JUL 07 2011

Jeffrey Curtin
Certainteed Corporation
17775 Avenue 23 1/2
Chowchilla, CA 93610

Re: Notice of Final Action - Title V Permit Renewal
District Facility # C-261
Project # C-1082188

Dear Mr. Curtin:

The District has issued the Final Renewed Title V Permit for Certainteed Corporation. The preliminary decision for this project was made on March 7, 2011. A summary of the comments and the District’s response to each comment is included as an attachment to the engineering evaluation.

The public notice for issuance of the Final Renewed Title V Permit will be published approximately three days from the date of this letter.

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

Sincerely,

David Warner
Director of Permit Services

Attachments

cc: Stanley Tom, Permit Services Engineer
JUL 07 2011

Gerardo C. Rios, Chief
Permits Office (AIR-3)
U.S. EPA - Region IX
75 Hawthorne St.
San Francisco, CA 94105

Re:  Notice of Final Action - Title V Permit Renewal
District Facility # C-261
Project # C-1082188

Dear Mr. Rios:

The District has issued the Final Renewed Title V Permit for Certainteed Corporation. The preliminary decision for this project was made on March 7, 2011. A summary of the comments and the District’s response to each comment is included as an attachment to the engineering evaluation.

The public notice for issuance of the Final Renewed Title V Permit will be published approximately three days from the date of this letter.

I would like to thank you and your staff for working with us. We appreciate your concurrence with this action. Should you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner
Director of Permit Services

Attachments

cc: Stanley Tom, Permit Services Engineer

Seyed Sadredin
Executive Director/Air Pollution Control Officer
JUL 07 2011

Mike Tollstrup, Chief
Project Assessment Branch
Air Resources Board
P O Box 2815
Sacramento, CA 95812-2815

Re: Notice of Final Action - Title V Permit Renewal
District Facility # C-261
Project # C-1082188

Dear Mr. Tollstrup:

The District has issued the Final Renewed Title V Permit for Certainteed Corporation. The preliminary decision for this project was made on March 7, 2011. A summary of the comments and the District’s response to each comment is included as an attachment to the engineering evaluation.

The public notice for issuance of the Final Renewed Title V Permit will be published approximately three days from the date of this letter.

I would like to thank you and your staff for working with us. Should you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner
Director of Permit Services

Attachments

cc: Stanley Tom, Permit Services Engineer
SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT
NOTICE OF FINAL DECISION TO ISSUE
RENEWED FEDERALLY MANDATED OPERATING PERMIT

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District has made its final decision to issue the renewed Federally Mandated Operating Permit to Certainteed Corporation for its fiberglass manufacturing operation 17775 Avenue 23 1/2, Chowchilla, California.

The District's analysis of the legal and factual basis for this proposed action, project #C-1082188, is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and the District office at the address below. For additional information regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900, or contact David Warner, Director of Permit Services, in writing at SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CA 93726-0244.
Certainteed Corporation
Comments to SJVAPCD on Certainteed Corporation Title V Renewal
April 8, 2011

Our only comments on the draft Title V Permit Renewal were on draft Permit C-261-3-8 (Production Line C-11). Our comments on this draft permit are included below.

Applicant Comment

1) We believe that this permit should be number C-261-3-11, since ATC C-261-3-10 was the last permit issued for this source. That permit was for the conversion of the oven burners to comply with NOx limits in Rule 4309. The draft Title V permit does include the correct conditions from ATC C-261-3-10.

District Response

Permit number C-261-3-8 is the correct permit number for this Title V Renewal. ATCs C-261-3-5 and '3-10 have been incorporated into the Title V permit in this Title V Renewal project.

Applicant Comment

2) The Title V permit adds requirements from MACT Subpart JJJJ, and for the most part these new conditions are consistent with our proposed list of applicable requirements from this MACT. The MACT standard has an option to comply with one of several emission rates in 40 CFR 63.3320(b), and compliance with these emission rates is demonstrated using the methods described in 40 CFR 63.3370. The draft Title V lists the compliance methods (which include an interpretation of the applicable emission rates) but not the original emission rates themselves. So, we would suggest that the following condition should be added to this permit based on 40 C.F.R. 63.3320 (b) and (c):

"(b) You must limit organic HAP emissions to the level specified in paragraph (b)(2) or (3) of this section. (2) No more than 4 percent of the mass of coating materials applied for each month at existing affected sources, and no more than 1.6 percent of the mass of coating materials applied for each month at new affected sources; or (3) No more than 20 percent of the mass of coating solids applied for each month at existing affected sources, and no more than 8 percent of the coating solids applied for each month at new affected sources. (c) You must demonstrate compliance with these limits by following the procedures in this permit."
District Response

The following condition has been added to permit C-261-3-8:

69. (b) The owner or operator must limit organic HAP emissions to the level specified in paragraph (b)(1), (2), (3), or (4) of this section. (1) No more than 5 percent of the organic HAP applied for each month (95 percent reduction at existing affected sources, and no more than 2 percent of the organic HAP applied for each month (98 percent reduction) at new affected sources; or (2) No more than 4 percent of the mass of coating materials applied for each month at existing affected sources, and no more than 1.6 percent of the mass of coating materials applied for each month at new affected sources; or (3) No more than 20 percent of the mass of coating solids applied for each month at existing affected sources, and no more than 8 percent of the coating solids applied for each month at new affected sources. (c) The owner or operator must demonstrate compliance with this subpart by following the procedures in 63.3370. [40 CFR 63, Subpart JJJJ]
Permit to Operate

