



MAR 09 2011

Mark Kehoe
Hanford LP
4300 Railroad Ave
Pittsburg, CA 94565

**Re: Notice of Minor Title V Permit Modification
District Facility # C-603
Project # C-1103157**

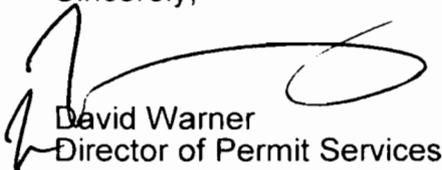
Dear Mr. Kehoe:

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 Authority to Construct permits C-603-1-10 and '15-0 into the Title V operating permit. The modifications were to install a sodium bicarbonate/sorbent injection system and sodium bicarbonate storage silo with loading system respectively.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authority to Construct permits C-603-1-10 and '15-0, 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.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Jim Swaney at (559) 230-5900.

Sincerely,


David Warner
Director of Permit Services

Enclosures

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



MAR 09 2011

Gerardo C. Rios, Chief
Permits Office
Air Division
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

Re: **Notice of Minor Title V Permit Modification**
District Facility # C-603
Project # C-1103157

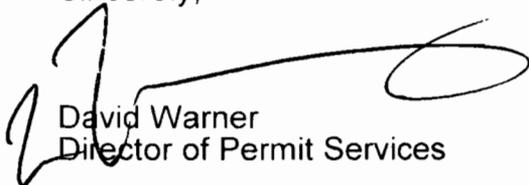
Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. Hanford LP is proposing a Title V minor permit modification to incorporate the recently issued Authority to Construct permits C-603-1-10 and '15-0 into the Title V operating permit. The modifications were to install a sodium bicarbonate/sorbent injection system and sodium bicarbonate storage silo with loading system respectively.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authority to Construct permits C-603-1-10 and '15-0, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Jim Swaney at (559) 230-5900.

Sincerely,



David Warner
Director of Permit Services

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TITLE V APPLICATION REVIEW

Minor Modification
Project #: C-1103157

Engineer: Tim Bush
Date: October 14, 2010

Facility Number: C-603
Facility Name: Hanford LP
Mailing Address: 4300 Railroad Ave
Pittsburg, CA 94565

Contact Name: Mark Kehoe
Phone: (925) 431-1440

Responsible Official: Mark Kehoe
Title: Director, Environmental and Safety Programs

I. PROPOSAL

Hanford LP is proposing a Title V minor permit modification to incorporate the recently issued Authority to Construct permits C-603-1-10 and '15-0 into the Title V operating permit. The modifications were to install a sodium bicarbonate/sorbent injection system into the fluidized bed combustor and sodium bicarbonate silo with loading system, respectively.

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 10596 Idaho Ave in Hanford, CA.

III. EQUIPMENT DESCRIPTION

C-603-1-11: 30 MW FLUIDIZED BED COMBUSTOR FUELED BY PETROLEUM COKE, NATURAL GAS, AND NO. 2 FUEL OIL UP TO 320 MMBTU/HR

C-603-15-1: 10,473 GALLON (1,400 CUBIC FEET) INERT MATERIAL (SODIUM BICARBONATE/SORBENT) STORAGE SILO, LOADING SYSTEM SERVED BY A DSS MODEL WAM SILO TOP PULSE JET CLEANING BAGHOUSE, AND A SEALED SCREW CONVEYER

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

Hanford LP has proposed to add sodium bicarbonate as a sorbent to the 30 MW fluidized bed combustor. In addition, a 10,473 gallon silo served by a baghouse was proposed to store the sodium bicarbonate/sorbent.

C-603-1-11:

All conditions on the proposed draft permit are identical to current permit C-603-1-10 except as follows:

Conditions 15, 16, and 25 were administratively removed from permit C-603-1-7 because the unit was approved to fire on an alternate petroleum coke under project C-1091408.

C-603-15-1:

Permit conditions 1 and 2 were placed on the proposed Permit to Operate to ensure the visible emissions requirements from processes served by a baghouse or fabric filter are met.

Permit condition 3 of proposed Permit to Operate was added to ensure that fugitive emissions are mitigated.

