulate matter, oxides of nitrogen, sulfur oxides, non methane hydrocarbon, and carbon monoxide, for upsets and violations.</p> <p>Total woodwaste fuel in inventory onsite, in dry tons, and the estimated average moisture content (in percent H2O by weight).</p> <p>Total anhydrous ammonia consumed in pounds and the average ammonia injection rate in pounds NH3 per hour.</p>
RIOB-90-01 9/25/2013	29*	<p>Pursuant to Rule 233, Biomass Boilers (per Rule 233 § 501), a person operating a unit subject to this rule shall keep the following records for each unit:</p> <p>A. Calendar date of record;</p> <p>B. Number of hours the unit is operated during each day;</p> <p>C. Boiler load;</p> <p>D. Fuel types, including supplementary gaseous or liquid fuels;</p> <p>E. Duration of startups and shutdowns;</p> <p>F. Type and duration of maintenance and repairs;</p> <p>G. Results of compliance tests;</p> <p>H. Three-hour average NOx emission concentration (expressed as NO2 and corrected to 12 percent by volume stack gas CO2);</p> <p>I. Three-hour average CO emission concentration (corrected to 12 percent by volume stack gas CO2);</p> <p>J. Identification of time periods during which NOx and CO emission limitations are exceeded, the reason for the exceedance, and a description of corrective action taken; and</p>	N	<p>Exists at 6.C.4.a. Rio Bravo shall keep/log (for 5 years) the following boiler information:</p> <ol style="list-style-type: none"> <li>1. Calendar date of record.</li> <li>2. Number of hours the unit is operated during each day.</li> <li>3. Boiler load.</li> <li>4. Fuel types, including supplementary gaseous or liquid fuels.</li> <li>5. Duration of startups and shutdowns.</li> <li>6. Type and duration of maintenance and repairs.</li> <li>7. Results of compliance tests.</li> <li>8. Three hour average NOx emission concentration (expressed as NO2 and corrected to 12 percent by volume stack gas CO2).</li> <li>9. Three hour average CO emission concentration (corrected to 12 percent by volume stack gas CO2). Identification of time periods during which NOx and CO emission limitations are exceeded, the reason for the exceedance, and a description of corrective action taken.</li> <li>10. Identification of time periods during which operating condition and pollutant emission data were not obtained, the reason for not obtaining this information, and a description of corrective action taken.</li> </ol>

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		K. Identification of time periods during which operating condition and pollutant emission data were not obtained, the reason for not obtaining this information, and a description of corrective action taken.		
RIOB-90-01 9/25/2013	30*	30. All startup and shutdown periods, as defined in Rule 233, during which the NOx emissions exceed 115 ppmv corrected to 12% CO2 on a three hour rolling average, or CO emissions exceed fifty-six (56) pounds per hour on a three hour rolling average; and all startup and shutdown periods, as defined in Condition 51, when there is a violation of Rule 202, shall be reported to the District in a report submitted quarterly. The report shall identify time periods and dates of shutdowns and startups, and the reason for each shutdown. If the alternative emission limits provided by Rule 233 Section 302 (a) or (b), and/or Rule 203 A.12 are exceeded, the report shall also identify the corrective action taken. The report shall be submitted to the Air Pollution Control Officer within 30 days of the end of each calendar quarter and may be submitted concurrently with the excess emissions and monitoring systems performance report required by 40 CFR 60, Section 60.7 (c) and (d) and Section 60.13.	Add	New condition added at 5.5.3 - NOx/CO Alternative Compliance Limits for Startup and Shutdown.
RIOB-90-01 9/25/2013	28*	<p>Performance testing shall be conducted annually for NOx, CO, VOC, and PM10 while the boiler is operated within 10% of the maximum steady-state steam production rate of 230,000 pounds per hour. Except as otherwise specified in District rules, regulations, or permit conditions, the test methods used for determining emission compliance with emission limits shall be from:</p> <p>A. Methods adopted by the California Air Resources Board (Title 17)</p> <p>B. Methods identified in 40 CFR 50</p> <p>C. Methods identified in 40 CFR 60, or</p> <p>D. Any alternative method approved by the Air Pollution Control Officer.</p>	N	<p>Exists at 6.D.3.</p> <p>a. Rio Bravo shall conduct or cause to be conducted, performance tests to determine compliance with District Rules and Regulations.</p> <p>b. Boiler performance tests for NOx, CO, and PM shall be conducted on an annual basis while the boiler is operated within 10% of the maximum steady-state steam production rate of 230,000 pounds per hour.</p> <p>c. Upon written request, the District may approve testing the emission unit(s) at a lower operating capacity.</p>
RIOB-90-01 9/25/2013	29*	No emissions are permitted, from any source, which are a nuisance per District Rule 205, Nuisance.	N	Exists at 3.B.1. No emissions are permitted, from any source, which are a nuisance per District Rule 205, Nuisance.

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Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
RIOB-90-01 9/25/2013	30*	In accordance with District Rule 207, Particulate Matter, particulate emissions, exclusive of sources emitting combustion contaminants only, may not exceed a concentration of 0.1 gr/dscf from any source or single processing unit.	N	Exists at 3.C. In accordance with District Rule 207, Particulate Matter, Rio Bravo shall not release or discharge from any source or single processing unit, exclusive of sources emitting combustion contaminants only, particulate matter in excess of 0.1 gr/dscf at standard condition.
RIOB-90-01 9/25/2013	31	The particulate emissions from the main boiler discharge stack shall not exceed 0.020 grains/dscf corrected to 12% carbon dioxide (CO <sub>2</sub> ).	N	Exists at 2.A.1.a.1. The particulate emissions from the main boiler discharge stack shall not exceed 0.020 grains/dscf corrected to 12 % CO <sub>2</sub> .
RIOB-90-01 9/25/2013	32	The discharge of sulfur compounds from the main boiler discharge stack, calculated as sulfur dioxide (SO <sub>2</sub> ), shall not exceed 0.2 percent by volume, pursuant to Rule 210, Specific Contaminants.	N	Exists at 2.A.1.c.2. The discharge of sulfur compounds from the main boiler discharge stack, calculated as sulfur dioxide (SO <sub>2</sub> ), shall not exceed 0.2 percent by volume, pursuant to Rule 210, Specific Contaminants.
RIOB-90-01 9/25/2013	33	Any source permitted after June 19, 1979, and prior to September 21, 1993, (i.e., was subject to Rule 508, New Source Review, adopted June 19, 1979) is limited to a net increase in emission, after June 19, 1979, of 250 pounds during any day of any pollutant for which there is a national ambient air quality standard, or any precursor of such pollutant, unless BACT and Offsets have been applied and the permit contains enforceable emission limitations.	N	Exists at 3.L. Any source permitted after June 19, 1979, and prior to September 21, 1993, (i.e., was subject to Rule 508, New Source Review, adopted June 19, 1979) is limited to a net increase in emission, after June 19, 1979, of 250 pounds during any day of any pollutant for which there is a national ambient air quality standard, or any precursor of such pollutant, unless BACT and Offsets have been applied and the permit contains enforceable emission limitations.
RIOB-90-01 9/25/2013	34	Emission opacity as dark or darker than Ringelmann No. 1 (20% opacity) for a period or periods aggregating more than three (3) minutes in any one hour is prohibited, and is in violation of District Rule 202, Visible Emissions, except visible emissions resulting from the startup or shutdown of the boiler are exempt for a period or periods of time aggregating not more than 30 minutes in any 24-hour period per Rule 203, Exemptions to Rule 202, or occurring during a "maintenance outage" as provided under Condition 52. (For the purposes of this exemption, "any 24-hour period" means a rolling 24-hour period, incremented by the clock hour.) This exemption shall not apply to emissions which result from the failure to operate and maintain in good working order any emission control equipment.	N	Exists at 3.A.1. Emission opacity as dark or darker than Ringelmann No. 1 (20% opacity) for a period or periods aggregating more than three (3) minutes in any one hour is prohibited and is in violation of District Rule 202, Visible Emissions except visible emissions resulting from the startup or shutdown of the boiler are exempt for a period or periods of time aggregating not more than 30 minutes in any 24 hour period per Rule 203, Exceptions to Rule 202. (For the purposes of this exception, "any 24-hour period" means a rolling 24-hour period, incremented by the clock hour). This exception shall not apply to emissions which result from the failure to operate and maintain in good working order any emission control equipment.
RIOB-90-01 9/25/2013	35	Visible emissions at the truck dump system shall not exceed 10% opacity.	N	Exists at 2.A.2. Visible emissions at the truck dump system shall not exceed 10% opacity.
RIOB-90-01 9/25/2013	36	Fugitive dust emissions shall not exceed the standards of District Rule 228, Fugitive Dust which include the following:	N	Exists at 3.A.3. All reasonable fugitive dust control measures for the fuel piles are considered to be implemented, and no enforcement action shall be taken in