FACILITY: C-261

LEGAL OWNER OR OPERATOR: CERTAINEED CORPORATION
MAILING ADDRESS: 17775 AVENUE 23 1/2
CHOWCHILLA, CA 93610

FACILITY LOCATION: 17775 AVENUE 23 1/2
CHOWCHILLA, CA 93610

FACILITY DESCRIPTION: FIBERGLASS MANUFACTURING OPERATION

EXPIRATION DATE: 05/31/2016

The Facility’s Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

Seyed Sadredin
Executive Director / APCO

David Warner
Director of Permit Services
FACILITY: C-261-0-3
EXPIRATION DATE: 05/31/2016

FACILITY-WIDE REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

3. Natural gas and propane consumption shall not exceed 3.55 million cubic feet per day and 1.295 trillion Btu in any 12 month period. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

4. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit

5. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit

6. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit

7. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit

8. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit

9. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit

10. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: CERTAINEED CORPORATION
Location: 17775 AVENUE 23 1/2, CHOWCHILLA, CA 93610

San Joaquin Valley
Air Pollution Control District
11. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

12. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

13. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit

14. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit

15. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit

16. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit

17. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit

18. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit

19. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit

20. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit

21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit

22. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit

23. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.
24. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

25. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

26. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit

27. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit

28. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit

29. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit

30. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit

31. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit

32. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

33. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit

34. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit

35. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit

36. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit

37. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and 8011] Federally Enforceable Through Title V Permit
38. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit

39. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit

40. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit

41. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit

42. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

43. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

44. Should the facility, as defined in 40 CFR section 68.3 become subject to part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 CFR section 68.10. The facility shall certify compliance as part of the annual certification as required by 40 CFR part 70. [40 CFR 68] Federally Enforceable Through Title V Permit

45. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

46. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

47. Sampling facilities for source testing shall be provided in accordance with the provisions of District Rule 1081 Source Sampling (last amended 12/16/93). [District Rule 1081] Federally Enforceable Through Title V Permit

48. In the event of changes in control or ownership, this Operating Permit shall be binding on new owners and operators. The applicant shall notify successor of the existence of this Operating Permit and its conditions in writing and forward a copy to the District, CARB, and EPA. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit
49. At all times, including periods of startup, shutdown, and malfunction, CertainTeed Corporation shall, to the extent practicable, maintain and operate the emission units (including the associated air pollution control equipment) covered by this permit in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

50. The applicant shall construct and operate the facility in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and District air quality regulations. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

51. Variances issued by local or state air pollution control agencies do not relieve CertainTeed Corporation from compliance with any of the terms and conditions of this Operating Permit. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

52. All correspondence as required by this Operating Permit shall be forwarded to: the District; Director, Air Division (Attn: Air-5), EPA Region 9, 75 Hawthorne St. San Francisco, CA 94105; Director, Stationary Source Div., CARB, Box 2815, Sacramento, CA 95812. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

53. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin November 20 of each year, unless alternative dates are approved by the District Compliance Division. These reports are due by December 31 or within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit

2. The baghouse associated with any of the 12 material storage silos and the batch mixing silo shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4201] Federally Enforceable Through Title V Permit

3. The pneumatic unloading system shall be maintained free of leaks such that no visible emissions are observed. [District Rule 2201] Federally Enforceable Through Title V Permit

4. Material received, including cullet, shall not exceed either of the following limits: 1.4 million pounds per day or 184,603 tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit

5. Emissions from the material handling operation - including receiving, unloading and conveying to silos, batch mixer and scales - shall not exceed either of the following limits: 0.0038 lb PM10/ton material when using the pneumatic unloading system or 0.0091 lb PM10/ton material when using bucket elevator unloading system. [District Rule 2201] Federally Enforceable Through Title V Permit

6. Emissions from the material handling operation - including receiving, unloading and conveying to silos, batch mixer and scales - shall not exceed 959 lb PM10/year. [District Rule 2201] Federally Enforceable Through Title V Permit

7. 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] Federally Enforceable Through Title V Permit

8. Records of the amount of material received on a daily basis and the total amount of material throughput in any calendar year shall be maintained, retained on-site for at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

9. 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] Federally Enforceable Through Title V Permit

10. Compliance with permit conditions in the Title V permit shall be deemed compliance with District Rule 4201 (12/17/92). A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

2. The glass melting furnace shall produce no more than 325 metric tons/day nor 118,625 metric tons/year. A permanent record of daily production shall be maintained and shall be available for inspection by the District, EPA or CARB. [District NSR Rule; District Rule 4354; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

3. With approval from EPA, CertainTeed Corporation may choose to conduct performance tests at production and firing rates less than maximum design capacity and may choose to test only the fuel expected to be used in the next 12-month time period, provided that actual plant production does not exceed the tested rate and provided that only the fuel for which tests have been performed is used. The emission rate for NOx established by the first test at the specific production rate (less than maximum plant capacity) shall become the applicable emission limit for NOx at the production rate tested, as in condition IX.B of PSD permit SJ 80-02. A fuel switch or an increase in production levels beyond the maximum tested rate for any product line requires approval by EPA prior to such production increases or fuel switch and may require additional performance testing. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

