



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



SEP 18 2013

Mr. Rob Sanch
Mt Poso Cogeneration Company, LLC
P.O. Box 81256
Bakersfield, CA 93380-1256

Re: Notice of Minor Title V Permit Modification
District Facility # S-91
Project # S-1114344 & S-1120937

Dear Mr. Sanch:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued ATC #'s S-91-1-11, '-4-8, '-10-2, '-10-3, '-11-2, and '-11-3 into the Title V operating permit. These modifications allow the facility to install a biomass receiving and reclaiming yard, add a pug mill to the fly ash load out operation, and authorize existing equipment to transfer and store biomass, bottom ash, sand, and lime cake.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued ATC #'s S-91-1-11, '-4-8, '-10-2, '-10-3, '-11-2, and '-11-3, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Thank you for your cooperation in this matter.

Sincerely,

David Warner
Director of Permit Services

Enclosures

cc: Gerardo C. Rios, EPA (w/enclosure) via email

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Executive Director/Air Pollution Control Officer

TITLE V APPLICATION REVIEW

Minor Modification
Project #: S-1114344 and S-1120937

Engineer: Kris Rickards
Date: September 12, 2013

Facility Number: S-91
Facility Name: Mt Poso Cogeneration Company, LLC
Mailing Address: P.O. Box 81256
Bakersfield, CA 93380-1256

Reviewed by ASURR A QE

SEP 17 2013

Contact Name: Robert Sanch
Phone: 734-302-5383

Responsible Official: Jeffrie Wilkins
Title: Director of Operations

I. PROPOSAL

Mt Poso Cogeneration Company, LLC is proposing a Title V minor permit modification to incorporate the recently issued ATC #'s S-91-1-11, '-4-8, '-10-2, '-10-3, '-11-2, and '-11-3 into the Title V operating permit. These modifications allow the facility to install a biomass receiving and reclaiming yard, add a pug mill to the fly ash load out operation, and authorize existing equipment to transfer and store biomass, bottom ash, sand, and lime cake.

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

II. FACILITY LOCATION

The facility is located at 36157 Famoso Road in Bakersfield, CA.

III. EQUIPMENT DESCRIPTION

S-91-1-12: COAL/PETROLEUM COKE, BIOMASS, BOTTOM ASH, SAND AND LIME CAKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION

- S-91-4-9:** BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION INCLUDING PUG MILL WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 298 HP
- S-91-10-5:** BIOMASS RECEIVING, CONVEYING, SCREENING AND STORAGE OPERATION, INCLUDING ONE TRUCK TIPPER W/ HOPPERS, TWO WALKING FLOOR UNLOADING STATIONS W/ HOPPERS, ONE HAMMER MILL (HOG), FOUR TRANSFER TOWERS, ONE RADIAL STACKER, ALL SERVED BY MULTIPLE BAGHOUSES, AND AN OPEN FUEL YARD UNLOADING AREA
- S-91-11-5:** BIOMASS RECLAIMING OPERATION WITH ONE RECLAIMER, CONVEYORS, SCREEN, SCREENED FINES DISCHARGING TO TRUCK LOADOUT CONVEYOR, SCREENED FUEL CONVEYED TO COMBUSTOR FUEL BIN ALL SERVED BY BAGHOUSE, WITH ADDITIONAL FUEL LOADING ABILITY VIA FRONT END LOADER

IV. SCOPE OF EPA AND PUBLIC REVIEW

This change to a Title V permit is considered to be a minor modification and, as such, requires no public review.

V. APPLICABLE REQUIREMENTS

District Rule 2520, Federally Mandated Operating Permits (Adopted June 21, 2001)

VI. DESCRIPTION OF PROPOSED MODIFICATIONS

Permits S-91-10-5 and '-11-5 authorize the installation of a new fuel receiving and reclaiming yard; therefore, no existing Title V permit exists for these operations that requires a modification.

Modifications authorized by ATCs S-91-1-11 and '-4-8 are explained below.

S-91-1-12:

Current PTO conditions 3, 4, 5, 6, 10, 11, 22, 23, and 25 were modified to remove the description of the material ~~is~~ stored and handled as it is redundant of the equipment description and other materials will be stored in these bins:

- Operation shall include ~~coal/petroleum coke~~ a storage silo with bin vent filter, exhaust fan and enclosed 200 tph silo bucket elevator. [District Rule 2201]

- Operation shall include reclaim vibrating feeder, ring crusher, 200 tph day bin bucket elevator, one "en masse" conveyor and two ~~coal/petroleum-coke~~ storage day bins each with bin vent filter and exhaust fan. [District Rule 2201]
- Operation shall include ~~petroleum-coke~~ an unloading hopper and transfer conveyor. [District Rule 2201]
- ~~Petroleum-coke~~ unloading hopper shall be equipped with water/additive misting system, which shall be employed as needed to control dust emissions during unloading. [District Rule 2201]
- All ~~coal/petroleum-coke~~ conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District Rule 2201]
- All ~~coal/petroleum-coke~~ storage silos shall be dust-tight (no visible emissions in excess of 0% opacity) and shall vent only to fabric collector. [District Rule 2201]
- ~~Coal/petroleum-coke~~ Material handling, crushing and storage equipment (except truck enclosure) shall not be the source of emissions. [District Rule 2201]
- ~~Coal/petroleum-coke~~ Material shall not be conveyed or crushed unless ventilation system and fabric collector are operating and functioning properly. [District Rule 2201]
- ~~Petroleum-coke, coal and TDF~~ Material shall only be unloaded using the equipment specified for that purpose on this permit, for each respective fuel type. [District NSR Rule]

Permit condition 14 was modified as follows to specify the period of time visible emissions will be monitored for per Rule 4101:

- Each fabric collector shall be equipped with dust-tight (no visible emissions in excess of 0% opacity for a period or periods aggregating more than three minutes in any one hour) provisions to return collected material to process equipment. [District Rule 2201]
- There shall be no visible emissions in excess of 5% opacity for a period or periods aggregating more than three minutes in any one hour at any time from truck receiving hoppers enclosure and TDF receiving and transfer operation. [District Rule 2201]

S-91-4-9:

A current PTO condition 1 was modified to list additional equipment authorized by the ATC:

- Bottom ash collection system shall include: two enclosed screw conveyors with rotary air locks, one drag chain conveyor with rotary air locks, two surge hoppers, one 4 tph vacuum conveyor, an enclosed screen separator, enclosed oversize material bin, and one 78 ton bottom ash storage silo with cyclone followed by fabric filter (FI526). [District Rule 2201]

Current PTO conditions 12, 13, and 25 were modified and draft PTO conditions 14 and 15 were added to specify special handling of ash that has been processed by the new pug mill:

- Air displaced during truck loading of fly ash, except when loading fly ash from pug mill, shall be ventilated back through fly ash storage silo. [District Rule 2201]
- Only enclosed trucks which mate with coaxial loadout spouts shall be utilized, except when loading fly ash from pug mill. [District Rule 2201]
- Ash shall not be transferred into silos or loaded into trucks, except when loading fly ash from pug mill, unless fabric collectors are in use and functioning properly. [District Rule 2201]
- Total moisture content of fly ash processed by pug mill shall be maintained at 25% or greater, by weight. [District Rule 2201]
- The percent moisture of fly ash shall be determined by weighing an approximately 2-lb sample of fly ash exiting the pug mill, bringing the sample to dryness in a drying oven, then weighing the dried sample; the weight difference divided by the initial weight of the sample; all multiplied by 100% is the moisture content (% moisture = ((initial weight - dry weight)/initial weight) x 100%). [District Rule 2201]

Current PTO condition 20 was modified to accurately specify the type of bags being used:

- Bottom ash silo bin vent filter (FI527) shall have twenty-five 7' long x 5.75" diameter Nemex EPTFE bags. [District Rule 2201]

Permit condition 24 was modified as follows to specify the period of time visible emissions will be monitored for per Rule 4101:

- Visible emissions from any equipment authorized for these source operations shall not exceed 5% in opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201]

Permit condition 27 was modified as follows to specify the annual emissions limit and redundant language was removed (it's obvious this condition pertains to the permit for which it's listed on):

- ~~PM10 emissions from this operation~~ shall not exceed 0.0 lb/day nor 4 lb/year.
[District Rule 2201]

VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
 - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
 - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

VIII. ATTACHMENTS

- A. Proposed Modified Title V Operating Permits S-91-1-12, '-4-9, '-10-5, and '-11-5
- B. Authorities to Construct S-91-1-11, '-4-8, '-10-2, '-10-3, '-11-2, and '-11-3
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permits S-91-1-10 and '-4-6

ATTACHMENT A

Proposed Modified Title V Operating Permits
(S-91-1-12, '-4-9, '-10-5, and '-11-5)

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-1-12

EXPIRATION DATE: 08/31/2016

SECTION: 18 **TOWNSHIP:** 27S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

COAL/PETROLEUM COKE, BIOMASS, BOTTOM ASH, SAND AND LIME CAKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION

PERMIT UNIT REQUIREMENTS

1. Operation shall include two receiving hoppers in drive through enclosure with automatically closing doors at entrance, Lot Sonic Development automatically activated ST-47 Dry Fog dust suppression system with 58 nozzles and dust curtains at exit. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Operation shall include two enclosed under hopper vibrating feeders and one "en-masse" conveyor with magnetic separator. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Operation shall include a storage silo with bin vent filter, exhaust fan and enclosed 200 tph silo bucket elevator. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include reclaim vibrating feeder, ring crusher, 200 tph day bin bucket elevator, one "en masse" conveyor and two storage day bins each with bin vent filter and exhaust fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include an unloading hopper and transfer conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Unloading hopper shall be equipped with water/additive misting system, which shall be employed as needed to control dust emissions during unloading. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Operation shall include equipment to receive and transfer TDF, including: two enclosed discharge feeders, discharge conveyor, belt scale, inclined conveyors and delivery chute, all enclosed or covered. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Operation shall include Mikro-Pulseaire jet dust collector with 60 HP fan serving vibrating feeders, magnetic separator, silo and day bin bucket elevators, silo, ring crusher, "en masse" and petroleum coke transfer conveyors and day bins. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Truck receiving hopper enclosure shall be fully closed when trucks are in unloading position and spray nozzles shall be automatically activated at or prior to unloading. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
11. All storage silos shall be dust-tight (no visible emissions in excess of 0% opacity for a period or periods aggregating more than three minutes in any one hour) and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

13. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Each fabric collector shall be equipped with dust-tight (no visible emissions in excess of 0% opacity for a period or periods aggregating more than three minutes in any one hour) provisions to return collected material to process equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Each fabric collector shall automatically activate whenever process equipment served is activated. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All fabric collectors exhaust shall discharge only to CFB combustor (permit unit S-91-3) secondary combustion air manifold. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Mikro-Pulseaire filter shall have 1696 sq. ft. of filtering area (144- 10 ft. long x 4.5 in. diameter bags). [District Rule 2201] Federally Enforceable Through Title V Permit
18. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District Rule 2201] Federally Enforceable Through Title V Permit
21. There shall be no visible emissions in excess of 5% opacity for a period or periods aggregating more than three minutes in any one hour at any time from truck receiving hoppers enclosure and TDF receiving and transfer operation. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Material handling, crushing and storage equipment (except truck enclosure) shall not be the source of emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Material shall not be conveyed or crushed unless ventilation system and fabric collector are operating and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Secondary combustion air bypass stack shall be open only when CFB combustor (permit unit S-91-3) is shut down. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Material shall only be unloaded using the equipment specified for that purpose on this permit, for each respective fuel type. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Total time of fuel unloading at this permit unit and permit unit S-91-9 together shall not exceed 8 aggregate hours/day. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Permittee shall maintain a daily record of the hours of operation of fuel unloading at the enclosed truck receiving hoppers and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
28. All transfer points, coal/petroleum coke silo and day bins shall vent only to Mikro-Pulseaire bin vent filter. [District Rule 2201] Federally Enforceable Through Title V Permit
29. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 2201, 4101, and 4641] Federally Enforceable Through Title V Permit
30. PM-10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
31. PM-10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Fabric collection systems shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
34. The differential pressure across each compartment of the fabric collectors shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the fabric collectors is not between 1" and 7" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
35. Visible emissions from the operation shall be checked and record results quarterly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
36. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-4-9

EXPIRATION DATE: 08/31/2016

SECTION: SW18 **TOWNSHIP:** 27S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION INCLUDING PUG MILL WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 298 HP

PERMIT UNIT REQUIREMENTS

1. Bottom ash collection system shall include: two enclosed screw conveyors with rotary air locks, one drag chain conveyor with rotary air locks, two surge hoppers, one 4 tph vacuum conveyor, an enclosed screen separator, enclosed oversize material bin, and one 78 ton bottom ash storage silo with cyclone followed by fabric filter (FI526). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Bottom ash discharged from surge hoppers shall be conveyed via the vacuum conveyor through the cyclone and fabric filter referenced in condition 1 and shall be collected in the bottom ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The cyclone and fabric filter referenced in condition 1 shall be served by two 60 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor (S- 91-3) secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Bottom ash storage silo shall vent through bin vent fabric filter (FI527) to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Bottom ash storage silo shall be equipped with one 15 tph coaxial truck unloading spout. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Air displaced during truck loading of bottom ash shall be ventilated back through bottom ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Fly ash collection system shall include: one 8 tph vacuum conveyor and one 310 ton fly ash storage silo with cyclone and fabric filter (FI524). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Fly ash shall be conveyed from the fabric filter and air heater hoppers of the fluidized bed combustor through the cyclone and fabric filter referenced in condition 7 and shall be collected in the fly ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The cyclone and fabric filter referenced in condition 7 shall be served by two 75 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Fly ash storage silo shall vent through bin vent fabric filter (FI525) to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fly ash storage silo shall be equipped with one 35 tph coaxial truck unloading spout. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Air displaced during truck loading of fly ash, except when loading fly ash from pug mill, shall be ventilated back through fly ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