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
		<p>A. Fugitive dust generated by active operations, an open storage pile, or a disturbed surface shall not obscure an observer's view to a degree equal to or greater than No. 2 on the Ringelmann Chart (i.e. 40% opacity) at any time. (Rule 228, Section 302)</p> <p>B. Visible emissions are not allowed beyond the facility boundary line. (Rule 228, Section 301)</p> <p>C. Visible roadway dust as a result of active operations, spillage from transport trucks, and the track-out of bulk material onto public paved roadways shall be minimized and removed. (Rule 228, Section 303)</p>		accordance with Rule 228, Fugitive Dust, Section 405, for events where the provisions of Section 300, of Rule 228, are not complied with, if the following requirements are met. a. All Rio Bravo Rocklin wood fuel handling vehicles to maintain speeds less than 5 MPH at the facility. b. All wood fuel storage piles to be maintained within side walls no taller than three feet extending above the working fuel pile working fuel pile surface; and c. Wind screens are installed to ameliorate wind affects in the wood fuel processing area. Settlement Agreement.
RIOB-90-01 9/25/2013	37	Particulate emissions shall not exceed the applicable limitation of Rule 211, Process Weight.	N	Exists at 3.E. Rio Bravo shall not discharge in any one hour on a from any single source of emissions, solid particulate matter in excess of the amount calculated using the following equations: For Process rates less than 30 tons per hour; $E = 3.59 P^{**}(0.62)$ For Process weight > 30 tons per hour; $E = 17.31 P^{**}(0.16)$ Where: E = Emission limit in pounds per hour P = Process weight rate in tons per hour
RIOB-90-01 9/25/2013	38	The emission of sulfur oxides (calculated as sulfur dioxide) from the main boiler discharge stack shall not exceed 250 pounds per calendar day.	N	Exists at 2.A.1.c.1. The emission from the main boiler discharge stack of sulfur oxides (calculated as sulfur dioxide) or hydrocarbons (excluding methane) shall not exceed 250 pounds each per day.
RIOB-90-01 9/25/2013	39	The emission of hydrocarbons (excluding methane) from the main boiler discharge stack shall not exceed 250 pounds per calendar day.	N	Exists at 2.A.1.c.1. The emission from the main boiler discharge stack of sulfur oxides (calculated as sulfur dioxide) or hydrocarbons (excluding methane) shall not exceed 250 pounds each per day.
RIOB-90-01 9/25/2013	40	The emission of carbon monoxide from the main boiler discharge stack shall not exceed 56 pounds per hour on a three hour rolling average, except during a startup or shutdown.	N	Exists at 2.A.1.c.3. The emission of carbon monoxide from the main boiler discharge stack shall not exceed 56 pounds per hour on a three hour rolling average.
RIOB-90-01 9/25/2013	41	Compliance with hourly emission limitations may be based on a three hour rolling average.	Add	New condition added at 2.1.5.
RIOB-90-01 9/25/2013	42	The discharge of combustion exhaust gases to the atmosphere at any point other than the main boiler stack is prohibited.	N	Exists at 2.C.1. The discharge of combustion exhaust gases to the atmosphere at any point other than the main boiler stack is prohibited.
RIOB-90-01 9/25/2013	43	Emissions of nitrogen oxides (calculated as nitrogen dioxide) from the main boiler discharge stack shall not exceed 840 pounds per calendar day, with an annual emissions limit not to exceed 131.4 tons per calendar year.	N	Exists at 2.A.1.b.1. Emissions of nitrogen oxides (calculated as nitrogen dioxide) from the main boiler discharge stack shall not exceed 840 pounds per day, with an annual emissions limit not to exceed 131.4 tons per year.

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Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
RIOB-90-01 9/25/2013	44	The NOx emissions from the boiler shall not exceed 115 parts per million (ppmv) corrected to 12 percent by volume stack gas carbon dioxide (CO2) on a three-hour average dry basis.	N	Exists at 2.A.1.b.2
		The NOx emissions from the boiler shall not exceed 68 ppmv corrected to 12 percent by volume stack gas CO2 on a twenty-four hour average dry basis, effective beginning January 1, 2013.	Add	From amended Rule 233. New condition added at 2.1.1.2.3 - Boiler NOx Limit.
		These ppmv limits do not apply during startup or shutdown provided the following requirements are met.	Add	From amended Rule 233. New condition added at 2.1.1.5 - Boiler NOx and CO Limits for Startup and Shutdown.
		A. Startup, as defined in Rule 233, includes the period of time a unit is heated to the normal operating temperature (1500 degrees F), as specified by the manufacturer, following a shutdown. The operating temperature is that measured at mid-combustor temperature indicator number 3305.	Add	From amended Rule 233. New condition added at 2.1.1.5.1 - Boiler NOx and CO Limits for Startup and Shutdown.
		B. A shutdown, as defined in Rule 233, starts when fuel feed is curtailed and the unit begins cooling from the unit's normal operating temperature, as specified by the manufacturer, and ends when the unit is 150 degrees F or less for at least one hour, 24 hours has elapsed since the start of the shutdown, or fuel feed resumes, whichever occurs first. The temperature is that measured at mid-combustor temperature indicator number 3305. A "shutdown" is differentiated from normal operational load variations (i.e., operational load variations in fuel feed and/or boiler temperature, which are not subject to Condition 49) by the separation of the generator from the electrical grid.	Add	From amended Rule 233. New condition added at 2.1.1.5.2 - Boiler NOx and CO Limits for Startup and Shutdown.
		C. CO2 emissions are 10 percent or less by volume stack gas on a one-hour average dry basis. If any of the one hour CO2 averages meets this requirement, then the ppmv limitations do not apply.	Add	From amended Rule 233. New condition added at 2.1.1.5.3 - Boiler Nox and CO Limits for Startup and Shutdown.
RIOB-90-01 9/25/2013	45	During a startup or shutdown period, as defined in Rule 233, mass emissions of NOx shall not exceed seventy (70) pounds per hour on a three hour rolling average.	Add	From amended Rule 233. New condition added at 2.1.1.6 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : During a startup or shutdown period, as defined in Rule 233, mass emissions of NOx shall not exceed <u>thirty-five (35) pounds per hour on a twenty-four hour block average (calendar day), or on a seventy-two hour block average (3 calendar days) during curing startup</u> .

