



JUN 24 2010

Tim Van Domelen
J R Simplot
P O Box 198
Lathrop, CA 95330

**Re: Proposed Authority to Construct / Certificate of Conformity (Minor Mod)
District Facility # N-767
Project # N-1101332**

Dear Mr. Van Domelen:

Enclosed for your review is the District's analysis of your application for Authority to Construct for the facility identified above. You have requested that a Certificate of Conformity with the procedural requirements of 40 CFR Part 70 be issued with this project. J R Simplot proposes to replace the existing dryer exhaust fan with a more appropriately sized fan using the existing motor and variable-frequency drive.

After addressing any EPA comments made during the 45-day comment period, the Authority to Construct will be issued to the facility with a Certificate of Conformity. Prior to operating with modifications authorized by the Authority to Construct, the facility must submit an application to modify the Title V permit as an administrative amendment, in accordance with District Rule 2520, Section 11.5.

If you have any questions, please contact Mr. Rupri Gill, Permit Services Manager, at (209) 557-6400.

Thank you for your cooperation in this matter.

Sincerely,


David Warner
Director of Permit Services

DW:FD/dg

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



JUN 24 2010

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

**Re: Proposed Authority to Construct / Certificate of Conformity (Minor Mod)
District Facility # N-767
Project # N-1101332**

Dear Mr. Rios:

Enclosed for your review is the District's engineering evaluation of an application for Authority to Construct for J R Simplot, located at 16777 S Howland Rd. in Lathrop, California, which has been issued a Title V permit. J R Simplot is requesting that a Certificate of Conformity, with the procedural requirements of 40 CFR Part 70, be issued with this project. J R Simplot proposes to replace the existing dryer exhaust fan with a more appropriately sized fan using the existing motor and variable-frequency drive.

Enclosed is the engineering evaluation of this application, a copy of the current Title V permit, and proposed Authority to Construct # N-767-6-13 with Certificate of Conformity. After demonstrating compliance with the Authority to Construct, the conditions will be incorporated into the facility's Title V permit through an administrative amendment.

Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter. If you have any questions, please contact Mr. Rupi Gill, Permit Services Manager, at (209) 557-6400.

Thank you for your cooperation in this matter.

Sincerely,

David Warner
Director of Permit Services

DW:FD/dg

Enclosures

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J.R. Simplot
N-767, N-1101332

Appendix A

Draft Authority to Construct

San Joaquin Valley
Air Pollution Control District

AUTHORITY TO CONSTRUCT

ISSUANCE DATE: DRAFT

PERMIT NO: N-767-6-13

LEGAL OWNER OR OPERATOR: J R SIMPLOT COMPANY

MAILING ADDRESS: PO BOX 198
LATHROP, CA 95330

LOCATION: 16777 S. HOWLAND ROAD
LATHROP, CA 95330

EQUIPMENT DESCRIPTION:

MODIFICATION OF THE FERTILIZER PELLET PLANT TO REPLACE THE EXISTING DRYER SCRUBBER INDUCED DRAFT FAN WITH A NEW FAN AND SILENCER UTILIZING THE EXISTING 450 HP FAN MOTOR AND VARIABLE FREQUENCY DRIVE. POST-PROJECT EQUIPMENT DESCRIPTION IS: FERTILIZER PELLET PLANT CONSISTING OF A 40 MMBTU/HR DIRECT FIRED PELLET DRYER (4911-D-101) WITH A URS CORP RMB-40-G ULTRA LOW NOX BURNER (S/N 1108001), A LUMP BREAKER (4911-M-109) AND SCREENING SYSTEM; FLOW RECYCLING SYSTEM VENTED TO AN ICA BAGHOUSE (4911-S-111). THE ICA BAGHOUSE IS VENTED INTO THE PELLET DRYER. THE PELLET DRYER, LUMP BREAKER, AND SCREENING SYSTEM ARE SERVED BY AN OFF-GAS BAGHOUSE (4911-S-115) IN SERIES WITH AN AMMONIA SCRUBBER SYSTEM (4911-S-120 & 4911-S-108) AND A MIST ELIMINATOR (4911-S-112)

CONDITIONS

1. 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] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 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

N-767-6-13: Jun 11 2010 9:00AM - DEMARISF : Joint Inspection NOT Required

Northern Regional Office • 4800 Enterprise Way • Modesto, CA 95356-8718 • (209) 557-6400 • Fax (209) 557-6475