13. Only enclosed trucks which mate with coaxial loadout spouts shall be utilized, except when loading fly ash from pug mill. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total moisture content of fly ash processed by pug mill shall be maintained at 25% or greater, by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The percent moisture of fly ash shall be determined by weighing an approximately 2-lb sample of fly ash exiting the pug mill, bringing the sample to dryness in a drying oven, then weighing the dried sample; the weight difference divided by the initial weight of the sample; all multiplied by 100% is the moisture content (% moisture = ((initial weight - dry weight)/initial weight) x 100%). [District Rule 2201] Federally Enforceable Through Title V Permit
16. Operation shall include two 7.5 hp fluidizing bed blowers, serving, in common, both the bottom and fly ash storage silos. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Each ash storage silo shall be dust tight and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Each fabric collector authorized for this operation shall be equipped with an automatically activated reverse pulse jet cleaning mechanism and an operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Fabric collectors shall be equipped with dust-tight provisions to return collected material to process equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Fabric collectors exhaust shall discharge only to fluidized bed combustor secondary combustion air manifold. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Secondary combustion air bypass stack shall be open only when the fluidized bed combustor is shut down. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Bottom ash silo bin vent filter (FI527) shall have twenty-five 7' long x 5.75" diameter EPTFE bags. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Fly ash silo bin vent filter (FI525) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Fabric collector (FI524) shall have twenty-four 10' long x 5.75" diameter bags. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Fabric collector (FI526) shall have twenty-four 8' 4" long x 5.75" diameter bags. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Visible emissions from any equipment authorized for these source operations shall not exceed 5% in opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Ash shall not be transferred into silos or loaded into trucks, except when loading fly ash from pug mill, unless fabric collectors are in use and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
28. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 2201, 4101, and 4641] Federally Enforceable Through Title V Permit
29. PM10 emissions from this operation shall not exceed 0.0 lb/day nor 4 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
31. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

32. Visible emissions from operation shall be checked and record results monthly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
33. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-10-5

EXPIRATION DATE: 08/31/2016

EQUIPMENT DESCRIPTION:

BIOMASS RECEIVING, CONVEYING, SCREENING AND STORAGE OPERATION, INCLUDING ONE TRUCK TIPPER W/ HOPPERS, TWO WALKING FLOOR UNLOADING STATIONS W/ HOPPERS, ONE HAMMER MILL (HOG), FOUR TRANSFER TOWERS, ONE RADIAL STACKER, ALL SERVED BY MULTIPLE BAGHOUSES, AND AN OPEN FUEL YARD UNLOADING AREA EQUIPPED WITH PERMIT EXEMPT SURFACTANT SPRAY

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. There shall be no visible emissions of 5% opacity or greater from any point in this operation including baghouse exhaust, paved road, hoppers, conveyor transfer points, scalping screen, hammermill/hog, or stacking. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
3. Fuel truck delivery road shall be cleaned at least weekly or as needed to reduce visible emissions. [District Rule 4101] Federally Enforceable Through Title V Permit
4. Bag house 1 and 2 shall operate whenever material is being received or conveyed except when fuel is delivered by truck directly to fuel yard. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Baghouse particulate matter (PM10) emissions shall not exceed 0.003 gr/dscf. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
7. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
9. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Material received through truck tippers and walking floor station shall not exceed 3,000 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material received by truck directly to fuel yard shall not exceed 1,200 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

14. Fuel delivery trucks in truck tippers and walking floor station shall remain covered during entire unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Receiving hoppers shall be vented to baghouse #1. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Baghouse #1 shall consist of: filter model CPV-12 or equivalent equipped with 3,216 sq.ft. of filter area operating with an air volume not to exceed 18,000 scfm and filter model CPV-6 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 9,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Operation shall include belt type magnetic separator and magnetic separator take away conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Disk type scalping screen and hammermill type hog shall both be vented to baghouse #2. [District Rule 2201] Federally Enforceable Through Title V Permit
19. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Baghouse #2 shall consist of: filter model CPV-6 or equivalent equipped with 402 sq.ft. of filter area operating with an air volume not to exceed 3,000 scfm, filter model CPV-8 or equivalent equipped with 536 sq.ft. of filter area operating with an air volume not to exceed 4,000 scfm, and filter model CPV-16 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 8,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Operation shall include a radial stacker with telescoping spout equipped with a water spray ring. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Telescoping stacker shall operate the water spray ring whenever material is being stacked out and shall be maintained as close as possible to the storage pile to minimize drop distance. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
24. Emissions for this operation shall not exceed 30.5 lb-PM10/day nor 11,147 lb-PM10/year. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Records of types, amounts and origins (including copies of all purchase contracts and # of trucks) of fuels received shall be maintained and made readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Operator shall record the daily number of fuel delivery truck loads. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
28. Visible emissions from truck tipper receiving hopper ventilation pickup points, conveyor transfer points, screens, and hog enclosures (including inlet and outlet openings) shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
29. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

31. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-11-5

EXPIRATION DATE: 08/31/2016

EQUIPMENT DESCRIPTION:

BIOMASS RECLAIMING OPERATION WITH ONE RECLAIMER, CONVEYORS, SCREEN, SCREENED FINES DISCHARGING TO TRUCK LOADOUT CONVEYOR, SCREENED FUEL CONVEYED TO COMBUSTOR FUEL BIN ALL SERVED BY BAGHOUSE, WITH ADDITIONAL FUEL LOADING ABILITY VIA FRONT END LOADER

PERMIT UNIT REQUIREMENTS

1. There shall be no visible emissions of 5% opacity or greater from any point in this operation including baghouse exhaust, conveyor transfer points, reclaiming, gyratory screen, or truck loadout. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Bag house 3 shall operate whenever material is being reclaimed or conveyed via reclaimer/stacker. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Bag house 4 shall operate whenever fine material is being unloaded at truck loadout station. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Baghouse particulate matter (PM10) emissions shall not exceed 0.003 gr/dscf. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
7. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
9. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Material reclaimed via stacker/reclaimer shall not exceed 1,440 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material reclaimed via front-end loader shall not exceed 1,200 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

14. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
15. Reclaiming pickup points shall be vented to baghouse #3. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Operation shall include belt type magnetic separator at each reclaiming point magnetic separator take away conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Gyrating type screen shall be vented to baghouse #3. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Baghouse #3 shall consist of filter model CPV-6 or equivalent equipped with 2,010 sq.ft. of filter area operating with an air volume not to exceed 9,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Operation shall include a fully enclosed fine material truck loadout vented to baghouse #4. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Baghouse #4 shall consist of filter model CPV-6 or equivalent equipped with 804 sq.ft. of filter area operating with an air volume not to exceed 6,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Emissions for this operation shall not exceed 11.4 lb-PM10/day nor 4,150 lb-PM10/year. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Visible emissions from truck loadout ventilation pickup points, conveyor transfer points, and screens shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201 and 4101] Federally Enforceable Through Title V Permit
25. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
26. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Daily Records of material weight sent to fuel bin shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit

ATTACHMENT B

Authorities to Construct
(S-91-1-11, '-4-8, '-10-2, '-10-3, '-11-2,
and '-11-3)

AUTHORITY TO CONSTRUCT

PERMIT NO: S-91-1-11

ISSUANCE DATE: 08/02/2011

LEGAL OWNER OR OPERATOR: MT POSO COGENERATION COMPANY, LLC
MAILING ADDRESS: P.O. BOX 81256
BAKERSFIELD, CA 93380-1256

LOCATION: HEAVY OIL CENTRAL
CA

SECTION: 18 TOWNSHIP: 27S RANGE: 28E

EQUIPMENT DESCRIPTION:

MODIFICATION OF COAL/PETROLEUM COKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION: AUTHORIZE STORAGE AND HANDLING OF BIOMASS, BOTTOM ASH, SAND, AND LIME CAKE

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Operation shall include two receiving hoppers in drive through enclosure with automatically closing doors at entrance, Lot Sonic Development automatically activated ST-47 Dry Fog dust suppression system with 58 nozzles and dust curtains at exit. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Operation shall include two enclosed under hopper vibrating feeders and one "en-masse" conveyor with magnetic separator. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Operation shall include a storage silo with bin vent filter, exhaust fan and enclosed 200 tph silo bucket elevator. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Operation shall include reclaim vibrating feeder, ring crusher, 200 tph day bin bucket elevator, one "en masse" conveyor and two storage day bins each with bin vent filter and exhaust fan. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Operation shall include a unloading hopper and transfer conveyor. [District NSR Rule] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

7. Unloading hopper shall be equipped with water/additive misting system, which shall be employed as needed to control dust emissions during unloading. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Operation shall include equipment to receive and transfer TDF, including: two enclosed discharge feeders, discharge conveyor, belt scale, inclined conveyors and delivery chute, all enclosed or covered. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Operation shall include Mikro-Pulseaire jet dust collector with 60 HP fan serving vibrating feeders, magnetic separator, silo and day bin bucket elevators, silo, ring crusher, "en masse" and petroleum coke transfer conveyors and day bins. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Truck receiving hopper enclosure shall be fully closed when trucks are in unloading position and spray nozzles shall be automatically activated at or prior to unloading. [District NSR Rule] Federally Enforceable Through Title V Permit
11. All conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
12. All storage silos shall be dust-tight (no visible emissions in excess of 0% opacity for a period or periods aggregating more than three minutes in any one hour) and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Each fabric collector shall be equipped with dust-tight (no visible emissions in excess of 0% opacity for a period or periods aggregating more than three minutes in any one hour) provisions to return collected material to process equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Each fabric collector shall automatically activate whenever process equipment served is activated. [District NSR Rule] Federally Enforceable Through Title V Permit
17. All fabric collectors exhaust shall discharge only to CFB combustor (permit unit S-91-3) secondary combustion air manifold. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Mikro-Pulseaire filter shall have 1696 sq. ft. of filtering area (144- 10 ft. long x 4.5 in. diameter bags). [District NSR Rule] Federally Enforceable Through Title V Permit
19. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District NSR Rule] Federally Enforceable Through Title V Permit
21. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District NSR Rule] Federally Enforceable Through Title V Permit
22. There shall be no visible emissions in excess of 5% opacity for a period or periods aggregating more than three minutes in any one hour at any time from truck receiving hoppers enclosure and TDF receiving and transfer operation. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Material handling, crushing and storage equipment (except truck enclosure) shall not be the source of emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
24. Material shall not be conveyed or crushed unless ventilation system and fabric collector are operating and functioning properly. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Secondary combustion air bypass stack shall be open only when CFB combustor (permit unit S-91-3) is shut down. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Material shall only be unloaded using the equipment specified for that purpose on this permit, for each respective fuel type. [District NSR Rule] Federally Enforceable Through Title V Permit

27. Total time of fuel unloading at this permit unit and permit unit S-91- 9-1 together shall not exceed 8 aggregate hours/day. [District NSR Rule] Federally Enforceable Through Title V Permit
28. Permittee shall maintain a daily record of the hours of operation of fuel unloading at the enclosed truck receiving hoppers and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
29. All transfer points, coal/petroleum coke silo and day bins shall vent only to Mikro-Pulseaire bin vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
30. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 4101 and 4641 and District NSR Rule] Federally Enforceable Through Title V Permit
31. PM-10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
32. PM-10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
33. Fabric collection systems shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
34. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
35. The differential pressure across each compartment of the fabric collectors shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the fabric collectors is not between 1" and 7" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
36. Visible emissions from the operation shall be checked and record results quarterly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
37. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

AUTHORITY TO CONSTRUCT

PERMIT NO: S-91-4-8

ISSUANCE DATE: 10/20/2011

LEGAL OWNER OR OPERATOR: MT POSO COGENERATION COMPANY, LLC
MAILING ADDRESS: P.O. BOX 81256
BAKERSFIELD, CA 93380-1256

LOCATION: HEAVY OIL CENTRAL
CA

SECTION: SW18 TOWNSHIP: 27S RANGE: 28E

EQUIPMENT DESCRIPTION:

MODIFICATION OF BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 285 HP: ADD A PUG MILL TO THE FLY ASH LOAD OUT OPERATION AND INCREASE MOTOR HORSEPOWER TO NOT EXCEED 298

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Bottom ash collection system shall include: two enclosed screw conveyors with rotary air locks, one drag chain conveyor with rotary air locks, two surge hoppers, one 4 tph vacuum conveyor, an enclosed screen separator, enclosed oversize material bin, and one 78 ton bottom ash storage silo with cyclone followed by fabric filter (FI526). [District Rule 2201]
3. Bottom ash discharged from surge hoppers shall be conveyed via the vacuum conveyor through the cyclone and fabric filter referenced in condition 1 and shall be collected in the bottom ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The cyclone and fabric filter referenced in condition 1 shall be served by two 60 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor (S- 91-3) secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Bottom ash storage silo shall vent through bin vent fabric filter (FI527) to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