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Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
RIOB-90-01 9/25/2013	46	During a startup or shutdown period, as defined in Rule 233, mass emissions of CO shall not exceed one hundred and twelve (112) pounds per hour on a three hour rolling average.	Add	From amended Rule 233. New condition added at 2.1.1.7 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : During a startup or shutdown period, as defined in Rule 233, mass emissions of CO shall not exceed <u>fifty-six (56) pounds per hour on a twenty-four hour block average (calendar day), or on a seventy-two hour block average (3 calendar days) during curing startup</u> .
RIOB-90-01 9/25/2013	47	During a startup or shutdown period, as defined in Rule 233, mass emissions of CO shall not exceed one thousand three hundred forty four (1,344) pounds per calendar day.	Add	From amended Rule 233. New condition added at 2.1.1.8 - Boiler NOx and CO Limits for Startup and Shutdown.
RIOB-90-01 9/25/2013	48	The aggregate number of startups meeting any or all of the following criteria shall be limited to twenty (20) per calendar quarter and sixty (60) per calendar year:	Add	From amended Rule 233. New condition added at 2.1.1.9 - Boiler NOx and CO Limits for Startup and Shutdown.
		A. Any startup, as defined in Rule 233, during which NOx emissions exceed 115 ppmv, corrected to 12% CO2 on a three-hour rolling average dry basis, and CO2 emissions are 10 percent or less by volume stack gas on a one-hour average dry basis, and the mass emission limit of seventy (70) pounds per hour of NOx on a three-hour rolling average basis is not exceeded.	Add	From amended Rule 233. New condition added at 2.1.1.9.1 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : Any startup, as defined in Rule 233, during which NOx emissions exceed 115 ppmv, corrected to 12% CO2 on a three-hour rolling average dry basis, and CO2 emissions are 10 percent or less by volume stack gas on a one-hour average dry basis, and the mass emission limit of <u>thirty-five (35) pounds per hour on a twenty-four hour block average (calendar day), or on a seventy-two hour block average (3 calendar days) during curing startup is not exceeded</u> .
		B. Any startup, as defined in Rule 233, during which NOx emissions exceed 115 ppmv, corrected to 12% CO2 on a three-hour rolling average dry basis, and CO2 emissions are greater than 10 percent by volume stack gas on a one-hour average dry basis; or the mass emission limit of seventy (70) pounds per hour of NOx on a three-hour rolling average basis is exceeded.	Add	From amended Rule 233. New condition added at 2.1.1.9.2 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : Any startup, as defined in Rule 233, during which NOx emissions exceed 115 ppmv, corrected to 12% CO2 on a three-hour rolling average dry basis, and CO2 emissions are greater than 10 percent by volume stack gas on a one-hour average dry basis; or the mass emission limit of <u>thirty-five (35) pounds per hour on a twenty-four hour block average (calendar day), or on a seventy-two hour block average (3 calendar days) during curing startup is exceeded</u> .
		C. Any startup, as defined in Rule 233, during which CO emissions exceed fifty-six (56) pounds per hour on a three-hour rolling average basis and CO2 emissions are 10 percent or less by volume stack gas on a one-hour average dry basis and the CO mass emissions limit of one-hundred and twelve (112) pounds per hour on a three-hour rolling average basis is not exceeded.	Add	From amended Rule 233. New condition added at 2.1.1.9.3 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : Any startup, as defined in Rule 233, during which CO emissions exceed fifty-six (56) pounds per hour on a three-hour rolling average basis and CO2 emissions are 10 percent or less by volume stack gas on a one-hour average dry basis and the CO mass emissions limit of <u>fifty-six (56) pounds per hour on a twenty-four hour block average (calendar day), or on a seventy-two hour block average (3 calendar days) during curing startup is not exceeded</u> .

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Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
		D. Any startup, as defined in Rule 233, during which CO emissions exceed fifty-six (56) pounds per hour on a three-hour rolling average basis and CO2 emissions are greater than 10 percent by volume stack gas on a one-hour average dry basis; or the CO mass emissions limit of one-hundred and twelve (112) pounds per hour on a three-hour rolling average basis is exceeded.	Add	From amended Rule 233. New condition added at 2.1.1.9.4 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : Any startup, as defined in Rule 233, during which CO emissions exceed fifty-six (56) pounds per hour on a three-hour rolling average basis and CO2 emissions are greater than 10 percent by volume stack gas on a one-hour average dry basis; or the CO mass emissions limit of <u>fifty-six (56) pounds per hour on a twenty-four hour block average (calendar day), or on a seventy-two hour block average (3 calendar days) during curing startup basis is exceeded</u> .
		E. Any startup, as defined in Condition 51, during which the Rule 203, Paragraph A.12 exemption to Rule 202 is applied.	Add	From amended Rule 233. New condition added at 2.1.1.9.5 - Boiler NOx and CO Limits for Startup and Shutdown.
		F. Any startup, as defined in Condition 51, during which an opacity limit of Rule 202 is exceeded and the exemption of Rule 203, Paragraph A.12 does not apply.	Add	From amended Rule 233. New condition added at 2.1.1.9.6 - Boiler NOx and CO Limits for Startup and Shutdown.
		Any combination of the above criteria during the same startup event shall be considered one (1) startup event for purposes of calculating the number of startups under this Condition 48.	Add	From amended Rule 233. New condition added at 2.1.1.9.7 - Boiler NOx and CO Limits for Startup and Shutdown.
RIOB-90-01 9/25/2013	49	The aggregate number of shutdowns meeting any or all of the following criteria shall be limited to twenty (20) per calendar quarter and sixty (60) per calendar year:	Add	From amended Rule 233. New condition added at 2.1.1.10 - Boiler NOx and CO Limits for Startup and Shutdown.
		A. Any shutdown, as defined in Rule 233, during which NOx emissions exceed 115 ppmv corrected to 12% CO2 on a three-hour rolling average dry basis, and CO2 emissions are 10 percent or less by volume stack gas on a one-hour average dry basis, and the mass emission limit of seventy (70) pounds per hour of NOx on a three-hour rolling average basis is not exceeded.	Add	From amended Rule 233. New condition added at 2.1.1.10.1 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : Any shutdown, as defined in Rule 233, during which NOx emissions exceed 115 ppmv corrected to 12% CO2 on a three-hour rolling average dry basis, and CO2 emissions are 10 percent or less by volume stack gas on a one-hour average dry basis, and the mass emission limit of <u>thirty-five (35) pounds per hour on a twenty-four hour block average (calendar day) is not exceeded</u> .
		B. Any shutdown, as defined in Rule 233, during which NOx emissions exceed 115 ppmv corrected to 12% CO2 on a three-hour rolling average dry basis, and CO2 emissions are greater than 10 percent by volume stack gas on a one-hour average dry basis; or the mass emission limit of seventy (70) pounds per hour of NOx on a three-hour rolling average basis is exceeded.	Add	From amended Rule 233. New condition added at 2.1.1.10.2 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : Any shutdown, as defined in Rule 233, during which NOx emissions exceed 115 ppmv corrected to 12% CO2 on a three-hour rolling average dry basis, and CO2 emissions are greater than 10 percent by volume stack gas on a one-hour average dry basis; or the mass emission limit of <u>thirty-five (35) pounds per hour on a twenty-four hour block average (calendar day) is exceeded</u> .