Permit conditions 4 through 11 of the proposed Permit to Operate ensure that the baghouse is operated in a manner to meet the manufacturer's guaranteed efficiency.

Permit conditions 12 and 13 of the proposed Permit to Operate specify the maximum daily and annual PM₁₀ emissions.

Permit conditions 14 through 17 of the proposed Permit to Operate specify the recordkeeping requirements.

VII. COMPLIANCEa

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 Permit No. C-603-1-11 and C-603-15-1
- B. Authorities to Construct No. C-603-1-10 and C-603-15-0
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permit No. C-6031-7

ATTACHMENT A

Proposed Modified Title V Operating Permit No.
(C-603-1-11, C-603-15-1)

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-603-1-11

EXPIRATION DATE: 04/30/2008

EQUIPMENT DESCRIPTION:

MODIFICATION OF 30 MW FLUIDIZED BED COMBUSTOR FUELED BY PETROLEUM COKE, NATURAL GAS, AND NO. 2 FUEL OIL UP TO 320 MMBTU/HR:

PERMIT UNIT REQUIREMENTS

1. Fuel consumption in the fluidized bed combustor shall not exceed 320 MMBTU/hr of petroleum coke, natural gas, and No. 2 fuel oil. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Natural gas utilization in the fluidized bed combustor shall not exceed 48 MMBTU/hr. Fuel oil may only be used during warm-up or as necessary to establish or maintain bed temperature at 1,560 degree F at a rate not to exceed 170 MMBTU/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Natural gas consumption in the low pressure evaporator shall not exceed 2 million scf in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The NOx emissions (measured as NO2) from the combined exhaust of the low pressure evaporator and fluidized bed combustor shall not exceed 245 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The NOx concentration (as NO2 corrected to 3% O2) in the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 28 ppmvd averaged over any 3 hour period when the freeboard temperature is at least 1,560 degree F. [District Rules 2201, District Rule 4301 and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
6. The carbon monoxide emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 544 pounds in any one day. [District Rule 2201 and District Rule 4352, 5.3] Federally Enforceable Through Title V Permit
7. Annual carbon monoxide emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 156,000 pounds per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The VOC emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 60 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The PM10 emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 80 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The concentration of particulate matter in the exhaust from the main baghouse shall not exceed 0.005 gr/dscf corrected to 12% CO2. [District Rule 2201, District Rule 4301, and 40 CFR 60.43b(c)] Federally Enforceable Through Title V Permit
11. SOx emissions (calculated as SO2) from the combined exhaust of the combustor and the low pressure evaporator shall not exceed 469 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Sorbent shall be injected into the fluidized bed combustor at a rate sufficient to meet the SOx concentration and emissions limits in these conditions. [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. The SO_x concentration (as SO₂ corrected to 3% O₂) in the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 35 ppmvd averaged over any three hour period when the bed temperature was at least 1,500 degree F. [District Rule 2201, District Rule 4301 and District Rule 4801] Federally Enforceable Through Title V Permit
14. A start-up event commences when the petroleum coke feed to the CFBC is initiated and/or the freeboard temperature is 1,560 degree F. The start-up event is complete when the NO_x concentration and SO_x concentration are in compliance with the concentration limits. A shutdown event commences when the petroleum coke feed to the CFBC is terminated and is complete when the combustion air flow to the CFBC is terminated. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The start-up/shutdown event shall not exceed any of the following limits: 2 hours, 1 per day, 50 per year. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Emissions from the circulating fluidized bed combustor shall not exceed either of the following limits during a start-up or shutdown event: 140 lb NO_x/hr or 200 lb SO₂/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
17. In no event shall SO₂ emissions from the combined exhaust of the combustor and the low pressure evaporator exceed 76.1 ton/yr. [District Rule 2201 and 40 CFR 52.21] Federally Enforceable Through Title V Permit
18. Ammonia shall be injected into the fluidized bed combustor as necessary to meet the limits in these conditions and whenever the freeboard temperature is at least 1,560 degree F. [District Rule 2201] Federally Enforceable Through Title V Permit
19. The concentration of ammonia in the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 30 ppmvd. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Source testing to demonstrate compliance with permit conditions and all rules and regulations shall be conducted on an annual basis. [District Rule 1081] Federally Enforceable Through Title V Permit
21. Performance testing shall be conducted annually for NO_x, CO, SO_x, and PM(10) at normal operating capacity using following test methods; for NO_x, EPA Method 7E or ARB Method 1-100; for CO, EPA Method 10 or ARB Method 100; for SO_x, EPA Method 6 or 6C ; and for PM(10), EPA Method 201A, and SCAQMD Method 5.3 and 6.1. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
22. Filterable PM(10) shall be quantified using EPA Method 201A. Condensable PM10 from the back-half of the test apparatus shall be quantified using SCAQMD methods 5.3 and 6.1. Total PM10 is the sum of the results of these two tests. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
25. The pressure drop across the filter fabric in the combustion exhaust baghouse shall be monitored daily. Immediate corrective action must be taken if the pressure drop in any section is greater than 10 inches H₂O or less than 0.5 inches H₂O. [District Rule 2201] Federally Enforceable Through Title V Permit
26. A Continuous Emissions Monitoring System shall be in place and operating whenever the facility is operating. NO_x (as NO₂ corrected to 3% O₂), SO_x as SO₂, CO, opacity and O₂ concentrations must be recorded continuously. [District Rule 1080] Federally Enforceable Through Title V Permit
27. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
28. The continuous monitoring equipment must be linked to a data logger which is compatible with the District's data acquisition system. [District Rule 1080 and District Rule 4352] 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.