6. Bottom ash storage silo shall be equipped with one 15 tph coaxial truck unloading spout. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Air displaced during truck loading of bottom ash shall be ventilated back through bottom ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Fly ash collection system shall include: one 8 tph vacuum conveyor and one 310 ton fly ash storage silo with cyclone and fabric filter (FI524). [District Rule 2201]
9. Fly ash shall be conveyed from the fabric filter and air heater hoppers of the fluidized bed combustor through the cyclone and fabric filter referenced in condition 7 and shall be collected in the fly ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The cyclone and fabric filter referenced in condition 7 shall be served by two 75 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fly ash storage silo shall vent through bin vent fabric filter (FI525) to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fly ash storage silo shall be equipped with one 35 tph coaxial truck unloading spout. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Air displaced during truck loading of fly ash, except when loading fly ash from pug mill, shall be ventilated back through fly ash storage silo. [District Rule 2201]
14. Only enclosed trucks which mate with coaxial loadout spouts shall be utilized, except when loading fly ash from pug mill. [District Rule 2201]
15. Total moisture content of fly ash processed by pug mill shall be maintained at 25% or greater, by weight. [District Rule 2201]
16. The percent moisture of fly ash shall be determined by weighing an approximately 2-lb sample of fly ash exiting the pug mill, bringing the sample to dryness in a drying oven, then weighing the dried sample; the weight difference divided by the initial weight of the sample; all multiplied by 100% is the moisture content (% moisture = ((initial weight - dry weight)/initial weight) x 100%). [District Rule 2201]
17. Operation shall include two 7.5 hp fluidizing bed blowers, serving, in common, both the bottom and fly ash storage silos. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Each ash storage silo shall be dust tight and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Each fabric collector authorized for this operation shall be equipped with an automatically activated reverse pulse jet cleaning mechanism and an operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Fabric collectors shall be equipped with dust-tight provisions to return collected material to process equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Fabric collectors exhaust shall discharge only to fluidized bed combustor secondary combustion air manifold. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Secondary combustion air bypass stack shall be open only when the fluidized bed combustor is shut down. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Bottom ash silo bin vent filter (FI527) shall have twenty-five 7' long x 5.75" diameter EPTFE bags. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Fly ash silo bin vent filter (FI525) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Fabric collector (FI524) shall have twenty-four 10' long x 5.75" diameter bags. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

26. Fabric collector (FI526) shall have twenty-four 8' 4" long x 5.75" diameter bags. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Visible emissions from any equipment authorized for these source operations shall not exceed 5% in opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Ash shall not be transferred into silos or loaded into trucks, except when loading fly ash from pug mill, unless fabric collectors are in use and functioning properly. [District Rule 2201]
29. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 2201, 4101, and 4641] Federally Enforceable Through Title V Permit
30. PM10 emissions from this operation shall not exceed 0.0 lb/day nor 4 lb/year. [District Rule 2201]
31. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
32. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
33. Visible emissions from operation shall be checked and record results monthly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
34. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

AUTHORITY TO CONSTRUCT

PERMIT NO: S-91-10-2

ISSUANCE DATE: 10/20/2011

LEGAL OWNER OR OPERATOR: MT POSO COGENERATION COMPANY, LLC
MAILING ADDRESS: P.O. BOX 81256
BAKERSFIELD, CA 93380-1256

LOCATION: HEAVY OIL CENTRAL
CA

EQUIPMENT DESCRIPTION:

BIOMASS RECEIVING, CONVEYING, SCREENING AND STORAGE OPERATION, INCLUDING ONE TRUCK TIPPER W/ HOPPERS, TWO WALKING FLOOR UNLOADING STATION W/ HOPPERS, ONE HAMMER MILL (HOG), AND FOUR TRANSFER TOWERS, ALL SERVED BY MULTIPLE BAGHOUSES, AND AN OPEN FUEL YARD UNLOADING AREA

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Authority to Construct (ATC) S-91-3-15 shall be implemented concurrently with this ATC. [District Rule 2201]
3. Authority to Construct (ATC) S-91-10-1 shall be cancelled upon issuance of this ATC. [District Rule 2201]
4. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this ATC. Approval of the equivalent equipment shall be made in writing and only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the authorized equipment [District Rule 2010]
5. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emissions rates, equipment drawing(s) and operational characteristics/parameters [District Rule 2010]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. There shall be no visible emissions of 5% opacity or greater from any point in this operation including baghouse exhaust, paved road, hoppers, conveyor transfer points, scalping screen, hammermill/hog, or stacking/unloading. [District Rules 2201 and 4101]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

S-91-10-2 : Sep 12 2013 10:38AM -- RICKARDK : Joint Inspection Required with RICKARDK

Southern Regional Office • 34946 Flyover Court • Bakersfield, CA 93308 • (661) 392-5500 • Fax (661) 392-5585

8. Fuel truck delivery road shall be cleaned at least weekly or as needed to reduce visible emissions. [District Rule 4101]
9. Bag house 1 and 2 shall operate whenever material is being received or conveyed except when fuel is delivered by truck directly to fuel yard. [District Rule 2201]
10. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201]
11. Baghouse particulate matter (PM10) emissions shall not exceed 0.003 gr/dscf. [District Rules 2201 and 4201]
12. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201]
13. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081]
14. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201]
15. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201]
16. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201]
17. Material received through truck tippers and walking floor station shall not exceed 3,000 dry tons/day. [District Rule 2201]
18. Material received by truck directly to fuel yard shall not exceed 1,200 dry tons/day. [District Rule 2201]
19. Fuel delivery trucks in truck tippers and walking floor station shall remain covered during entire unloading operation. [District Rule 2201]
20. Receiving hoppers shall be vented to baghouse #1. [District Rule 2201]
21. Baghouse #1 shall consist of: filter model CPV-12 or equivalent equipped with 3,216 sq.ft. of filter area operating with an air volume not to exceed 18,000 scfm and filter model CPV-6 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 9,000 scfm. [District Rule 2201]
22. Operation shall include belt type magnetic separator and magnetic separator take away conveyor. [District Rule 2201]
23. Disk type scalping screen and hammermill type hog shall both be vented to baghouse #2. [District Rule 2201]
24. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201]
25. Baghouse #2 shall consist of: filter model CPV-6 or equivalent equipped with 402 sq.ft. of filter area operating with an air volume not to exceed 3,000 scfm, filter model CPV-8 or equivalent equipped with 536 sq.ft. of filter area operating with an air volume not to exceed 4,000 scfm, and filter model CPV-16 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 8,000 scfm. [District Rule 2201]
26. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102]
27. Emissions for this operation shall not exceed 27.2 lb-PM10/day nor 9,943 lb-PM10/year. [District Rule 2201]
28. Records of types, amounts and origins (including copies of all purchase contracts and # of trucks) of fuels received shall be maintained and made readily available for District inspection upon request. [District Rule 2201]
29. Operator shall record the daily number of fuel delivery truck loads. [District Rule 2201]
30. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 2201 and 4101]
31. Visible emissions from truck tipper receiving hopper ventilation pickup points, conveyor transfer points, screens, and hog enclosures (including inlet and outlet openings) shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 2201 and 4101]

CONDITIONS CONTINUE ON NEXT PAGE

32. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2201]
33. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2201]
34. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201]

AUTHORITY TO CONSTRUCT

PERMIT NO: S-91-10-3

ISSUANCE DATE: 10/20/2011

LEGAL OWNER OR OPERATOR: MT POSO COGENERATION COMPANY, LLC

MAILING ADDRESS: P.O. BOX 81256
BAKERSFIELD, CA 93380-1256

LOCATION: HEAVY OIL CENTRAL
CA

EQUIPMENT DESCRIPTION:

BIOMASS RECEIVING, CONVEYING, SCREENING AND STORAGE OPERATION, INCLUDING ONE TRUCK TIPPER W/ HOPPERS, TWO WALKING FLOOR UNLOADING STATIONS W/ HOPPERS, ONE HAMMER MILL (HOG), FOUR TRANSFER TOWERS, ONE RADIAL STACKER, ALL SERVED BY MULTIPLE BAGHOUSES, AND AN OPEN FUEL YARD UNLOADING AREA

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Authority to Construct (ATC) S-91-10-2 shall be implemented concurrently with or prior to this ATC. [District Rule 2201]
3. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this ATC. Approval of the equivalent equipment shall be made in writing and only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the authorized equipment [District Rule 2010]
4. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emissions rates, equipment drawing(s) and operational characteristics/parameters [District Rule 2010]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. There shall be no visible emissions of 5% opacity or greater from any point in this operation including baghouse exhaust, paved road, hoppers, conveyor transfer points, scalping screen, hammermill/hog, or stacking. [District Rules 2201 and 4101]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

7. Fuel truck delivery road shall be cleaned at least weekly or as needed to reduce visible emissions. [District Rule 4101]
8. Bag house 1 and 2 shall operate whenever material is being received or conveyed except when fuel is delivered by truck directly to fuel yard. [District Rule 2201]
9. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201]
10. Baghouse particulate matter (PM10) emissions shall not exceed 0.003 gr/dscf. [District Rules 2201 and 4201]
11. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201]
12. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081]
13. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201]
14. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201]
15. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201]
16. Material received through truck tippers and walking floor station shall not exceed 3,000 dry tons/day. [District Rule 2201]
17. Material received by truck directly to fuel yard shall not exceed 1,200 dry tons/day. [District Rule 2201]
18. Fuel delivery trucks in truck tippers and walking floor station shall remain covered during entire unloading operation. [District Rule 2201]
19. Receiving hoppers shall be vented to baghouse #1. [District Rule 2201]
20. Baghouse #1 shall consist of: filter model CPV-12 or equivalent equipped with 3,216 sq.ft. of filter area operating with an air volume not to exceed 18,000 scfm and filter model CPV-6 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 9,000 scfm. [District Rule 2201]
21. Operation shall include belt type magnetic separator and magnetic separator take away conveyor. [District Rule 2201]
22. Disk type scalping screen and hammermill type hog shall both be vented to baghouse #2. [District Rule 2201]
23. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201]
24. Baghouse #2 shall consist of: filter model CPV-6 or equivalent equipped with 402 sq.ft. of filter area operating with an air volume not to exceed 3,000 scfm, filter model CPV-8 or equivalent equipped with 536 sq.ft. of filter area operating with an air volume not to exceed 4,000 scfm, and filter model CPV-16 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 8,000 scfm. [District Rule 2201]
25. Operation shall include a radial stacker with telescoping spout equipped with a water spray ring. [District Rule 2201]
26. Telescoping stacker shall operate the water spray ring whenever material is being stacked out and shall be maintained as close as possible to the storage pile to minimize drop distance. [District Rule 2201]
27. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102]
28. Emissions for this operation shall not exceed 30.5 lb-PM10/day nor 11,147 lb-PM10/year. [District Rule 2201]
29. Records of types, amounts and origins (including copies of all purchase contracts and # of trucks) of fuels received shall be maintained and made readily available for District inspection upon request. [District Rule 2201]
30. Operator shall record the daily number of fuel delivery truck loads. [District Rule 2201]
31. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 2201 and 4101]

CONDITIONS CONTINUE ON NEXT PAGE

32. Visible emissions from truck tipper receiving hopper ventilation pickup points, conveyor transfer points, screens, and hog enclosures (including inlet and outlet openings) shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 2201 and 4101]
33. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2201]
34. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2201]
35. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201]

AUTHORITY TO CONSTRUCT

PERMIT NO: S-91-11-2

ISSUANCE DATE: 10/20/2011

LEGAL OWNER OR OPERATOR: MT POSO COGENERATION COMPANY, LLC

MAILING ADDRESS: P.O. BOX 81256
BAKERSFIELD, CA 93380-1256

LOCATION: HEAVY OIL CENTRAL
CA

EQUIPMENT DESCRIPTION:

BIOMASS RECLAIMING OPERATION WITH FUEL LOADING VIA FRONT END LOADER

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Authority to Construct (ATC) S-91-3-15 shall be implemented concurrently with this ATC. [District Rule 2201]
3. Authority to Construct (ATC) S-91-11-1 shall be cancelled upon issuance of this ATC. [District Rule 2201]
4. There shall be no visible emissions of 5% opacity or greater for more than 3 minutes in any one hour from any point in this operation. [District Rules 2201 and 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102]
7. Material reclaimed shall not exceed 1,200 dry tons/day. [District Rule 2201]
8. Emissions for this operation shall not exceed 1.3 lb-PM10/day nor 482 lb-PM10/year. [District Rule 2201]
9. Daily Records of material weight sent to the combustor fuel bin shall be maintained. [District Rule 2201]

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

AUTHORITY TO CONSTRUCT

PERMIT NO: S-91-11-3

ISSUANCE DATE: 10/20/2011

LEGAL OWNER OR OPERATOR: MT POSO COGENERATION COMPANY, LLC
MAILING ADDRESS: P.O. BOX 81256
BAKERSFIELD, CA 93380-1256

LOCATION: HEAVY OIL CENTRAL
CA

EQUIPMENT DESCRIPTION:

BIOMASS RECLAIMING OPERATION WITH ONE RECLAIMER, CONVEYORS, SCREEN, SCREENED FINES DISCHARGING TO TRUCK LOADOUT CONVEYOR, SCREENED FUEL CONVEYED TO COMBUSTOR FUEL BIN ALL SERVED BY BAGHOUSE, WITH ADDITIONAL FUEL LOADING ABILITY VIA FRONT END LOADER

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Authority to Construct (ATC) S-91-11-2 shall be implemented concurrently with or prior to this ATC. [District Rule 2201]
3. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this ATC. Approval of the equivalent equipment shall be made in writing and only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the authorized equipment [District Rule 2010]
4. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emissions rates, equipment drawing(s) and operational characteristics/parameters [District Rule 2010]
5. There shall be no visible emissions of 5% opacity or greater from any point in this operation including baghouse exhaust, conveyor transfer points, reclaiming, gyratory screen, or truck loadout. [District Rules 2201 and 4101]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. Bag house 3 shall operate whenever material is being reclaimed or conveyed via reclaimer/stacker. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