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Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
		C. Any shutdown, as defined in Rule 233, during which CO emissions exceed fifty-six (56) pounds per hour on a three-hour rolling average basis, and CO2 emissions are 10 percent or less by volume stack gas on a one-hour average dry basis, and the mass CO emissions limit of one-hundred and twelve (112) pounds per hour on a three-hour rolling average basis is not exceeded.	Add	From amended Rule 233. New condition added at 2.1.1.10.3 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : Any shutdown, as defined in Rule 233, during which CO emissions exceed fifty-six (56) pounds per hour on a three-hour rolling average basis, and CO2 emissions are 10 percent or less by volume stack gas on a one-hour average dry basis, and the mass CO emissions limit of <u>fifty-six (56) pounds per hour on a twenty-four hour block average (calendar day) is not exceeded</u> .
		D. Any shutdown, as defined in Rule 233, during which CO emissions exceed fifty-six (56) pounds per hour on a three-hour rolling average basis, and CO2 emissions are greater than 10 percent by volume stack gas on a one-hour average dry basis; or the mass CO emissions limit of one-hundred and twelve (112) pounds per hour on a three-hour rolling average basis is exceeded.	Add	From amended Rule 233. New condition added at 2.1.1.10.4 - Boiler NOx and CO Limits for Startup and Shutdown. <u>Corrected/updated to read</u> : Any shutdown, as defined in Rule 233, during which CO emissions exceed fifty-six (56) pounds per hour on a three-hour rolling average basis, and CO2 emissions are greater than 10 percent by volume stack gas on a one-hour average dry basis; or the mass CO emissions limit of <u>fifty-six (56) pounds per hour on a twenty-four hour block average (calendar day) is exceeded</u> .
		E. Any shutdown, as defined in Condition 51, during which the Rule 203, Paragraph A.12 exemption to Rule 202 is applied.	Add	From amended Rule 233. New condition added at 2.1.1.10.5 - Boiler NOx and CO Limits for Startup and Shutdown.
		F. Any shutdown, as defined in Condition 51, during which an opacity limit of Rule 202 is exceeded and the exemption of Rule 203, Paragraph A.12 does not apply.	Add	From amended Rule 233. New condition added at 2.1.1.1.6 - Boiler NOx and CO Limits for Startup and Shutdown.
		Any combination of the above criteria during the same shutdown event shall be considered one (1) shutdown event for purposes of calculating the number of shutdowns under this Condition 49.	Add	From amended Rule 233. New condition added at 2.1.1.1.7 - Boiler NOx and CO Limits for Startup and Shutdown.
RIOB-90-01 9/25/2013	50	The requirements of Condition 62 and 40 CFR 60.11(d) are met when the aggregate number of startups or shutdowns subject to Conditions 48 or 49 has not exceeded the twenty (20) per calendar quarter or sixty (60) per calendar year limits specified in the Conditions 48 or 49,	Add	From amended Rule 233. New condition added at 2.1.1.11 - Boiler NOx and CO Limits for Startup and Shutdown.
RIOB-90-01 9/25/2013	51	For the purposes of the application of the Rule 203, Section A.12, exemptions to the limitations of Rule 202, Visible Emissions, the following definitions apply:	N	Exists at 3.A.2.a.b. For the purposes of the application of the Rule 203, Section A.12, exceptions to the limitations of Rule 202, Visible Emissions, the following definitions apply:

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Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
		<p>A. A "startup" is defined as the period of time the facility is in the process of preparing for and heating the boiler to the normal operating temperature of 1500 degrees F following a shutdown. The startup is completed when the boiler reaches the operating temperature of 1500 degrees. The operating temperature is that measured at mid-combustor temperature indicator number 3305. The beginning of a startup is indicated by the startup "toggle switch" being switched to record a startup in CEMS data and by a concurrent log book entry. If a discrepancy arises between the toggle switch CEMS data and the log book entry, the startup shall be considered to begin at the time noted in the log book.</p> <p>B. A "shutdown" is defined as starting when fuel feed is curtailed and the boiler begins cooling. A shutdown is defined as ending when the boiler is at a temperature of 90 degrees F or less for at least one hour, or 96 hours has elapsed since the start of the shutdown, or fuel feed resumes, whichever occurs first. The temperature is that measured at mid-combustor temperature indicator number 3305. A "shutdown" is differentiated from normal operational load variations (i.e., operational load variations in fuel feed and/or boiler temperature, which are not subject to Condition 49) by the separation of the generator from the electrical grid.</p>		<p>a. A "startup" is defined as the period of time the facility is in the process of preparing for and heating the boiler to the normal operating temperature of 1500 degrees F following a shutdown. The startup is completed when the boiler reaches the operating temperature of 1500 degrees. The operating temperature is that measured at mid-combustor temperature indicator number 3305. The beginning of a startup is indicated by the startup "toggle switch" being switched to record a startup in CEMS data and by a concurrent log book entry. If a discrepancy arises between the toggle switch CEMS data and the log book entry, the startup shall be considered to begin at the time noted in the log book.</p> <p>b. A "shutdown" is defined as starting when fuel feed is curtailed and the boiler begins cooling. A shutdown is defined as ending when the boiler is at a temperature of 90 degrees F or less for at least one hour, or 96 hours has elapsed since the start of the shutdown, or fuel feed resumes, whichever occurs first. The temperature is that measured at mid-combustor temperature indicator number 3305. A "shutdown" is differentiated from normal operational load variations (i.e., operational load variations in fuel feed and/or boiler temperature, which are not subject to Condition 3.H.3.c) by the separation of the generator from the electrical grid</p>
RIOB-90-01 9/25/2013	52	<p>During a maintenance outage, the opacity emission limit that applies to the boiler stack exhaust shall be:</p> <p>A. An emission opacity as dark or darker than Ringlemann No. 1 (20% opacity) for a period or periods aggregating more than 30 minutes in a rolling 24-hour average is prohibited as measured in the stack exhaust. For the purposes of this limit, "any 24-hour period" means a rolling 24-hour period, incremented by the clock hour.</p> <p>B. For purposes of Condition 52, a "maintenance outage" shall be that period following the end of a shutdown, as defined in Condition 51 B, and prior to the beginning of a startup, as defined in Condition 51 A, during which the plant is undertaking testing, maintenance, repair or replacement of equipment or facilities necessary for safe or efficient operations of the plant.</p>	Add	<p>New Condition added at 2.3.5 - Boiler Emissions Opacity.</p> <p>New Condition added at 2.3.5.1 - Boiler Emissions Opacity.</p> <p>New Condition added at 2.3.5.2 - Boiler Emissions Opacity.</p>