4. EPA shall be notified by letter 30 days prior to the fuel switch or production increase in order to make a determination of whether additional performance testing is required. In the case of an emergency fuel switch, EPA shall be notified by letter postmarked within 15 days of the fuel switch. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

5. The sulfur content of fuel oil shall not exceed 0.05% by weight. [District NSR Rule; Madera County Rule 404] Federally Enforceable Through Title V Permit

6. The rate of fuel oil consumption shall not exceed 570 gal/min nor 5,000,000 gal/year. [District NSR Rule] Federally Enforceable Through Title V Permit

7. Sulfur content of the fuel oil shall be determined by ASTM Method D-129, D-1552 or the most current method promulgated by ASTM. Other methods may be used if approved by EPA, Region 9 (Attention: A-3-3). [PSD ATC SJ 80-02; Madera County Rule 404] Federally Enforceable Through Title V Permit

8. Certification of the sulfur content of each fuel oil delivery by the supplier will be acceptable; the analytical method used to determine sulfur content must be one of those cited. [PSD ATC SJ 80-02; Madera County Rule 404] Federally Enforceable Through Title V Permit

9. All natural gas used by the facility shall be PUC regulated. [District NSR Rule; PSD ATC SJ 80-02; Madera County Rule 404] Federally Enforceable Through Title V Permit

10. A permanent record of daily production shall be maintained and shall be available for inspection by the District, EPA or CARB. [District NSR Rule; PSD ATC SJ 80-02] 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.
11. Source tests shall be performed while operating at design capacity. To determine worst case emissions, the tests shall be performed while firing on natural gas, and separately while firing 0.05% sulfur backup fuel oil. With prior EPA and District approval, source testing may be performed as otherwise provided. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

12. Source tests shall be performed at least on an annual basis, but not more than once every 18 months or sooner than every 6 months and at such other times as may be specified by the District or EPA. Tests shall comply with the procedures in 40 CFR (Part 60.8) for PM, NOx, SOx, and VOC. [District Rule 2520, 9.4.2; and Rule 4354, 6.3; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

13. PM shall be sampled according to the modified version of EPA's Method 5 which includes the impinger catch. [District NSR Rule; District Rule 4202; District Rule 2520, 9.4.2; PSD ATC SJ 80-02; and 40 CFR 60 Subpart CC] Federally Enforceable Through Title V Permit

14. Source tests for PM shall be performed at the outlet of the dry ESP, the outlet of the three wet ESP's and the final stack. The source tests for NOx, SOx, and VOC shall be performed at the final stack. [District NSR Rule; District Rule 4202; and Rule 2520, 9.4.2; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

15. The District and EPA (Attention: Air-5) shall be notified in writing 30 days in advance of the scheduled tests dates to allow time for the development of an approvable source test plan and to arrange for an observer to be present at the test. [District Rule 1081; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

16. The results of each source test shall be submitted to the District and EPA, Region 9 (Attention: Air-5) within 60 days after the test. [District Rule 1081; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

17. The outlets of the dry ESP and the final stack shall be so fitted as to permit performance of tests for pollutants (per 40 CFR 60, Appendix A) using portable equipment in a manner as approved by the EPA, CARB and the District. [District Rule 1081] Federally Enforceable Through Title V Permit

18. The applicant shall maintain and operate CEM to measure stack gas NOx concentration (per 40 CFR 60.13 and 40 CFR, Appendix B, Performance Spec. 2; and 40 CFR 60 Appendix F) and stack gas volumetric flow rate (per 40 CFR Part 52, Appendix E). [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

19. The applicant shall maintain and operate an opacity CEMS in the final stack to continuously measure the opacity of stack emissions. The opacity CEMS shall meet EPA specs. (40 CFR 60.13; and 40 CFR 60, Appendix B, Performance Specification 1) [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

20. CertainTeed Corporation shall submit to EPA (Attention: Air-5) a written report of all excess emissions for each calendar quarter. The report shall include the conditions specified in EPA Permit Special Conditions IX.J.4. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

21. CertainTeed shall continuously operate and maintain the caustic soda injection system for the pretreatment of the glass furnace gas stream upstream of the dry ESP. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

22. Both the caustic soda injection system (scrubber) and the dry electrostatic precipitator shall be functioning as air pollution abatement devices whenever the glass melting furnace is in operation. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

23. Dry Electrostatic Precipitator (ESP) outlet emissions shall not exceed 8.4 lbs PM/hr. [District NSR Rule; District Rule 4202; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

24. When the furnace is heated with LPG/propane, final stack emissions shall not exceed 547.2 lb PM/day, 432.0 lb HC/day, 1,341.6 lb NOx/day, 1,296.0 lb SOX/day, or 1,072.8 lb CO/day. [District Rule 2201] Federally Enforceable Through Title V Permit

25. When the furnace is heated with natural gas, final stack emissions shall not exceed 22.8 lb PM/hr, 18.0 lb HC/hr, 55.9 lb NOx/hr, 24.3 lb SOx/hr, nor 44.7 lb CO/hr. [District NSR Rule; District Rule 4354; District Rule 4202; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit
26. When the furnace is heated with fuel oil, final stack emissions shall not exceed 22.8 lb PM/hr, 18.0 lb HCl/hr, 40.0 lb NOx/hr, 54.0 lb SOx/hr, nor 44.7 lb CO/hr. [District NSR Rule; District Rule 4354; District Rule 4202; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