2. The baghouses shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 10 inches water column. During each day of operation, the permittee shall record the differential pressure of each baghouse and compare the readings with the permitted range. If the baghouse's differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouse's differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall notify the District within the following one hour and take one of the following actions: (1). Shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range; (2). Conduct a certified source test within 60 days of the first exceedance to demonstrate that the unit is in compliance with all applicable particulate matter emission limits at the new differential pressure per District approved testing protocol. If this option is chosen the operator must submit an application to modify the permit to include the new differential pressure range; (3). In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
3. 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] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The system shall be adequately maintained to prevent fugitive particulate emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The baghouses (4911-S-115 & 4911-S-111) shall have no visible emissions. Visible emissions from each baghouse (4911-S-115 & 4911-S-111) shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the baghouse is operated. If any visible emissions from the baghouse are observed, corrective action shall be taken to eliminate the visible emissions as soon as possible. [40 CFR Part 64] Federally Enforceable Through Title V Permit
7. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
9. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
10. The pH of the scrubbing liquid shall be maintained at 7.5 or less. A continuous monitoring device shall be installed and maintained to measure the pH of the scrubbing liquid. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The scrubber liquid operating flow rate shall not be less than 675 gallons per minute. A flow meter shall be installed and maintained to measure the scrubbing liquid flow rate at the inlet of the scrubber. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Scrubber sprays and/or nozzles shall be maintained in optimum working condition. [District NSR Rule] Federally Enforceable Through Title V Permit
13. A daily log of amount and type of raw materials used shall be kept on the premises at all times and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
14. A maximum of 1320 tons of raw material shall be processed by the ammoniator drum during any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The PM10 emissions from material drying (including combustion) shall not exceed 0.1176 pounds per ton of raw material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The dryer shall only be fired on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit

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CONDITIONS CONTINUE ON NEXT PAGE

17. The emissions from the dryer shall not exceed 4.3 ppmvd NO_x @ 19% O₂, 13.5 ppmvd CO @ 19% O₂, 0.0028 lb/MMBtu for VOC, and 0.00285 lb/MMBtu for SO_x. If measured O₂ concentration is greater than 19%, the corrected NO_x or CO concentration is equal to the measured NO_x or CO concentration. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Particulate matter emissions shall not exceed 0.1 grain/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
19. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using equation $E=3.59 \times P^{0.62}$; P is less than or equal to 30 tons per hour, or $E=17.31 \times P^{0.16}$; P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
20. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801] Federally Enforceable Through Title V Permit
21. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
22. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
23. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4309] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309] Federally Enforceable Through Title V Permit
25. The operator or the owner shall maintain the copies of fuel invoices and supplier certifications. [District Rule 4801] Federally Enforceable Through Title V Permit
26. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
27. Operator shall maintain on file copy of fuel bills and certifications from supplier. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
28. Source testing for PM emissions using EPA Method 5 shall be conducted at least once every five years. For the purpose of complying with the emission limit, all PM will be considered to be PM₁₀. However, if the test fails to demonstrate compliance, the source shall return to annual source testing. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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CONDITIONS CONTINUE ON NEXT PAGE

29. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309] Federally Enforceable Through Title V Permit
30. Source testing to measure NOx and CO emissions from this unit when fired on natural gas shall be conducted at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
31. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rule 4309] Federally Enforceable Through Title V Permit
32. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
33. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
34. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
35. 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
36. 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
37. All test results for NOx and CO shall be reported in ppmv @ 19% O2 (or no correction if measured above 19% O2), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
38. Permittee shall perform a complete inspection of the baghouse and its components on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
39. 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 2520, 9.4.2] Federally Enforceable Through Title V Permit
40. Visible emissions from the exhaust of the scrubber shall be inspected daily 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, 9.4.2] Federally Enforceable Through Title V Permit
41. During each day of operation, the permittee shall record the scrubber liquid pH and flow rate (gallons per minute), and compare the readings with the permitted limits. Upon detecting any excursion from the permitted scrubber liquid pH or flow rate, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
42. If the unit is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired shall be determined using ASTM Method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
43. If the unit is not fired on PUC-regulated natural gas, the sulfur content of fuel source shall be tested weekly except that compliance with fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If the test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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CONDITIONS CONTINUE ON NEXT PAGE

44. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309] Federally Enforceable Through Title V Permit
45. {1830} This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Federally Enforceable Through Title V Permit
46. {1831} Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit

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J.R. Simplot
N-767, N-1101332

Appendix B

Current Permit to Operate

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-767-6-12

EXPIRATION DATE: 11/30/2009

EQUIPMENT DESCRIPTION:

FERTILIZER PELLET PLANT CONSISTING OF A 40 MMBTU/HR DIRECT FIRED PELLET DRYER (4911-D-101) WITH A URS CORP RMB-40-G ULTRA LOW NOX BURNER (S/N 1108001), A LUMP BREAKER (4911-M-109) AND SCREENING SYSTEM; FLOW RECYCLING SYSTEM VENTED TO AN ICA BAGHOUSE (4911-S-111). THE ICA BAGHOUSE IS VENTED INTO THE PELLET DRYER. THE PELLET DRYER, LUMP BREAKER, AND SCREENING SYSTEM ARE SERVED BY AN OFF-GAS BAGHOUSE (4911-S-115) IN SERIES WITH AN AMMONIA SCRUBBER SYSTEM (4911-S-120 & 4911-S-108) AND A MIST ELIMINATOR (4911-S-112).