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
RIOB-90-01 9/25/2013	53	<p>All reasonable fugitive dust control measures for the fuel piles are considered to be implemented, and no enforcement action shall be taken in accordance with Rule 228, Fugitive Dust, Section 405, for events where the provisions of Section 300, of Rule 228, are not complied with, if the following requirements are met:</p> <p>A. All Rio Bravo Rocklin wood fuel handling vehicles to maintain speeds less than 5 MPH at the facility;</p> <p>B. All wood fuel storage piles to be maintained within side walls no taller than three feet extending above the working fuel pile surface; and</p> <p>C. Wind screens are installed to ameliorate wind affects in the wood fuel processing area.</p>	N	<p>Exists at 3.A.3. All reasonable fugitive dust control measures for the fuel piles are considered to be implemented, and no enforcement action shall be taken in accordance with Rule 228, Fugitive Dust, Section 405, for events where the provisions of Section 300, of Rule 228, are not complied with, if the following requirements are met:</p> <p>a. All Rio Bravo Rocklin wood fuel handling vehicles to maintain speeds less than 5 MPH at the facility;</p> <p>b. All wood fuel storage piles to be maintained within side walls no taller than three feet extending above the working fuel pile working fuel pile surface; and</p> <p>c. Wind screens are installed to ameliorate wind affects in the wood fuel processing area.</p>
RIOB-90-01 9/25/2013	54	The PM-10 emissions from the sand recycling system shall not exceed 24 pounds per quarter	Add	New Condition added at 2.1.3 - Sand Recycling System.
RIOB-90-01 9/25/2013	55	Operation of this equipment must be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise prescribed by conditions. Any operation of equipment or discharge of emissions to the atmosphere not identified by application submittals made to the District or exceeding the limits of the operation pursuant to which this permit is granted, shall be deemed a violation.	N	Exists at 3.H.9.a. Operation of equipment must be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise prescribed by conditions. Any operation of equipment or discharge of emissions to the atmosphere not identified by application submittals made to the District or exceeding the limits of the operation pursuant to which a permit is granted, shall be deemed a violation.
RIOB-90-01 9/25/2013	56	In the event of any violation of District Rules and Regulations, except as provided for in other rules, the plant management shall take action to end such violation.	N	Exists at 3.I.1. In the event of any violation of the District Rules and Regulations, Rio Bravo shall take action to end such violation.
RIOB-90-01 9/25/2013	57	The plant management shall notify the District (per Rule 404) of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations.	N	Exists at 3.F. The plant manager or designee shall notify the District (per Rule 404) within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations.
RIOB-90-01 9/25/2013	58	Pursuant to District Rule 502, New Source Review, Section 227, the plant management shall report to the District immediately any changes in production rates or operation schedules, changes in operation methods, the addition to or removal of permitted equipment, and changes of any facilities or systems installed or used to achieve compliance with the District Rules and Regulations in addition to the terms and conditions of this Permit to Operate.	N	Exists at 3.I.2. Pursuant to District Rule 502, New Source Review, Section 227, the plant manager, or designee, shall report to the District immediately any changes in production rates or operation schedules, changes in operation methods or fuel characteristics, the addition to or removal of permitted equipment, and changes of any facilities or systems installed or used to achieve compliance with the District Rules and Regulations in addition to the terms and conditions of this Permit to Operate.

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
RIOB-90-01 9/25/2013	59	Revisions to this permit may be requested pursuant to District Rule 501, General Permit Requirements, Section 400.	N	Exists at 3.H.6. Revisions to this permit may be requested pursuant to District Rule 501, General Permit Requirements, Section 400 and District Rule 507, Title V Permit to Operate, Sections 302.6 and 302.7.
RIOB-90-01 9/25/2013	60	An Authority to Construct application shall be filed with the District before the modification or replacement of any equipment for which a Permit to Operate has been granted, and before the installation and operation of any equipment for which an Authority to Construct is required pursuant to Health and Safety Code, Section 42300, and District Rule 501, General Permit Requirements, Section 300.	N	Exists at 3.H.1.a. With the exception of replacement equipment as defined in Rule 502 § 242 an Authority to Construct application shall be filed with the District before the modification or replacement of any equipment for which a Permit to Operate has been granted, and before the installation and operation of any equipment for which an Authority to Construct is required pursuant to Health and Safety Code, Section 42300, and District Rule 501, General Permit Requirements, section 300.
RIOB-90-01 9/25/2013	61	Upon any change in control or ownership of facilities constructed, operated, or modified under authority of this permit, the requirements contained in this Permit to Operate shall be binding on all subsequent owners and operators. Notice of changes in ownership of permitted facilities shall be given to the District.	N	Exists at 3.H.5.a,b. In the event of a change of ownership, an application must be submitted to the District. Upon any change in control or ownership of facilities constructed, operate, or modified under authority of this permit, the requirements contained in this Permit to Operate shall be binding on all subsequent owners and operators.
RIOB-90-01 9/25/2013	62	All equipment, facilities and systems installed or used to achieve compliance with the terms and conditions of this Permit to Operate shall be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.	N	Exists at 3.H.3.a. All equipment, facilities and systems installed or used to achieve compliance with the terms and conditions of this Permit to Operate shall be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.
RIOB-90-01 9/25/2013	63	The exceeding of any of the emission limitations established by the Rules and Regulations of the District is prohibited unless specifically allowed by a granted Variance, or due to an upset, breakdown, or scheduled maintenance per District Rule 404.	N	Exists at 3.H.2.a. The exceedance of any emission limitation established by this permit or the rules and regulations of the District is prohibited, unless specifically allowed by a granted Variance, or due to an upset, breakdown, or scheduled maintenance per District Rule 404.
RIOB-90-01 9/25/2013	64	The exceeding of any limiting conditions is prohibited without prior application for, and subsequent granting of, a permit modification pursuant to District Rule 501, General Permit Requirements, Section 400, or a Variance, pursuant to Regulation 7, Procedure Before the Hearing Board.	N	Exists at 3.H.2.b. Exceeding any limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, District Rule 507, Title V Permit to Operate, and, if necessary, a Prevention of Significant Deterioration (PSD) permit.
RIOB-90-01 9/25/2013	65	Operation of permitted equipment shall be limited to the maximum rates and schedules of operation, and the specified process materials of approved plans and specifications submitted to the District in application submittals unless otherwise prescribed in the conditions.	N	Exists at 3.H.9.b. Operation of permitted equipment shall be limited to the maximum rates and schedules of operation, and the specified process materials of approved plans and specifications submitted to the District in application submittals unless otherwise prescribed in the conditions.
RIOB-90-01 9/25/2013	66	Compliance of the permitted facility is required with the provisions of the "Air Toxics 'Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).	N	Exists at 3.H.4. Compliance of the permitted facility is required with the provisions of the "Air Toxics 'Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
RIOB-90-01 9/25/2013	67	Rio Bravo has an obligation to defend and indemnify the District against third party challenges in accordance with District Rule 411, Indemnification of District.	N	Exists at 4.Q. Rio Bravo has an obligation to defend and indemnify the District against third party challenges in accordance with District Rule 411.
AC-15-01	1	The throughput of the sand recycling system shall not exceed 13,300 tons per quarter.		Increased throughput.
AC-13-41	Equip.	Continuous Emission Monitoring System Analyzer, Mfr: EcoChem, Model: MC3. Provides for Measurement of NOx, CO, CO2, and O2 in the Stack.	Add	New Equipment. Added at 1.2.1 Table C.
AC-13-41	1	This Authority to Construct authorizes replacement of the CEMS analyzer with an EcoChem model MC3 analyzer.	N	Not applicable to Title V permit.
AC-13-41	2	All conditions of permit RIOB-90-01 9/25/2013 apply.	N	Not applicable to Title V permit.
AC-13-41	3	Authorization to construct the equipment listed and as prescribed in the approved plans and specifications is hereby granted, subject to the specified permit conditions. The construction and operation of listed equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted in the conditions. Deviation from the approved plans is not permissible without first securing approval for the changes from the Air Pollution Control Officer. (Rule 501)	N	Not applicable to Title V permit.
AC-13-41	4	Written notification shall be submitted to the District no later than seven (7) days after completion of construction. (Rule 501)	N	Not applicable to Title V permit.
AC-13-41	5	This permit shall be maintained on the premises of the subject equipment. (Rule 501)	N	Exists at 3.H.7. This permit shall be maintained on the premises of the subject equipment.
AC-13-41	6	The authorized District agents shall have the right of entry to any premises on which an air pollution emission source is located for the purpose of inspecting such source, including securing samples of emissions therefrom, or any records required to be maintained therewith by the District. (Rule 402)	N	Exists at 4.C. The Regional Administrator, the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted: 1. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Permit to Operate; and 2. At reasonable times to have access to, inspect and copy any records required to be kept under the terms and conditions of this Permit to Operate; and 3. To inspect any equipment at the stationary source, operation, work
AC-13-41	7	In the event of any violation of the District Rules and Regulations, the company shall take action to end such violation. (Rule 502)	N	Exists at 3.I.1. In the event of any violation of the District Rules and Regulations, Rio Bravo shall take action to end such violation.