27. Natural gas and propane consumption shall not exceed 3.55 million cubic feet per day and 1.295 trillion Btu in any 12 month period. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

28. CertainTeed Corporation shall maintain and operate the following continuous emissions monitoring systems (CEMS) in the final stack: (1) a CEMS to measure stack gas NOx concentrations; (2) a CEMS to measure stack gas volumetric flow rates [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit


31. In the quarterly excess emission reports, CertainTeed Corporation shall report all dates and times when process gases are vented to the bypass stack, CertainTeed Corporation shall also report the reason for each instance of venting to the bypass stack. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

32. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: District Rules 4201 (12/17/92) and 4202 (12/17/92); and Madera County Rule 404. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

33. A record of each fuel consumption shall be maintained, kept onsite for at least five years and made available for inspection by EPA, CARB and the District upon request. [District 2520, 9.4.2] Federally Enforceable Through Title V Permit

34. Source shall be in compliance with all requirements of District Rule 4354 (2/21/02) by the end of startup as prescribed in Section 7.1, Table 2 of District Rule 4354 (2/21/02). [District Rule 4354] Federally Enforceable Through Title V Permit

35. Furnace shutdown shall not exceed 20 days, measured from the time furnace operations drop below the idle thresholds specified in Section 3.17 of District Rule 4354 to when all emissions from the furnace cease. [District Rule 4354] Federally Enforceable Through Title V Permit

36. NOx, CO and VOC emissions during idling shall not exceed the emissions limits as calculated in Section 5.4.2 of District Rule 4354 (2/21/02). [District Rule 4354] Federally Enforceable Through Title V Permit

37. Any source testing result, CEMS, or alternate emission monitoring method averaged value exceeding the applicable emission limits in Section 5.1, Section 5.2, Section 5.3, or Section 5.4 shall constitute a violation of the rule [District Rule 4354] Federally Enforceable Through Title V Permit

38. Permittee shall comply with Section 5.5 during startup. Startup exemption time shall not exceed 40 days, starting from the time of primary combustion system activation. [District Rule 4354] Federally Enforceable Through Title V Permit

39. Effective at the end of the startup period, emissions from the glass melting furnace shall not exceed the Tier 2 emission limits of District Rule 4354, Section 5.1 (2/21/02) as follows: 4.0 lb NOx/ton of glass pulled on a block 24-hour average, 1.0 lb CO/ton of glass pulled as averaged over a three hour period in accordance with the applicable test methods in Section 6.5.1 of District Rule 4354, Section 5.5.1 (2/21/02) and 0.25 lb VOC/ton of glass pulled as averaged over a three hour period in accordance with the applicable test methods in Section 6.5.1 of District Rule 4354, Section 5.5.1 (2/21/02). [District Rule 4354] Federally Enforceable Through Title V Permit

40. The emission control systems (ECS) shall be in operation whenever technologically feasible during startup, idling and shutdown conditions. [District Rule 4354] Federally Enforceable Through Title V Permit

41. During startup, the stoichiometric ratio of the primary furnace combustion system shall not exceed 5% oxygen as calculated from the actual fuel and oxidant flow measurements for combustion in the furnace. [District Rule 4354] Federally Enforceable Through Title V Permit
42. The owner or operator shall install, certify, maintain, operate and quality-assure a Continuous Parametric Monitoring System which continuously measures and records the furnace oxygen/fuel ratio. [District Rules 1080 and 4354] Federally Enforceable Through Title V Permit

43. The continuous parametric monitors specified in these permit conditions shall be installed, calibrated and operational prior to the next furnace source test. After the next furnace source test, the detection range of the Continuous Parametric Monitoring System shall be adjusted as necessary to accurately measure the resulting range of furnace oxygen/fuel ratio. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit

44. The furnace oxygen/fuel ratio shall be greater than 1.7 to 1. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit

45. Normal range for the furnace oxygen/fuel ratio shall be re-established during each source test required by this permit. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit

46. Results of the Continuous Parametric Monitoring System system shall be logged in one hour intervals for furnace oxygen/fuel ratio. [District Rules 1080 and 4354] Federally Enforceable Through Title V Permit

47. Operator shall maintain daily records of the total hours of operation, type and quantity of fuel used in the furnace, the quantity of glass pulled from the furnace, NOx emission rate in lb/ton of glass pulled. Operator shall maintain records of source tests and operating parameters established during initial source test, maintenance and repair, malfunction, and idling, start-up and shutdown. [District Rule 4354] Federally Enforceable Through Title V Permit

48. Source tests shall be performed at least on an annual basis and at such other times as may be specified by the District or EPA. Tests shall comply with the procedures in 40 CFR (Part 60.8) for PM, NOx, SOx, and VOC. [District Rule 2520, 9.4.2; and Rule 4354, 6.3; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

49. In the quarterly excess emission reports, CertainTeed shall report all dates and times when process gases are vented to the bypass stack and shall also report the reason for each instance of venting to the bypass stack. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

50. Excess emissions indicated by the CEM system shall be considered violations of the applicable emissions limits for the purposes of this permit. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