29. The owner/operator shall perform a relative accuracy test audit (RATA) as specified by 40 CFR Part 60, Appendix F, 5.11, at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
30. Operator shall notify the APCO no later than eight hours after the detection of a breakdown of the CEMS. Operator shall inform the APCO of the intent to shut down the CEMS at least 24 hours prior to the event. [District Rule 1080; Fresno County Rule 108] Federally Enforceable Through Title V Permit
31. The permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions, nature and cause of excess emissions (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting shall correspond to the averaging period for each respective emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 1080, 40 CFR 60.49b(f) and 40 CFR 60.49b(h)] Federally Enforceable Through Title V Permit
32. An ultimate analysis for each lot of liquid or solid fuel received shall be maintained on site and made available to the District upon request. The analyses shall include heating value, sulfur content, and nitrogen content. [District Rule 1070] Federally Enforceable Through Title V Permit
33. Records of all daily fuel consumption shall be maintained on site and submitted to the District with quarterly reports and upon request. [District Rule 1070, District rule 1080, District Rule 4352 and 40 CFR 60.49b(d)] Federally Enforceable Through Title V Permit
34. {748} A violation of NO_x emission standards indicated by the NO_x CEM shall be reported by the operator to the APCO within 96 hours. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 9.0] Federally Enforceable Through Title V Permit
35. If the unit is fired on diesel fuel that is not supplier-certified 0.0015% sulfur content or less, the sulfur content of each fuel source shall be tested weekly, except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be semi-annually. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
36. {2804} Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
37. Records of system 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 2520, 9.4.2] Federally Enforceable Through Title V Permit
38. {2805} Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [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.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-603-15-1

EXPIRATION DATE: 04/30/2008

EQUIPMENT DESCRIPTION:

MODIFICATION OF 10,473 GALLON (1,400 CUBIC FEET) INERT MATERIAL (SODIUM BICARBONATE/SORBENT) STORAGE SILO, LOADING SYSTEM SERVED BY A DSS MODEL WAM SILO TOP PULSE JET CLEANING BAGHOUSE, AND A SEALED SCREW CONVEYER:

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouses serving the sodium bicarbonate handling and storage operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule and District Rule 4101]
2. Visible emissions shall be inspected annually under material and environmental conditions, such as dry and windy, where high emissions are expected. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Enclosure shall be completely inspected annually for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2]
4. Dust collector filters shall be inspected at least once every two weeks while not in operation for any tears, holes, abrasions, and scuffs which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
8. The baghouse shall operate at all times with a minimum differential pressure of 0.1 inches water column and a maximum differential pressure of 3.5 inches water column. [District NSR Rule]
9. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule]
10. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
11. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
12. Emissions from the sodium bicarbonate silo shall not exceed 0.0016 lb PM10 per ton of sodium bicarbonate. [District NSR Rule]
13. The maximum throughput for the sodium bicarbonate storage operation shall exceed either of the following limits: 42 tons per day or 660 tons per year. [District NSR Rule]
14. Records of dust collector inspection, maintenance, and repair shall be maintained. These records shall include identification of the dust collector, date of inspection, any corrective action taken as a result of inspection, and initials of the personnel performing the inspection. [District Rule 2520, 9.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

15. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2520, 9.4.2]
16. Records of the amount of material loaded on a daily basis shall be maintained, retained on the premises at least five years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2]
17. Records of daily sodium bicarbonate throughput shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule and District Rule 1070]

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

DRAFT

ATTACHMENT B

Authorities to Construct No.
(C-603-1-10, C-603-15-0)



AUTHORITY TO CONSTRUCT

PERMIT NO: C-603-1-10

ISSUANCE DATE: 08/23/2010

LEGAL OWNER OR OPERATOR: HANFORD L P
MAILING ADDRESS: 4300 RAILROAD AVENUE
PITTSBURG, CA 94565

LOCATION: 10596 IDAHO AVE
HANFORD, CA 93230

EQUIPMENT DESCRIPTION:

MODIFICATION OF 30 MW FLUIDIZED BED COMBUSTOR FUELED BY PETROLEUM COKE, NATURAL GAS, AND NO. 2 FUEL OIL UP TO 320 MMBTU/HR: INSTALL A SODIUM BICARBONATE/SORBENT INJECTION SYSTEM

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. Fuel consumption in the fluidized bed combustor shall not exceed 320 MMBTU/hr of petroleum coke, natural gas, and No. 2 fuel oil. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Natural gas utilization in the fluidized bed combustor shall not exceed 48 MMBTU/hr. Fuel oil may only be used during warm-up or as necessary to establish or maintain bed temperature at 1,560 degree F at a rate not to exceed 170 MMBTU/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Natural gas consumption in the low pressure evaporator shall not exceed 2 million scf in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The NOx emissions (measured as NO2) from the combined exhaust of the low pressure evaporator and fluidized bed combustor shall not exceed 245 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The NOx concentration (as NO2 corrected to 3% O2) in the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 28 ppmvd averaged over any 3 hour period when the freeboard temperature is at least 1,560 degree F. [District Rules 2201, District Rule 4301 and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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
C-603-1-10: Aug 23 2010 1:31PM - BUSH: Joint Inspection NO1 Required