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
AC-13-41	8	The company shall notify the District within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations. (Rule 404)	N	Exists at 3.F.1. The plant manager or designee shall notify the District (per Rule 404) within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations.
AC-13-41	9	Any alteration of the subject equipment, including a change in the method of operation, shall be reported to the District. Such alterations may require an Authority to Construct Permit. (Rule 501)	N	Exists at 3.H.1.b. Any alteration of the subject equipment, including a change in the method of operation, shall be reported to the District. Such alterations may require an Authority to Construct permit.
AC-13-41	10	Exceeding any of the limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, Section 400.	N	Exists at 3.H.2.b. Exceeding any limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, District Rule 507, Title V Permit to Operate, and, if necessary, a Prevention of Significant Deterioration (PSD) permit.
AC-13-41	11	In the event of a change of ownership, an application must be submitted to the District. Upon any change in control or ownership of facilities constructed, operated, or modified under authority of this permit, the requirements contained in this Authority to Construct shall be binding on all subsequent owners and operators.(Rule 501)	N	Exists at 3.H.5.a,b. In the event of a change of ownership, an application must be submitted to the District. Upon any change in control or ownership of facilities constructed, operate, or modified under authority of this permit, the requirements contained in this Permit to Operate shall be binding on all subsequent owners and operators.
AC-13-41	12	Compliance of the permitted facility is required with the provisions of the "Air Toxics 'Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).	N	Exists at 3.H.4. Compliance of the permitted facility is required with the provisions of the "Air Toxics 'Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).
AC-13-41	13	13. Title V Recordkeeping Requirements: Recordkeeping and reporting pursuant to District Rule 511, Potential To Emit, shall be performed if the facility emissions exceed any of the following in any 12 month period: A. 5 tons per year of a regulated air pollutant (excluding HAPs); B. 2 tons per year of a single HAP; C. 5 tons per year of any combination of HAPs; D. 20 percent of any lesser threshold for a single HAP that the United States Environmental Protection Agency (U.S. EPA) may establish by rule.	N	Not required for operating permit. (Rio Bravo is a Title V Facility. These conditions exist in the Title V permit.)
AC-13-41	14	14. Title V Operating Limitations: The Owner/Operator shall file an application pursuant to Rule 512, Request for Synthetic Minor Source Status or Rule 507, Federal Operating Permit Program if the facility emissions exceed any of the following in any 12 month period:	N	Not required for operating permit. (Rio Bravo is a Title V Facility. These conditions exist in the Title V permit.)

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
		A. 12.5 tons of nitrogen oxides, 12.5 tons of volatile organic compounds, 50 tons of sulfur oxides, 50 tons of PM-10 or 50 tons of carbon monoxide; B. 5 tons of a single hazardous air pollutant (HAP); C. 12.5 tons of any combination of HAPs; D. 50 percent of any lesser threshold for a single HAP as the U.S. EPA may establish by rule.		
AC-13-41	15	<p>Performance Test Requirements: If the District finds that performance tests are required to determine compliance with District Rules and Regulations and Conditions of this Authority to Construct, reasonable written notice shall be provided to the Company. The performance tests shall be subject to the following restrictions:</p> <p>A. At least thirty (30) days prior to the actual testing, a written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used. The prior written approval of the Air Pollution Control Officer is required for the use of alternate test methods.</p> <p>B. The District may require, upon reasonable written notice, the conduct by the company of such emissions testing or analysis as may be deemed necessary by the District to demonstrate compliance with District Rules and Regulations and the limiting conditions of this permit.</p> <p>C. Testing shall be conducted in accordance with 40 CFR 60, Appendix A, Methods, or equivalent methods approved by the State of California Air Resources Board (ARB) by reference in Title 17 of the California Administrative Code, or other methods specified by the company and approved in writing by the Air Pollution Control Officer. Independent testing contractors and analytical laboratories shall be Air Resources Board certified for the test or analysis conducted. Particulate matter testing, if requested, shall include both filterable and condensed particulate matter (e.g. Method 5 modified to include impinger catch).</p> <p>D. A report of the testing shall be submitted to the District no later than sixty (60) days after the source test is performed.</p>	N	<p>Not applicable to Title V permit.</p> <p>Exists at 6.A.4.c. 1. At least thirty (30) days prior to the actual testing, a written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used. The prior written approval of the Air Pollution Control Officer is required for the use of alternate test methods.</p> <p>Exists at 6.A.4.a. The District may require the conduct of any emissions testing or analysis deemed necessary to demonstrate compliance with applicable requirements. If the District determines that tests are required, a written notice will be provided to Rio Bravo.</p> <p>Exists at 6.A.4.c. 2. Independent testing contractors and analytical laboratories shall be Air Resources Board certified to perform the test or analysis conducted. 3. Testing shall be conducted as close as achievable to the maximum process rates or the permitted rates resulting in maximized air pollutant emission rates. 4. The conditions and equipment in operation during testing shall be recorded. Installed instrumentation readings for parameters affecting emission character or extent shall be recorded. 5. The test evaluation results shall be reported to the District within sixty (60) days of testing.</p>