51. The owner or operator shall not discharge or cause to be discharged into the atmosphere in excess of 0.25 kilogram (kg) of filterable particulate matter (PM) per megagram (Mg) (0.5 pound [lb] of PM per ton) of glass pulled for each new or existing glass-melting furnace. [40 CFR 63, Subpart NNN and 40 CFR 60, Subpart CC] Federally Enforceable Through Title V Permit

52. The owner or operator must initiate corrective action within 1 hour when any 3-hour block average of the monitored dry electrostatic precipitator (DESP) parameter is outside the limit(s) established during the performance test as specified in 63.1384 and complete corrective actions in a timely manner according to the procedures in the operations, maintenance, and monitoring plan. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

53. The owner or operator must implement a QIP consistent with the compliance assurance monitoring provisions of 40 CFR part 64 subpart D when the monitored DESP parameter is outside the limit(s) established during the performance test as specified in 63.1384 for more than 5 percent of the total operating time in a 6-month block reporting period. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

54. The owner or operator must operate the DESP such that the monitored DESP parameter is not outside the limit(s) established during the performance test as specified in 63.1384 for more than 10 percent of the total operating time in a 6-month block reporting period. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

55. The owner or operator must initiate corrective action within 1 hour when the average glass pull rate of any 4-hour block period for glass melting furnaces equipped with continuous glass pull rate monitors, or daily glass pull rate for glass melting furnaces not so equipped, exceeds the average glass pull rate established during the performance test as specified in 63.1384, by greater than 20 percent and complete corrective actions in a timely manner according to the procedures in the operations, maintenance, and monitoring plan. [40 CFR 63, Subpart NNN] 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.
56. The owner or operator must implement a QIP consistent with the compliance assurance monitoring provisions of 40 CFR part 64, subpart D when the glass pull rate exceeds, by more than 20 percent, the average glass pull rate established during the performance test as specified in 63.1384 for more than 5 percent of the total operating time in a 6-month block reporting period. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

57. The owner or operator must operate each glass-melting furnace such that the glass pull rate does not exceed, by more than 20 percent, the average glass pull rate established during the performance test as specified in 63.1384 for more than 10 percent of the total operating time in a 6-month block reporting period. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

58. The owner or operator of each wool fiberglass manufacturing facility must prepare for each glass-melting furnace, rotary spin manufacturing line a written operations, maintenance, and monitoring plan. The plan must be submitted to the Administrator for review and approval as part of the application for a part 70 permit. The plan must include the following information: Procedures for the proper operation and maintenance of process modifications and add-on control devices used to meet the emission limits in 63.1382; Procedures for the proper operation and maintenance of monitoring devices used to determine compliance, including quarterly calibration and certification of accuracy of each monitoring device according to the manufacturer's instructions; and Corrective actions to be taken when process parameters or add-on control device parameters deviate from the limit(s) established during initial performance tests. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

59. The owner or operator must monitor the DESP according to the procedures in the operations, maintenance, and monitoring plan. The operations, maintenance, and monitoring plan for the ESP must contain the following information: The ESP operating parameter(s), such as secondary voltage of each electrical field, to be monitored and the minimum and/or maximum value(s) that will be used to identify any operational problems; A schedule for monitoring the ESP operating parameter(s); Recordkeeping procedures, consistent with the recordkeeping requirements of 63.1386, to show that the ESP operating parameter(s) is within the limit(s) established during the performance test; and Procedures for the proper operation and maintenance of the ESP. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

60. The owner or operator of an existing glass-melting furnace equipped with continuous glass pull rate monitors must monitor and record the glass pull rate on an hourly basis. For glass-melting furnaces that are not equipped with continuous glass pull rate monitors, the glass pull rate must be monitored and recorded once per day. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

61. The owner or operator must monitor the established parameter(s) according to the procedures in the operations, maintenance, and monitoring plan. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

62. The owner or operator must include as part of their operations, maintenance, and monitoring plan the following information: Procedures for the proper operation and maintenance of the process; Process parameter(s) to be monitored to demonstrate compliance with the applicable emission limits in 63.1382; Correlation(s) between process parameter(s) to be monitored and formaldehyde emissions; A schedule for monitoring the process parameter(s); and Recordkeeping procedures, consistent with the recordkeeping requirements of 63.1386, to show that the process parameter value(s) established during the performance test is not exceeded. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

63. For all control device and process operating parameters measured during the initial performance tests, the owners or operators of glass-melting furnaces subject to this subpart may change the limits established during the initial performance tests if additional performance testing is conducted to verify that, at the new control device or process parameter levels, they comply with the applicable emission limits in 63.1382. The owner or operator shall conduct all additional performance tests according to the procedures in this part 63, subpart A and in 63.1384. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit
64. The owner or operator shall conduct a performance test for each existing and new glass-melting furnace. All
monitoring systems and equipment must be installed, operational, and calibrated prior to the performance test. Unless
a different frequency is specified in this section, the owner or operator must monitor and record process and/or add-on
control device parameters at least every 15 minutes during the performance tests. The arithmetic average for each
parameter must be calculated using all of the recorded measurements for the parameter. [40 CFR 63, Subpart NNN]
Federally Enforceable Through Title V Permit