7. The carbon monoxide emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 544 pounds in any one day. [District Rule 2201 and District Rule 4352, 5.3] Federally Enforceable Through Title V Permit
8. Annual carbon monoxide emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 156,000 pounds per year. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The VOC emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 60 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The PM10 emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 80 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The concentration of particulate matter in the exhaust from the main baghouse shall not exceed 0.005 gr/dscf corrected to 12% CO₂. [District Rule 2201, District Rule 4301, and 40 CFR 60.43b(c)] Federally Enforceable Through Title V Permit
12. SO_x emissions (calculated as SO₂) from the combined exhaust of the combustor and the low pressure evaporator shall not exceed 469 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Sorbent shall be injected into the fluidized bed combustor at a rate sufficient to meet the SO_x concentration and emissions limits in these conditions. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The SO_x concentration (as SO₂ corrected to 3% O₂) in the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 35 ppmvd averaged over any three hour period when the bed temperature was at least 1,500 degree F. [District Rule 2201, District Rule 4301 and District Rule 4801] Federally Enforceable Through Title V Permit
15. A start-up event commences when the petroleum coke feed to the CFBC is initiated and/or the freeboard temperature is 1,560 degree F. The start-up event is complete when the NO_x concentration and SO_x concentration are in compliance with the concentration limits. A shutdown event commences when the petroleum coke feed to the CFBC is terminated and is complete when the combustion air flow to the CFBC is terminated. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The start-up/shutdown event shall not exceed any of the following limits: 2 hours, 1 per day, 50 per year. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Emissions from the circulating fluidized bed combustor shall not exceed either of the following limits during a start-up or shutdown event: 140 lb NO_x/hr or 200 lb SO₂/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
18. In no event shall SO₂ emissions from the combined exhaust of the combustor and the low pressure evaporator exceed 76.1 ton/yr. [District Rule 2201 and 40 CFR 52.21] Federally Enforceable Through Title V Permit.
19. Ammonia shall be injected into the fluidized bed combustor as necessary to meet the limits in these conditions and whenever the freeboard temperature is at least 1,560 degree F. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The concentration of ammonia in the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 30 ppmvd. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Source testing to demonstrate compliance with permit conditions and all rules and regulations shall be conducted on an annual basis. [District Rule 1081] Federally Enforceable Through Title V Permit
22. Performance testing shall be conducted annually for NO_x, CO, SO_x, and PM(10) at normal operating capacity using following test methods; for NO_x, EPA Method 7E or ARB Method 1-100; for CO, EPA Method 10 or ARB Method 100; for SO_x, EPA Method 6 or 6C; and for PM(10), EPA Method 201A, and SCAQMD Method 5.3 and 6.1. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
23. Filterable PM(10) shall be quantified using EPA Method 201A. Condensable PM10 from the back-half of the test apparatus shall be quantified using SCAQMD methods 5.3 and 6.1. Total PM10 is the sum of the results of these two tests. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

24. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
25. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
26. The pressure drop across the filter fabric in the combustion exhaust baghouse shall be monitored daily. Immediate corrective action must be taken if the pressure drop in any section is greater than 10 inches H₂O or less than 0.5 inches H₂O. [District Rule 2201] Federally Enforceable Through Title V Permit
27. A Continuous Emissions Monitoring System shall be in place and operating whenever the facility is operating. NO_x (as NO₂ corrected to 3% O₂), SO_x as SO₂, CO, opacity and O₂ concentrations must be recorded continuously. [District Rule 1080] Federally Enforceable Through Title V Permit
28. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
29. The continuous monitoring equipment must be linked to a data logger which is compatible with the District's data acquisition system. [District Rule 1080 and District Rule 4352] Federally Enforceable Through Title V Permit
30. The owner/operator shall perform a relative accuracy test audit (RATA) as specified by 40 CFR Part 60, Appendix F, 5.11, at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
31. Operator shall notify the APCO no later than eight hours after the detection of a breakdown of the CEMS. Operator shall inform the APCO of the intent to shut down the CEMS at least 24 hours prior to the event. [District Rule 1080; Fresno County Rule 108] Federally Enforceable Through Title V Permit
32. The permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions, nature and cause of excess emissions (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting shall correspond to the averaging period for each respective emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 1080, 40 CFR 60.49b(f) and 40 CFR 60.49b(h)] Federally Enforceable Through Title V Permit
33. An ultimate analysis for each lot of liquid or solid fuel received shall be maintained on site and made available to the District upon request. The analyses shall include heating value, sulfur content, and nitrogen content. [District Rule 1070] Federally Enforceable Through Title V Permit
34. Records of all daily fuel consumption shall be maintained on site and submitted to the District with quarterly reports and upon request. [District Rule 1070, District rule 1080, District Rule 4352 and 40 CFR 60.49b(d)] Federally Enforceable Through Title V Permit
35. A violation of NO_x emission standards indicated by the NO_x CEM shall be reported by the operator to the APCO within 96 hours. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 9.0] Federally Enforceable Through Title V Permit
36. If the unit is fired on diesel fuel that is not supplier-certified 0.0015% sulfur content or less, the sulfur content of each fuel source shall be tested weekly, except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be semi-annually. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
37. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

38. Records of system 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 2520, 9.4.2] Federally Enforceable Through Title V Permit
39. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: C-603-15-0

ISSUANCE DATE: 12/22/2009

LEGAL OWNER OR OPERATOR: HANFORD L P
MAILING ADDRESS: 4300 RAILROAD AVENUE
PITTSBURG, CA 94565

LOCATION: 10596 IDAHO AVE
HANFORD, CA 93230

EQUIPMENT DESCRIPTION:

10,473 GALLON (1,400 CUBIC FEET) INERT MATERIAL (SODIUM BICARBONATE/SORBENT) STORAGE SILO, LOADING SYSTEM SERVED BY A DSS MODEL WAM SILO TOP PULSE JET CLEANING BAGHOUSE, AND A SEALED SCREW CONVEYER

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants. [District Rule 4102]
3. Visible emissions from the baghouses serving the sodium bicarbonate handling and storage operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule and District Rule 4101]
4. Visible emissions shall be inspected annually under material and environmental conditions, such as dry and windy, where high emissions are expected. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Enclosure shall be completely inspected annually for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2]
6. Dust collector filters shall be inspected at least once every two weeks while not in operation for any tears, holes, abrasions, and scuffs which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2]
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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

C-003-15-0: Dec 22 2009 3:46PM - BUSH1 : Joint Inspection NOT Required

8. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule]
10. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule]
11. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule]
12. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule]
13. Emissions from the sodium bicarbonate silo shall not exceed 0.0016 lb PM10 per ton of sodium bicarbonate.. [District NSR Rule]
14. The maximum throughput for the sodium bicarbonate storage operation shall exceed either of the following limits: 42 tons per day or 660 tons per year. [District Rule]
15. Records of dust collector inspection, maintenance, and repair shall be maintained. These records shall include identification of the dust collector, date of inspection, any corrective action taken as a result of inspection, and initials of the personnel performing the inspection. [District Rule 2520, 9.4.2]
16. Records of the amount of material loaded on a daily basis shall be maintained, retained on the premises at least five years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2]
17. Records of daily sodium bicarbonate throughput shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule and District Rule 1070]

ATTACHMENT C

Emissions Increases

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
C-603-1-11	0	0	0	0	0
C-603-15-1	0	0	0	0	1
TOTAL	0	0	0	0	913

ATTACHMENT D

Application



GWFF POWER SYSTEMS

Received

OCT 05 2010

Permits Sp.
SJVAPCD

October 4, 2010

Mr. James Swaney, Director Permit Services
San Joaquin Valley Air Pollution Control District
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244

**RE: Title V Permit Modification PTO C-603
Sodium Bicarbonate loading and storage silo and Sodium Bicarbonate Injection System**

Dear Mr. Swaney:

GWFF Power Systems, on behalf of Hanford L.P., hereby submits the application to modify the Title V permit for the Hanford LP power plant permit No. C-603 in accordance with District Rule 2520. The application requests the modification for Authority to Construct permit No. C-603-1-10 and Authority to Construct permit No. C-603-15-0 as instructed by Mr. Timothy Bush of the SJVAPCD.

Please invoice Hanford L.P. for the application fees as stated in the Application for Title V modification instructions and in accordance with Rule #3010.

Thank you for your time and consideration regarding this matter. If you have any questions regarding this application, please feel free to contact me at (925) 431-1440.

Respectfully,

Mark Kehoe
Director, Environmental and Safety

Cc D. Wheeler, GWFF
K. Kolnowski, GWFF
R. Vogler, Hanford L.P.

San Joaquin Valley Air Pollution Control District

www.valleyair.org

Received

OCT 05 2010

Permits Srvc
SJVAPCD

Permit Application For:

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

1. PERMIT TO BE ISSUED TO: <p style="text-align: center;">Hanford LP</p>		
2. MAILING ADDRESS: STREET/P.O. BOX: <u>4300 Railroad Avenue</u> CITY: <u>Pittsburg</u> STATE: <u>California</u> 9-DIGIT ZIP CODE: <u>94565</u>		
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: <u>10596 Idaho Avenue</u> CITY: <u>Hanford</u> _____ ¼ SECTION _____ TOWNSHIP _____ RANGE _____		INSTALLATION DATE: 09/2010
4. GENERAL NATURE OF BUSINESS: Electric Generation		
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) Modify Title V Permit in accordance with District Rule 2520 for: <ul style="list-style-type: none"> a. Authority to Construct permit No. C-603-15-0. Install a 10,4173 gallon (1,400 cubic feet) inert material (sodium bicarbonate) storage silo, loading system served by a DSS model WAM silo top pulse jet cleaning, and a sealed screw conveyor. b. Authority to Construct Permit No. C-603-1-10. Modification of 30 MW fluidized bed combustor fueled by petroleum coke, natural gas, and No. 2 fuel oil up to 320 MMBTU/HR: Install a sodium bicarbonate/sorbent injection system. 		
6. TYPE OR PRINT NAME OF APPLICANT: Mark Kehoe		TITLE OF APPLICANT: Director, Environmental and Safety Programs
7. SIGNATURE OF APPLICANT: 	DATE: 10/04/2010	PHONE: (925) 431-1440 FAX: (925) 431-0518 EMAIL: mkehoe@gwfpower.com

For APCD Use Only:

DATE STAMP	FILING FEE RECEIVED: \$ <u>0</u> CHECK#: <u>—</u> DATE PAID: <u>10/5/10</u> PROJECT NO: <u>C-1103157</u> FACILITY ID: <u>C-603</u>
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**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: Hanford L.P.	FACILITY ID: C 7603
1. Type of Organization: <input type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input checked="" type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: Hanford L.P.	
3. Agent to the Owner: GWF Power Systems	

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

10/04/2010

 Date

Mark Kehoe

 Name of Responsible Official (please print)

Director, Environmental and Safety Programs

 Title of Responsible Official (please print)

ATTACHMENT E

Previous Title V Operating Permit No. C-
603-1-7

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-603-1-7

EXPIRATION DATE: 04/30/2008

EQUIPMENT DESCRIPTION:

30 MW FLUIDIZED BED COMBUSTOR FUELED BY PETROLEUM COKE, NATURAL GAS, AND NO. 2 FUEL OIL UP TO 320 MMBTU/HR

PERMIT UNIT REQUIREMENTS

1. Fuel consumption in the fluidized bed combustor shall not exceed 320 MMBTU/hr of petroleum coke, natural gas, and No. 2 fuel oil. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Natural gas utilization in the fluidized bed combustor shall not exceed 48 MMBTU/hr. Fuel oil may only be used during warm-up or as necessary to establish or maintain bed temperature at 1,560 degree F at a rate not to exceed 170 MMBTU/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Natural gas consumption in the low pressure evaporator shall not exceed 2 million scf in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The NO_x emissions (measured as NO₂) from the combined exhaust of the low pressure evaporator and fluidized bed combustor shall not exceed 245 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The NO_x concentration (as NO₂ corrected to 3% O₂) in the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 28 ppmvd averaged over any 3 hour period when the freeboard temperature is at least 1,560 degree F. [District Rules 2201, District Rule 4301 and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
6. The carbon monoxide emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 544 pounds in any one day. [District Rule 2201 and District Rule 4352, 5.3] Federally Enforceable Through Title V Permit
7. Annual carbon monoxide emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 156,000 pounds per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The VOC emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 60 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The PM₁₀ emissions from the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 80 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The concentration of particulate matter in the exhaust from the main baghouse shall not exceed 0.005 gr/dscf corrected to 12% CO₂. [District Rule 2201, District Rule 4301, and 40 CFR 60.43b(c)] Federally Enforceable Through Title V Permit
11. SO_x emissions (calculated as SO₂) from the combined exhaust of the combustor and the low pressure evaporator shall not exceed 469 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Sorbent shall be injected into the fluidized bed combustor at a rate sufficient to meet the SO_x concentration and emissions limits in these conditions. [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. The SO_x concentration (as SO₂ corrected to 3% O₂) in the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 35 ppmvd averaged over any three hour period when the bed temperature was at least 1,500 degree F. [District Rule 2201, District Rule 4301 and District Rule 4801] Federally Enforceable Through Title V Permit
14. A start-up event commences when the petroleum coke feed to the CFBC is initiated and/or the freeboard temperature is 1,560 degree F. The start-up event is complete when the NO_x concentration and SO_x concentration are in compliance with the concentration limits. A shutdown event commences when the petroleum coke feed to the CFBC is terminated and is complete when the combustion air flow to the CFBC is terminated. [District Rule 2201] Federally Enforceable Through Title V Permit
15. When fired on Bakersfield, or other equivalent low sulfur petroleum coke, the SO_x emissions (calculated as SO₂) from the combined exhaust of the combustor and low pressure evaporator shall not exceed 244 pounds in any one day in the third quarter or 245 pounds in any one day in any of the other three calendar quarters. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Upon District approval, when firing the approved alternate petroleum coke, SO_x emissions (calculated as SO₂) from the combined exhaust of the combustor and the low pressure evaporator shall not exceed 469 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The start-up/shutdown event shall not exceed any of the following limits: 2 hours, 1 per day, 50 per year. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Emissions from the circulating fluidized bed combustor shall not exceed either of the following limits during a start-up or shutdown event: 140 lb NO_x/hr or 200 lb SO₂/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
19. In no event shall SO₂ emissions from the combined exhaust of the combustor and the low pressure evaporator exceed 76.1 ton/yr. [District Rule 2201 and 40 CFR 52.21] Federally Enforceable Through Title V Permit
20. Ammonia shall be injected into the fluidized bed combustor as necessary to meet the limits in these conditions and whenever the freeboard temperature is at least 1,560 degree F. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The concentration of ammonia in the combined exhaust of the fluidized bed combustor and low pressure evaporator shall not exceed 30 ppmvd. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Source testing to demonstrate compliance with permit conditions and all rules and regulations shall be conducted on an annual basis. [District Rule 1081] Federally Enforceable Through Title V Permit
23. Performance testing shall be conducted annually for NO_x, CO, SO_x, and PM(10) at normal operating capacity using following test methods; for NO_x, EPA Method 7E or ARB Method 1-100; for CO, EPA Method 10 or ARB Method 100; for SO_x, EPA Method 6 or 6C ; and for PM(10), EPA Method 201A, and SCAQMD Method 5.3 and 6.1. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
24. Filterable PM(10) shall be quantified using EPA Method 201A. Condensable PM10 from the back-half of the test apparatus shall be quantified using SCAQMD methods 5.3 and 6.1. Total PM10 is the sum of the results of these two tests. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
25. Source testing to measure SO_x emissions from this unit shall be conducted within 60 days of initial start-up on the approved alternate petroleum coke. [District Rules 2201] Federally Enforceable Through Title V Permit
26. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
27. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] 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.

28. The pressure drop across the filter fabric in the combustion exhaust baghouse shall be monitored daily. Immediate corrective action must be taken if the pressure drop in any section is greater than 10 inches H₂O or less than 0.5 inches H₂O. [District Rule 2201] Federally Enforceable Through Title V Permit
29. A Continuous Emissions Monitoring System shall be in place and operating whenever the facility is operating. NO_x (as NO₂ corrected to 3% O₂), SO_x as SO₂, CO, opacity and O₂ concentrations must be recorded continuously. [District Rule 1080] Federally Enforceable Through Title V Permit
30. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
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34. The permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions, nature and cause of excess emissions (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting shall correspond to the averaging period for each respective emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 1080, 40 CFR 60.49b(f) and 40 CFR 60.49b(h)] Federally Enforceable Through Title V Permit
35. An ultimate analysis for each lot of liquid or solid fuel received shall be maintained on site and made available to the District upon request. The analyses shall include heating value, sulfur content, and nitrogen content. [District Rule 1070] Federally Enforceable Through Title V Permit
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37. A violation of NO_x emission standards indicated by the NO_x CEM shall be reported by the operator to the APCO within 96 hours. [Rule 108 (Kings, Fresno, Merced San Joaquin, Tulare, Kern, and Stanislaus) and Rule 109 (Madera) and District Rule 1080, 9.0] Federally Enforceable Through Title V Permit
38. If the unit is fired on diesel fuel that is not supplier-certified 0.0015% sulfur content or less, the sulfur content of each fuel source shall be tested weekly, except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be semi-annually. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
39. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
40. Records of system 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 2520, 9.4.2] Federally Enforceable Through Title V Permit
41. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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