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
AC-13-41	16	The applicant/Permittee has an obligation to defend and indemnify the District against third party challenges in accordance with District Rule 411.	N	Exists at 4.Q. Rio Bravo has an obligation to defend and indemnify the District against third party challenges in accordance with District Rule 411.
AC-11-42	Equip. 1	Water-Cooled Screw Conveyor, Mfr: Holo-Flight, Length: 20', Drive Motor: 10hp.	N	Exists at 1.B.1 Table b. Conveyors. Misc. dimensions, 7.5 to 30 hp electrically powered.
AC-11-42	Equip. 2	Water-Cooled Vibrating Conveyor, Mfr: N/A, Length: 8', Drive Motor: 5 hp	N	Exists at 1.B.1 Table b. Conveyors. Misc. dimensions, 7.5 to 30 hp electrically powered.
AC-11-42	1	This Authority to Construct authorizes the addition of a second parallel leg in the ash removal system.	N	Not applicable to Title V permit.
AC-11-42	2	All conditions of RIOB-90-01 9/25/2013 apply.	N	Not applicable to Title V permit.
AC-11-42	3	Authorization to construct the equipment listed and as prescribed in the approved plans and specifications is hereby granted, subject to the specified permit conditions. The construction and operation of listed equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted in the conditions. Deviation from the approved plans is not permissible without first securing approval for the changes from the Air Pollution Control Officer. (Rule 501)	N	Not applicable to Title V permit.
AC-11-42	4	Written notification shall be submitted to the District no later than seven (7) days after completion of construction. (Rule 501)	N	Not applicable to Title V permit.
AC-11-42	5	This permit shall be maintained on the premises of the subject equipment. (Rule 501)	N	Exists at 3.H.7. This permit shall be maintained on the premises of the subject equipment.
AC-11-42	6	The authorized District agents shall have the right of entry to any premises on which an air pollution emission source is located for the purpose of inspecting such source, including securing samples of emissions therefrom, or any records required to be maintained therewith by the District. (Rule 402)	N	Exists at 4.C. The Regional Administrator, the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted: 1. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Permit to Operate; and 2. At reasonable times to have access to, inspect and copy any records required to be kept under the terms and conditions of this Permit to Operate; and 3. To inspect any equipment at the stationary source, operation, work practices, emission related activities or method required in this Permit to Operate; and 4. To sample emissions from the source or other monitoring activities.
AC-11-42	7	In the event of any violation of the District Rules and Regulations, the company shall take action to end such violation. (Rule 502)	N	Exists at 3.I.1. In the event of any violation of the District Rules and Regulations, Rio Bravo shall take action to end such violation.

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
AC-11-42	8	The company shall notify the District within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations. (Rule 404)	N	Exists at 3.F.1. The plant manager or designee shall notify the District (per Rule 404) within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations.
AC-11-42	9	Any alteration of the subject equipment, including a change in the method of operation, shall be reported to the District. Such alterations may require an Authority to Construct Permit. (Rule 501)	N	Exists at 3.H.1.b. Any alteration of the subject equipment, including a change in the method of operation, shall be reported to the District. Such alterations may require an Authority to Construct permit.
AC-11-42	10	Exceeding any of the limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, Section 400.	N	Exists at 3.H.2.b. Exceeding any limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, District Rule 507, Title V Permit to Operate, and, if necessary, a Prevention of Significant Deterioration (PSD) permit.
AC-11-42	11	In the event of a change of ownership, an application must be submitted to the District. Upon any change in control or ownership of facilities constructed, operated, or modified under authority of this permit, the requirements contained in this Authority to Construct shall be binding on all subsequent owners and operators.(Rule 501)	N	Exists at 3.H.5.a,b. In the event of a change of ownership, an application must be submitted to the District. Upon any change in control or ownership of facilities constructed, operate, or modified under authority of this permit, the requirements contained in this Permit to Operate shall be binding on all subsequent owners and operators.
AC-11-42	12	Compliance of the permitted facility is required with the provisions of the "Air Toxics 'Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).	N	Exists at 3.H.4. Compliance of the permitted facility is required with the provisions of the "Air Toxics 'Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).
AC-11-42	13	Title V Recordkeeping Requirements: Recordkeeping and reporting pursuant to District Rule 511, Potential To Emit, shall be performed if the facility emissions exceed any of the following in any 12 month period: A. 5 tons per year of a regulated air pollutant (excluding HAPs); B. 2 tons per year of a single HAP; C. 5 tons per year of any combination of HAPs; D. 20 percent of any lesser threshold for a single HAP that the United States Environmental Protection Agency (U.S. EPA) may establish by rule.	N	Not required for operating permit. (Rio Bravo is a Title V Facility. These conditions exist in the Title V permit.)
AC-11-42	14	Title V Operating Limitations: The Owner/Operator shall file an application pursuant to Rule 512, Request for Synthetic Minor Source Status or Rule 507, Federal Operating Permit Program if the facility emissions exceed any of the following in any 12 month period:	N	Not required for operating permit. (Rio Bravo is a Title V Facility. These conditions exist in the Title V permit.)

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
		<p>A. 12.5 tons of nitrogen oxides, 12.5 tons of volatile organic compounds, 50 tons of sulfur oxides, 50 tons of PM-10 or 50 tons of carbon monoxide;</p> <p>B. 5 tons of a single hazardous air pollutant (HAP);</p> <p>C. 12.5 tons of any combination of HAPs;</p> <p>D. 50 percent of any lesser threshold for a single HAP as the U.S. EPA may establish by rule.</p>		
AC-11-42	15	<p>Performance Test Requirements: If the District finds that performance tests are required to determine compliance with District Rules and Regulations and Conditions of this Authority to Construct, reasonable written notice shall be provided to the Company. The performance tests shall be subject to the following restrictions:</p> <p>E. At least thirty (30) days prior to the actual testing, a written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used. The prior written approval of the Air Pollution Control Officer is required for the use of alternate test methods.</p> <p>F. The District may require, upon reasonable written notice, the conduct by the company of such emissions testing or analysis as may be deemed necessary by the District to demonstrate compliance with District Rules and Regulations and the limiting conditions of this permit.</p> <p>G. Testing shall be conducted in accordance with 40 CFR 60, Appendix A, Methods, or equivalent methods approved by the State of California Air Resources Board (ARB) by reference in Title 17 of the California Administrative Code, or other methods specified by the company and approved in writing by the Air Pollution Control Officer. Independent testing contractors and analytical laboratories shall be Air Resources Board certified for the test or analysis conducted. Particulate matter testing, if requested, shall include both filterable and condensed particulate matter (e.g. Method 5 modified to include impinger catch).</p> <p>H. A report of the testing shall be submitted to the District no later than sixty (60) days after the source test is performed.</p>	N	<p>Not applicable to Title V permit.</p> <p>Exists at 6.A.4.c. 1. At least thirty (30) days prior to the actual testing, a written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used. The prior written approval of the Air Pollution Control Officer is required for the use of alternate test methods.</p> <p>Exists at 6.A.4.a. The District may require the conduct of any emissions testing or analysis deemed necessary to demonstrate compliance with applicable requirements. If the District determines that tests are required, a written notice will be provided to Rio Bravo.</p> <p>Exists at 6.A.4.c. 2. Independent testing contractors and analytical laboratories shall be Air Resources Board certified to perform the test or analysis conducted. 3. Testing shall be conducted as close as achievable to the maximum process rates or the permitted rates resulting in maximized air pollutant emission rates. 4. The conditions and equipment in operation during testing shall be recorded. Installed instrumentation readings for parameters affecting emission character or extent shall be recorded. 5. The test evaluation results shall be reported to the District within sixty (60) days of testing.</p>