65. During each performance test, the owner or operator must monitor and record the glass pull rate for each glass-melting
furnace and, if different, the glass pull rate for each rotary spin manufacturing line and flame attenuation
manufacturing line. Record the glass pull rate every 15 minutes during any performance test required by this subpart
and determine the arithmetic average of the recorded measurements for each test run and calculate the average of the
three test runs. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

66. During the performance test, the owner or operator of a glass-melting furnace controlled by an DESP shall monitor and
record the DESP parameter level(s), as specified in the operations, maintenance, and monitoring plan, and establish the
minimum and/or maximum value(s) that will be used to demonstrate compliance after the initial performance test. [40
CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

67. To determine compliance with the PM emission limit for glass-melting furnaces, use the following equation: E = (C x
Q x K_I)/P, where: E = Emission rate of PM, kg/Mg (lb/ton) of glass pulled; C = Concentration of PM, g/dscm
(gr/dscf); Q = Volumetric flow rate of exhaust gases, dscm/h (dscf/h); K_I = Conversion factor, 1 kg/1,000 g (1
lb/7,000 gr); and P = Average glass pull rate, Mg/h (tons/h). [40 CFR 63, Subpart NNN and 40 CFR 60, Subpart CC]
Federally Enforceable Through Title V Permit

68. The owner or operator shall submit the following written initial notifications to the Administrator:(l) Notification of
intention to construct a new major source or reconstruct a major source; of the date construction or reconstruction
commenced; of the anticipated date of startup; of the actual date of startup, where the initial startup of a new or
reconstructed source occurs after June 14, 2002, and for which an application for approval or construction or
reconstruction is required (See 63.9(b)(4) and (5) of this part);(2) Notification of special compliance obligations;(3)
Notification of performance test; and (4) Notification of compliance status. [40 CFR 63, Subpart NNN] Federally
Enforceable Through Title V Permit

69. The owner or operator shall report the results of the initial performance test as part of the notification of compliance
status. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

70. The owner or operator shall develop and implement a written plan as described in 63.6(e)(3) of this part that contains
specific procedures to be followed for operating the source and maintaining the source during periods of startup,
shutdown, and malfunction and a program of corrective action for malfunctioning process modifications and control
systems used to comply with the standard. In addition to the information required in 63.6(e)(3), the plan shall
include:(i) Procedures to determine and record the cause of the malfunction and the time the malfunction began and
ended;(ii) Corrective actions to be taken in the event of a malfunction of a control device or process modification,
including procedures for recording the actions taken to correct the malfunction or minimize emissions; and(iii) A
maintenance schedule for each control device and process modification that is consistent with the manufacturer's
instructions and recommendations for routine and long-term maintenance. The owner or operator shall also keep
records of each event as required by 63.10(b) of this part and record and report if an action taken during a startup,
shutdown, or malfunction is not consistent with the procedures in the plan as described in 63.10(e)(3)(iv) of this part.
[40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

71. The owner or operator must retain each record for at least 5 years following the date of each occurrence, measurement,
maintenance, corrective action, report, or record. The most recent 2 years of records must be retained at the facility.
The remaining 3 years of records may be retained off site. [40 CFR 63, Subpart NNN] Federally Enforceable Through
Title V Permit
72. The owner or operator shall maintain records of the following information: DESP parameter value(s) used to monitor DESP performance, including any period when the value(s) deviated from the established limit(s), the date and time of the deviation, when corrective actions were initiated, the cause of the deviation, an explanation of the corrective actions taken, and when the cause of the deviation was corrected; and Glass pull rate, including any period when the pull rate exceeded the average pull rate established during the performance test by more than 20 percent, the date and time of the exceedance, when corrective actions were initiated, the cause of the exceedance, an explanation of the corrective actions taken, and when the cause of the exceedance was corrected. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

73. The owner or operator shall report semiannually if measured emissions are in excess of the applicable standard or a monitored parameter deviates from the levels established during the performance test. The report shall contain the information specified in 63.10(c) of this part as well as the additional records required by the recordkeeping requirements of paragraph (d) of this section. When no deviations have occurred, the owner or operator shall submit a report stating that no excess emissions occurred during the reporting period. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-261-3-8  
EXPIRATION DATE: 05/31/2016

EQUIPMENT DESCRIPTION:
55.24 MMBtu/HR C-11 FIBERGLASS PRODUCTION LINE CONSISTING OF: 7.34 MMBTU/HR FOREHEARTH #1 AND GLASS FIBERIZER AND MAT FORMING SECTION (WITH EIGHT - 3.8 MMBTU/HR FIBERIZERS) VENTED TO FOUR PEABODY AIR RESOURCES WET CYCLONIC SCRUBBERS AND CONTROLLED BY C-11 (SOUTH) WET ELECTROSTATIC PRECIPITATOR (ESP) VENTING TO THE FINAL STACK; A 17.5 MMBTU/HR CURING OVEN WITH 5 BURNERS RATED AT 3.5 MMBTU/HR, MAT COOLING SECTION, AND FACING SECTION CONTROLLED BY C-11 (NORTH) WET ELECTROSTATIC PRECIPITATOR (ESP) VENTING TO THE FINAL STACK; A PERMIT EXEMPT INFRARED DRYER; AND A SLITTING AND TRIMMING SECTION AND A ROLL UP PACKAGING SECTION CONTROLLED BY A 34,000 CFM BAGHOUSE #2 (SHARED BY PERMIT UNIT C-0261-4)