PERMIT UNIT REQUIREMENTS

1. 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] Federally Enforceable Through Title V Permit
2. The baghouses shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 10 inches water column. During each day of operation, the permittee shall record the differential pressure of each baghouse and compare the readings with the permitted range. If the baghouse's differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouse's differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall notify the District within the following one hour and take one of the following actions: (1). Shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range; (2). Conduct a certified source test within 60 days of the first exceedance to demonstrate that the unit is in compliance with all applicable particulate matter emission limits at the new differential pressure per District approved testing protocol. If this option is chosen the operator must submit an application to modify the permit to include the new differential pressure range; (3). In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
3. 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] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The system shall be adequately maintained to prevent fugitive particulate emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The baghouses (4911-S-115 & 4911-S-111) shall have no visible emissions. Visible emissions from each baghouse (4911-S-115 & 4911-S-111) shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day the baghouse is operated. If any visible emissions from the baghouse are observed, corrective action shall be taken to eliminate the visible emissions as soon as possible. [40 CFR Part 64] Federally Enforceable Through Title V Permit
7. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] 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.

8. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
9. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
10. The pH of the scrubbing liquid shall be maintained at 7.5 or less. A continuous monitoring device shall be installed and maintained to measure the pH of the scrubbing liquid. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The scrubber liquid operating flow rate shall not be less than 675 gallons per minute. A flow meter shall be installed and maintained to measure the scrubbing liquid flow rate at the inlet of the scrubber. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Scrubber sprays and/or nozzles shall be maintained in optimum working condition. [District NSR Rule] Federally Enforceable Through Title V Permit
13. A daily log of amount and type of raw materials used shall be kept on the premises at all times and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
14. A maximum of 1320 tons of raw material shall be processed by the ammoniator drum during any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The PM10 emissions from material drying (including combustion) shall not exceed 0.1176 pounds per ton of raw material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The dryer shall only be fired on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
17. The emissions from the dryer shall not exceed 4.3 ppmvd NOx @ 19% O2, 13.5 ppmvd CO @ 19% O2, 0.0028 lb/MMBtu for VOC, and 0.00285 lb/MMBtu for SOx. If measured O2 concentration is greater than 19%, the corrected NOx or CO concentration is equal to the measured NOx or CO concentration. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Particulate matter emissions shall not exceed 0.1 grain/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
19. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using equation $E=3.59 \times P^{0.62}$; P is less than or equal to 30 tons per hour, or $E=17.31 \times P^{0.16}$; P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
20. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801] Federally Enforceable Through Title V Permit
21. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
22. If either the NOx or CO concentrations corrected to 19% O2 (or no correction if measured above 19% O2), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] 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.

23. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4309] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309] Federally Enforceable Through Title V Permit
25. The operator or the owner shall maintain the copies of fuel invoices and supplier certifications. [District Rule 4801] Federally Enforceable Through Title V Permit
26. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
27. Operator shall maintain on file copy of fuel bills and certifications from supplier. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
28. Source testing for PM emissions using EPA Method 5 shall be conducted at least once every five years. For the purpose of complying with the emission limit, all PM will be considered to be PM₁₀. However, if the test fails to demonstrate compliance, the source shall return to annual source testing. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
29. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309]
30. Source testing to measure NO_x and CO emissions from this unit when fired on natural gas shall be conducted at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
31. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rule 4309] Federally Enforceable Through Title V Permit
32. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
33. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
34. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
35. 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
36. 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
37. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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38. Permittee shall perform a complete inspection of the baghouse and its components on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
39. 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 2520, 9.4.2] Federally Enforceable Through Title V Permit
40. Visible emissions from the exhaust of the scrubber shall be inspected daily 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, 9.4.2] Federally Enforceable Through Title V Permit
41. During each day of operation, the permittee shall record the scrubber liquid pH and flow rate (gallons per minute), and compare the readings with the permitted limits. Upon detecting any excursion from the permitted scrubber liquid pH or flow rate, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
42. If the unit is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired shall be determined using ASTM Method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
43. If the unit is not fired on PUC-regulated natural gas, the sulfur content of fuel source shall be tested weekly except that compliance with fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If the test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
44. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309] Federally Enforceable Through Title V Permit

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