8. Bag house 4 shall operate whenever fine material is being unloaded at truck loadout station. [District Rule 2201]
9. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201]
10. Baghouse particulate matter (PM10) emissions shall not exceed 0.003 gr/dscf. [District Rules 2201 and 4201]
11. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201]
12. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081]
13. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201]
14. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201]
15. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201]
16. Material reclaimed via stacker/reclaimer shall not exceed 1,440 dry tons/day. [District Rule 2201]
17. Material reclaimed via front-end loader shall not exceed 1,200 dry tons/day. [District Rule 2201]
18. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102]
19. Reclaiming pickup points shall be vented to baghouse #3. [District Rule 2201]
20. Operation shall include belt type magnetic separator at each reclaiming point magnetic separator take away conveyor. [District Rule 2201]
21. Gyrating type screen shall be vented to baghouse #3. [District Rule 2201]
22. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201]
23. Baghouse #3 shall consist of filter model CPV-6 or equivalent equipped with 2,010 sq.ft. of filter area operating with an air volume not to exceed 9,000 scfm. [District Rule 2201]
24. Operation shall include a fully enclosed fine material truck loadout vented to baghouse #4. [District Rule 2201]
25. Baghouse #4 shall consist of filter model CPV-6 or equivalent equipped with 804 sq.ft. of filter area operating with an air volume not to exceed 6,000 scfm. [District Rule 2201]
26. Emissions for this operation shall not exceed 11.4 lb-PM10/day nor 4,150 lb-PM10/year. [District Rule 2201]
27. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2]
28. Visible emissions from truck loadout ventilation pickup points, conveyor transfer points, and screens shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2201 and 4101]
29. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rules 2201 and 4101]
30. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2201]
31. Daily Records of material weight sent to fuel bin shall be maintained. [District Rule 2201]
32. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201]

ATTACHMENT C

Emissions Increases

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
S-91-1	0	0	0	0	0
S-91-4	0	0	0	0	0
S-91-11	0	0	0	0	0
S-91-12	0	0	0	0	0
TOTAL	0	0	0	0	0

ATTACHMENT D

Application

San Joaquin Valley Air Pollution Control District

www.valleyair.org

RECEIVED

MAR 26 2012

Permit Application For:

**SJVAPCD
Southern Region**

[] ADMINISTRATIVE AMENDMENT [X] MINOR MODIFICATION [] SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: <p style="text-align: center;">Mt Poso Cogeneration Company, LLC</p>		
2. MAILING ADDRESS: STREET/P.O. BOX: <u>P.O. Box 81256</u> CITY: <u>Bakersfield</u> STATE: <u>CA</u> 9-DIGIT ZIP CODE: <u>93380-1256</u>		
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: <u>36157 Famoso Road</u> CITY: <u>Bakersfield</u> <u>18</u> ¼ SECTION TOWNSHIP <u>27S</u> RANGE <u>28E</u>		INSTALLATION DATE:
4. GENERAL NATURE OF BUSINESS: Cogeneration of electricity and steam		
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) Incorporate ATCs S-91-10-3 and S-91-11-3 into the Title V permit.		
6. TYPE OR PRINT NAME OF APPLICANT: Robert Sanch		TITLE OF APPLICANT: Environmental Engineer
7. SIGNATURE OF APPLICANT: 	DATE: March 20, 2012	PHONE: (734) 302-5383 FAX: (734) 302-5330 EMAIL: sanchr@dteenergy.com

For APCD Use Only: NO \$

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____
	DATE PAID: _____
	PROJECT NO: <u>S-1120937</u> FACILITY ID: <u>S-91</u>

San Joaquin Valley
Unified Air Pollution Control District

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

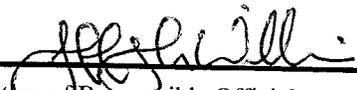
- SIGNIFICANT PERMIT MODIFICATION
 MINOR PERMIT MODIFICATION
 ADMINISTRATIVE AMENDMENT

COMPANY NAME: Mt Poso Cogeneration Company, LLC	FACILITY ID: S-91
1. Type of Organization: <input type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility <input checked="" type="checkbox"/> Limited Liability Company	
2. Owner's Name: Jeffrey Wilkins	
3. Agent to the Owner: William Dickson	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:


Signature of Responsible Official

3-27-2012
Date

Jeffrey L. Wilkins
Name of Responsible Official (please print)

Director of Operations, DTEES
Title of Responsible Official (please print)

San Joaquin Valley Air Pollution Control District

www.valleyair.org

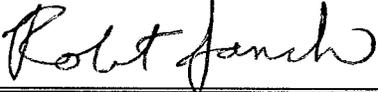
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OCT 26 2011

Permit Application For:

SJVAPCD
Southern Region

[] ADMINISTRATIVE AMENDMENT [X] MINOR MODIFICATION [] SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: <p style="text-align: center;">Mt Poso Cogeneration Company, LLC</p>	
2. MAILING ADDRESS: STREET/P.O. BOX: <u>P.O. Box 81256</u> CITY: <u>Bakersfield</u> STATE: <u>CA</u> 9-DIGIT ZIP CODE: <u>93380-1256</u>	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: <u>36157 Famoso Road</u> CITY: <u>Bakersfield</u> <u> </u> ¼ SECTION <u>18</u> TOWNSHIP <u>27S</u> RANGE <u>28E</u>	INSTALLATION DATE:
4. GENERAL NATURE OF BUSINESS: Cogeneration of electricity and steam	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) Incorporate ATCs S-91-1-11, S-91-4-8, S-91-10-2 and S-91-11-2 into the Title V permit.	
6. TYPE OR PRINT NAME OF APPLICANT: Robert Sanch	TITLE OF APPLICANT: Environmental Engineer
7. SIGNATURE OF APPLICANT: 	DATE: October 25, 2011 PHONE: (734) 302-5383 FAX: (734) 302-5330 EMAIL: sanchr@dteenergy.com

For APCD Use Only:

Title V - Minor Mod

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____
	DATE PAID: _____
	PROJECT NO: <u>S-1114344</u> FACILITY ID: <u>S-91</u>

RECEIVED
OCT 26 2011
SJVAPCD
Southern Region

San Joaquin Valley
Unified Air Pollution Control District

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

- SIGNIFICANT PERMIT MODIFICATION ADMINISTRATIVE
 MINOR PERMIT MODIFICATION AMENDMENT

COMPANY NAME: Mt Poso Cogeneration Company, LLC	FACILITY ID: S →91
1. Type of Organization: <input type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility <input checked="" type="checkbox"/> Limited Liability Company	
2. Owner's Name: Jeffrey Wilkins	
3. Agent to the Owner: William Dickson	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

Jeffrey H. Wilkins
Signature of Responsible Official

10-25-2011
Date

Jeffrey H. Wilkins
Name of Responsible Official (please print)

Director of Operations
Title of Responsible Official (please print)

ATTACHMENT E

Previous Title V Operating Permits
(S-91-1-10 and '-4-6)

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-1-10

EXPIRATION DATE: 08/31/2016

SECTION: 18 **TOWNSHIP:** 27S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