PERMIT UNIT REQUIREMENTS

1. The duration of startup and shutdown operation for the fiberglass curing oven shall not exceed 1 hour each startup and 1 hour each shutdown, per day nor 20 hours of startup operation and 20 hours of shutdown operation, per year. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit

2. Emissions from the fiberglass curing oven during startup/shutdown operation shall not exceed the following emission factors: 0.57 lb NOx/MMBtu (50 ppmv NOx @ 19% O2), 0.00285 lb SOx/MMBtu, 0.0076 lb PM10/MMBtu, 2.79 lb CO/MMBtu (400 ppmv CO @ 19% O2), and 0.0055 lb VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit

3. Emissions from the fiberglass curing oven during normal operation shall not exceed the following emission factors: 0.049 lb NOx/MMBtu (4.3 ppmv NOx @ 19% O2), 0.00285 lb SOx/MMBtu, 0.0076 lb PM10/MMBtu, 0.292 lb CO/MMBtu (42 ppmv CO @ 19% O2), and 0.0055 lb VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit

4. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 of the fiberglass curing oven 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

5. If either the NOx or CO concentrations corrected to 19% O2 of the fiberglass curing oven, 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 the performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
6. All alternate monitoring parameter emission readings from the fiberglass curing oven 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

7. The permittee shall maintain records of the following for the fiberglass curing oven: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations corrected to 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

8. All emissions measurements shall be made with the fiberglass curing oven 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

9. Source testing to measure NOx and CO emissions from the fiberglass curing oven when fired on natural gas shall be conducted within 60 days of initial start-up and at least once every 24 months thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit

10. 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

11. 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

12. All test results for NOx and CO from the fiberglass curing oven shall be reported in ppmv @ 19% O2, corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit

13. Fiberglass production on the C-11 Line shall not exceed 260 metric tons per day and 94,900 metric tons per year. A permanent record of daily production shall be maintained and shall be available for inspection by the District, EPA and CARB. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

14. With approval from EPA, CertainTeed Corporation may choose to conduct performance tests at production and firing rates less than maximum design capacity and may choose to test only the fuel expected to be used in the next 12-month time period, provided that actual plant production does not exceed the tested rate and provided that only the fuel for which tests have been performed is used. The emission rate for NOx established by the first test at the specific production rate (less than maximum plant capacity) shall become the applicable emission limit for NOx at the production rate tested, as in condition IX.B of PSD permit SJ 80-02. A fuel switch or an increase in production levels beyond the maximum tested rate for any product line requires approval by EPA prior to such production increases or fuel switch and may require additional performance testing. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

15. EPA shall be notified by letter 30 days prior to a production increase in order to make a determination of whether additional performance testing is required. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

16. Only PUC regulated natural gas shall be used. [PSD ATC SJ 80-02; Madera County Rule 404] Federally Enforceable Through Title V Permit

17. A permanent record of daily production shall be maintained and shall be available for inspection by EPA, CARB and the District. [District Rule 2520, 9.4.2; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

18. Source tests shall be performed at least on an annual basis and at such other times as may be specified by the District or EPA. Tests shall comply with the procedures in 40 CFR (Part 60.8) for PM, NOx, SOx, CO, and VOC. [District Rule 2520, 9.4.2; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit
19. PM shall be sampled according to the modified version of EPA's Method 5 which includes the impinger catch. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

20. The source tests for PM shall be performed at the outlet of the two wet ESP's (North and South) and the final stack. The source tests for NOx, SOx, CO, and VOC shall be performed at the final stack. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

21. The District and EPA (Attention: Air-5) shall be notified in writing 30 days in advance of the scheduled tests dates to allow time for the development of an approvable source test plan and to arrange for an observer to be present at the test. [District Rule 1081, 7.1; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

22. The result of each source test shall be submitted to the District and EPA, Region 9 (Attention: Air-5) within 60 days after the test. [District Rule 1081, 7.3; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

23. The outlets of both wet ESPs (North and South) and the final stack shall be so fitted as to permit performance of tests for pollutants (per 40 CFR 60, Appendix A) using portable equipment in a manner as approved by the EPA, CARB and the District. [District Rule 1081, 3.0] Federally Enforceable Through Title V Permit

24. CertainTeed shall continuously operate and maintain the wet cyclonic scrubbers for the pretreatment of the gas stream upstream of the south wet ESP. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

25. Both the cyclonic scrubbers and the South wet ESP shall be functioning as air pollution abatement devices whenever there is glass production on the C-11 Line. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

26. The North wet ESP shall be functioning as air pollutant abatement device whenever there is glass production on the C-11 Line. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

27. Baghouse #2 shall be functioning as air pollutant abatement device whenever there is glass production on the C-11 Line, except during periods of downtime required for baghouse maintenance. [District NSR Rule] Federally Enforceable Through Title V Permit

28. The combined North wet ESP and South wet ESP outlet emissions on C-II Line shall not exceed 11.8 lbs/hr of PM. [District Rule 4202; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

29. Natural gas and propane consumption shall not exceed 3.55 million cubic feet per day and 1.295 trillion Btu in any 12 month period. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