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
AC-11-42	16	The applicant/Permittee has an obligation to defend and indemnify the District against third party challenges in accordance with District Rule 411.	N	Exists at 4.Q. Rio Bravo has an obligation to defend and indemnify the District against third party challenges in accordance with District Rule 411.
AC-10-79	Equip.	This Facility Modification replaces the Sand Recycling System Ash and Sand Conveyor A of RIOB-90-01 Equipment #25 with a Vibra-Pro Ash and Sand Conveyor AC-107, Motor: 3 HP.	Add	New Equipment. Added to 1.2.1 Table B
AC-10-79	1	All conditions of RIOB-90-01 9/25/2013 apply.	N	Not applicable to Title V permit.
AC-10-79	2	Authorization to construct the equipment listed and as prescribed in the approved plans and specifications is hereby granted, subject to the specified permit conditions. The construction and operation of listed equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted in the conditions. Deviation from the approved plans is not permissible without first securing approval for the changes from the Air Pollution Control Officer. (Rule 501)	N	Not applicable to Title V permit.
AC-10-79	3	Written notification shall be submitted to the District no later than seven (7) days after completion of construction. (Rule 501)	N	Not applicable to Title V permit.
AC-10-79	4	This permit shall be maintained on the premises of the subject equipment. (Rule 501)	N	Exists at 3.H.7. This permit shall be maintained on the premises of the subject equipment.
AC-10-79	5	The authorized District agents shall have the right of entry to any premises on which an air pollution emission source is located for the purpose of inspecting such source, including securing samples of emissions therefrom, or any records required to be maintained therewith by the District. (Rule 402)	N	Exists at 4.C. The Regional Administrator, the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted: 1. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Permit to Operate; and 2. At reasonable times to have access to, inspect and copy any records required to be kept under the terms and conditions of this Permit to Operate; and 3. To inspect any equipment at the stationary source, operation, work practices, emission related activities or method required in this Permit to Operate; and 4. To sample emissions from the source or other monitoring activities.
AC-10-79	6	In the event of any violation of the District Rules and Regulations, the company shall take action to end such violation. (Rule 502)	N	Exists at 3.I.1. In the event of any violation of the District Rules and Regulations, Rio Bravo shall take action to end such violation.

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
AC-10-79	7	The company shall notify the District within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations. (Rule 404)	N	Exists at 3.F.1. The plant manager or designee shall notify the District (per Rule 404) within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations.
AC-10-79	8	Any alteration of the subject equipment, including a change in the method of operation, shall be reported to the District. Such alterations may require an Authority to Construct Permit. (Rule 501)	N	Exists at 3.H.1.b. Any alteration of the subject equipment, including a change in the method of operation, shall be reported to the District. Such alterations may require an Authority to Construct permit.
AC-10-79	9	Exceeding any of the limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, Section 400.	N	Exists at 3.H.2.b. Exceeding any limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, District Rule 507, Title V Permit to Operate, and, if necessary, a Prevention of Significant Deterioration (PSD) permit.
AC-10-79	10	In the event of a change of ownership, an application must be submitted to the District. Upon any change in control or ownership of facilities constructed, operated, or modified under authority of this permit, the requirements contained in this Authority to Construct shall be binding on all subsequent owners and operators.(Rule 501)	N	Exists at 3.H.5.a,b. In the event of a change of ownership, an application must be submitted to the District. Upon any change in control or ownership of facilities constructed, operate, or modified under authority of this permit, the requirements contained in this Permit to Operate shall be binding on all subsequent owners and operators.
AC-10-79	11	Compliance of the permitted facility is required with the provisions of the "Air Toxics `Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).	N	Exists at 3.H.4. Compliance of the permitted facility is required with the provisions of the "Air Toxics 'Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).
AC-10-79	12	Title V Recordkeeping Requirements: Recordkeeping and reporting pursuant to DistrictRule 511, Potential to Emit, shall be performed if the facility emissions exceed any of the following in any 12 month period: A. 5 tons per year of a regulated air pollutant (excluding HAPs); B. 2 tons per year of a single HAP; C. 5 tons per year of any combination of HAPs; D. 20 percent of any lesser threshold for a single HAP that the United States Environmental Protection Agency (U.S. EPA) may establish by rule.	N	Not required for operating permit. (Rio Bravo is a Title V Facility. These conditions exist in the Title V permit.)
AC-10-79	13	Title V Operating Limitations: The Owner/Operator shall file an application pursuant to Rule 512, Request for Synthetic Minor Source Status or Rule 507, Federal Operating AC-10-79 Page 3 of 3 Permit Program if the facility emissions exceed any of the following in any 12 month period:	N	Not required for operating permit. (Rio Bravo is a Title V Facility. These conditions exist in the Title V permit.)

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
		<p>A. 12.5 tons of nitrogen oxides, 12.5 tons of volatile organic compounds, 50 tons of sulfur oxides, 50 tons of PM-10 or 50 tons of carbon monoxide;</p> <p>B. 5 tons of a single hazardous air pollutant (HAP);</p> <p>C. 12.5 tons of any combination of HAPs;</p> <p>D. 50 percent of any lesser threshold for a single HAP as the U.S. EPA may establish by rule.</p>		
AC-10-79	14	<p>Performance Test Requirements: If the District finds that performance tests are required to determine compliance with District Rules and Regulations and Conditions of this Authority to Construct, reasonable written notice shall be provided to the Company. The performance tests shall be subject to the following restrictions:</p> <p>A. At least thirty (30) days prior to the actual testing, a written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used. The prior written approval of the Air Pollution Control Officer is required for the use of alternate test methods.</p> <p>B. The District may require, upon reasonable written notice, the conduct by the company of such emissions testing or analysis as may be deemed necessary by the District to demonstrate compliance with District Rules and Regulations and the limiting conditions of this permit.</p> <p>C. Testing shall be conducted in accordance with 40 CFR 60, Appendix A, Methods, or equivalent methods approved by the State of California Air Resources Board (ARB) by reference in Title 17 of the California Administrative Code, or other methods specified by the company and approved in writing by the Air Pollution Control Officer. Independent testing contractors and analytical laboratories shall be Air Resources Board certified for the test or analysis conducted. Particulate matter testing, if requested, shall include both filterable and condensed particulate matter (e.g. Method 5 modified to include impinger catch).</p> <p>D. A report of the testing shall be submitted to the District no later than sixty (60) days after the source test is performed.</p>	N	<p>Not applicable to Title V permit.</p> <p>Exists at 6.A.4.c. 1. At least thirty (30) days prior to the actual testing, a written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used. The prior written approval of the Air Pollution Control Officer is required for the use of alternate test methods.</p> <p>Exists at 6.A.4.a. The District may require the conduct of any emissions testing or analysis deemed necessary to demonstrate compliance with applicable requirements. If the District determines that tests are required, a written notice will be provided to Rio Bravo.</p> <p>Exists at 6.A.4.c. 2. Independent testing contractors and analytical laboratories shall be Air Resources Board certified to perform the test or analysis conducted. 3. Testing shall be conducted as close as achievable to the maximum process rates or the permitted rates resulting in maximized air pollutant emission rates. 4. The conditions and equipment in operation during testing shall be recorded. Installed instrumentation readings for parameters affecting emission character or extent shall be recorded. 5. The test evaluation results shall be reported to the District within sixty (60) days of testing.</p>

Table 4. District Permit to Operate and Authority to Construct

Permit No.	Condition No.	Condition Language	Add or Amend Permit Renewal	Evaluation Finding
AC-10-79	15	The applicant/Permittee has an obligation to defend and indemnify the District against third party challenges in accordance with District Rule 411.	N	Exists at 4.Q. Rio Bravo has an obligation to defend and indemnify the District against third party challenges in accordance with District Rule 411.