COAL/PETROLEUM COKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION

PERMIT UNIT REQUIREMENTS

1. Operation shall include two receiving hoppers in drive through enclosure with automatically closing doors at entrance, Lot Sonic Development automatically activated ST-47 Dry Fog dust suppression system with 58 nozzles and dust curtains at exit. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Operation shall include two enclosed under hopper vibrating feeders and one "en-masse" conveyor with magnetic separator. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Operation shall include coal/petroleum coke storage silo with bin vent filter, exhaust fan and enclosed 200 tph silo bucket elevator. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Operation shall include reclaim vibrating feeder, ring crusher, 200 tph day bin bucket elevator, one "en masse" conveyor and two coal/ petroleum coke storage day bins each with bin vent filter and exhaust fan. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Operation shall include petroleum coke unloading hopper and transfer conveyor. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Petroleum coke unloading hopper shall be equipped with water/additive misting system, which shall be employed as needed to control dust emissions during unloading. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Operation shall include equipment to receive and transfer TDF, including: two enclosed discharge feeders, discharge conveyor, belt scale, inclined conveyors and delivery chute, all enclosed or covered. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Operation shall include Mikro-Pulseaire jet dust collector with 60 HP fan serving vibrating feeders, magnetic separator, silo and day bin bucket elevators, silo, ring crusher, "en masse" and petroleum coke transfer conveyors and day bins. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Truck receiving hopper enclosure shall be fully closed when trucks are in unloading position and spray nozzles shall be automatically activated at or prior to unloading. [District NSR Rule] Federally Enforceable Through Title V Permit
10. All coal/petroleum coke conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
11. All coal/petroleum coke storage silos shall be dust-tight (no visible emissions in excess of 0% opacity) and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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14. Each fabric collector shall be equipped with dust-tight (no visible emissions in excess of 0% opacity) provisions to return collected material to process equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Each fabric collector shall automatically activate whenever process equipment served is activated. [District NSR Rule] Federally Enforceable Through Title V Permit
16. All fabric collectors exhaust shall discharge only to CFB combustor (permit unit S-91-3) secondary combustion air manifold. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Mikro-Pulseaire filter shall have 1696 sq. ft. of filtering area (144- 10 ft. long x 4.5 in. diameter bags). [District NSR Rule] Federally Enforceable Through Title V Permit
18. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District NSR Rule] Federally Enforceable Through Title V Permit
21. There shall be no visible emissions in excess of 5% opacity at any time from truck receiving hoppers enclosure and TDF receiving and transfer operation. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Coal/petroleum coke handling, crushing and storage equipment (except truck enclosure) shall not be the source of emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Coal/petroleum coke shall not be conveyed or crushed unless ventilation system and fabric collector are operating and functioning properly. [District NSR Rule] Federally Enforceable Through Title V Permit
24. Secondary combustion air bypass stack shall be open only when CFB combustor (permit unit S-91-3) is shut down. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Petroleum coke, coal and TDF shall only be unloaded using the equipment specified for that purpose on this permit, for each respective fuel type. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Total time of fuel unloading at this permit unit and permit unit S-91- 9 together shall not exceed 8 aggregate hours/day. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Permittee shall maintain a daily record of the hours of operation of fuel unloading at the enclosed truck receiving hoppers and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
28. All transfer points, coal/petroleum coke silo and day bins shall vent only to Mikro-Pulseaire bin vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
29. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 4101 and 4641 and District NSR Rule] Federally Enforceable Through Title V Permit
30. PM-10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
31. PM-10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
32. Fabric collection systems shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
33. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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34. The differential pressure across each compartment of the fabric collectors shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the fabric collectors is not between 1" and 7" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
35. Visible emissions from the operation shall be checked and record results quarterly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
36. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-4-6

EXPIRATION DATE: 08/31/2016

SECTION: SW18 **TOWNSHIP:** 27S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 285 HP

PERMIT UNIT REQUIREMENTS

1. Bottom ash collection system shall include: two enclosed screw conveyors with rotary air locks, two surge hoppers, one 4 tph vacuum conveyor, and one 78 ton bottom ash storage silo with cyclone followed by fabric filter (FI526). [District NSR Rule] Federally Enforceable Through Title V Permit
2. Bottom ash discharged from surge hoppers shall be conveyed via the vacuum conveyor through the cyclone and fabric filter referenced in condition 1 and shall be collected in the bottom ash storage silo. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The cyclone and fabric filter referenced in condition 1 shall be served by two 60 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor (S- 91-3) secondary combustion air fan. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Bottom ash storage silo shall vent through bin vent fabric filter (FI527) to the fluidized bed combustor secondary combustion air fan. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Bottom ash storage silo shall be equipped with one 15 tph coaxial truck unloading spout. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Air displaced during truck loading of bottom ash shall be ventilated back through bottom ash storage silo. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Fly ash collection system shall include: one 8 tph vacuum conveyor and one 310 ton fly ash storage silo with cyclone and fabric filter (FI524). [District NSR Rule] Federally Enforceable Through Title V Permit
8. Fly ash shall be conveyed from the fabric filter and air heater hoppers of the fluidized bed combustor through the cyclone and fabric filter referenced in condition 7 and shall be collected in the fly ash storage silo. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The cyclone and fabric filter referenced in condition 7 shall be served by two 75 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor secondary combustion air fan. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Fly ash storage silo shall vent through bin vent fabric filter (FI525) to the fluidized bed combustor secondary combustion air fan. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Fly ash storage silo shall be equipped with one 35 tph coaxial truck unloading spout. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Air displaced during truck loading of fly ash shall be ventilated back through fly ash storage silo. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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13. Only enclosed trucks which mate with coaxial loadout spouts shall be utilized. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Operation shall include two 7.5 hp fluidizing bed blowers, serving, in common, both the bottom and fly ash storage silos. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Each ash storage silo shall be dust tight and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Each fabric collector authorized for this operation shall be equipped with an automatically activated reverse pulse jet cleaning mechanism and an operational differential pressure indicator across each compartment. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Fabric collectors shall be equipped with dust-tight provisions to return collected material to process equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Fabric collectors exhaust shall discharge only to fluidized bed combustor secondary combustion air manifold. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Secondary combustion air bypass stack shall be open only when the fluidized bed combustor is shut down. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Bottom ash silo bin vent filter (FI527) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District NSR Rule] Federally Enforceable Through Title V Permit
21. Fly ash silo bin vent filter (FI525) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Fabric collector (FI524) shall have twenty-four 10' long x 5.75" diameter bags. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Fabric collector (FI526) shall have twenty-four 8' 4" long x 5.75" diameter bags. [District NSR Rule] Federally Enforceable Through Title V Permit
24. Visible emissions from any equipment authorized for these source operations shall not exceed 5% in opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Ash shall not be transferred into silos or loaded into trucks unless fabric collectors are in use and functioning properly. [District NSR Rule] Federally Enforceable Through Title V Permit
26. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 4101 and 4641 and District NSR Rule] Federally Enforceable Through Title V Permit
27. PM10 emissions shall not exceed 0.00 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
28. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
29. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
30. Visible emissions from operation shall be checked and record results monthly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
31. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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