30. When fired on propane, the final stack emissions, which result from combining the C-1 dry ESP (PTO C-261-2), C-11 wet ESPs (North and South) and C-12 wet ESP (PTO C-261-4) emissions, shall not exceed any of the following limits: 656.6 lb PM/day, 518.4 lb HC/day, 1,609.9 lb NOx/day, 1,555.2 lb SOx/day, or 1,287.4 lb CO/day. [District Rule 2201] Federally Enforceable Through Title V Permit

31. When fired on natural gas, the final stack emissions, which result from combining the C-1 dry ESP (PTO C-261-2), C-11 wet ESP’s (North and South) and C-12 wet ESP (PTO C-261-4) emissions, shall not exceed any of the following limits: 27.4 lb PM/hr, 21.6 lb HC/hr, 67.1 lb NOx/hr, 29.2 lb SOx/hr, or 53.6 lb CO/hr. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

32. Visible emissions from baghouse #2 (shared by permit unit C-261-4) shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 4101, 5.0] Federally Enforceable Through Title V Permit

33. Dust collector(s) shall be maintained and operated according to manufacturer's specifications. [District NSR Rule] Federally Enforceable Through Title V Permit

34. Baghouse #2 (shared by permit unit C-261-4) 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

35. Dust collector(s) cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
36. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit

37. PM10 emissions from baghouse #2 (shared by permit unit C-261-4) shall not exceed 0.001 gr/dscf. [District Rule 2201; and District Rule 4201] Federally Enforceable Through Title V Permit

38. The owner or operator shall not discharge or cause to be discharged into the atmosphere in excess of 0.6 kg of formaldehyde per megagram (1.2 lb of formaldehyde per ton) of glass pulled for each existing rotary spin manufacturing line. [40 CFR 63.1382(a)(2)(i)] Federally Enforceable Through Title V Permit

39. The owner or operator must initiate corrective action within 1 hour when the average glass pull rate of any 4-hour block period for glass melting furnaces equipped with continuous glass pull rate monitors, or daily glass pull rate for glass melting furnaces not so equipped, exceeds the average glass pull rate established during the performance test as specified in 63.1384, by greater than 20 percent and complete corrective actions in a timely manner according to the procedures in the operations, maintenance, and monitoring plan. [40 CFR 63.1382(b)(5)(i)] Federally Enforceable Through Title V Permit

40. The owner or operator must implement a QIP consistent with the compliance assurance monitoring provisions of 40 CFR part 64, subpart D when the glass pull rate exceeds, by more than 20 percent, the average glass pull rate established during the performance test as specified in 63.1384 for more than 5 percent of the total operating time in a 6-month block reporting period. [40 CFR 63.1382(b)(5)(ii)] Federally Enforceable Through Title V Permit

41. The owner or operator must operate each glass-melting furnace such that the glass pull rate does not exceed, by more than 20 percent, the average glass pull rate established during the performance test as specified in 63.1384 for more than 10 percent of the total operating time in a 6-month block reporting period. [40 CFR 63.1382(b)(5)(iii)] Federally Enforceable Through Title V Permit

42. The owner or operator must initiate corrective action within 1 hour when the monitored process parameter level(s) is outside the limit(s) established during the performance test as specified in 63.1384 for the process modification(s) used to control formaldehyde emissions and complete corrective actions in a timely manner according to the procedures in the operations, maintenance, and monitoring plan. [40 CFR 63.1382(b)(8)(i)] Federally Enforceable Through Title V Permit

43. The owner or operator must implement a QIP consistent with the compliance assurance monitoring provisions of 40 CFR part 64, subpart D when the process parameter(s) is outside the limit(s) established during the performance test as specified in 63.1384 for more than 5 percent of the total operating time in a 6-month block reporting period. [40 CFR 63.1382(b)(8)(ii)] Federally Enforceable Through Title V Permit

44. The owner or operator must operate the process modifications such that the monitored process parameter(s) is not outside the limit(s) established during the performance test as specified in 63.1384 for more than 10 percent of the total operating time in a 6-month block reporting period. [40 CFR 63.1382(b)(8)(iii)] Federally Enforceable Through Title V Permit

45. The owner or operator must use a resin in the formulation of binder such that the free-formaldehyde content of the resin used does not exceed the free-formaldehyde range contained in the specification for the resin used during the performance test as specified in 63.1384. [40 CFR 63.1382(b)(9)] Federally Enforceable Through Title V Permit

46. The owner or operator must use a binder formulation that does not vary from the specification and operating range established and used during the performance test as specified in 63.1384. For the purposes of this standard, adding or increasing the quantity of urea and/or lignin in the binder formulation does not constitute a change in the binder formulation. [40 CFR 63.1382(b)(10)] Federally Enforceable Through Title V Permit
47. The owner or operator of each wool fiberglass manufacturing facility must prepare for each glass-melting furnace and rotary spin manufacturing line subject to the provisions of this subpart, a written operations, maintenance, and monitoring plan. The plan must be submitted to the Administrator for review and approval as part of the application for a part 70 permit. The plan must include the following information: Procedures for the proper operation and maintenance of process modifications and add-on control devices used to meet the emission limits in 63.1382; Procedures for the proper operation and maintenance of monitoring devices used to determine compliance, including quarterly calibration and certification of accuracy of each monitoring device according to the manufacturers' instructions; and Corrective actions to be taken when process parameters or add-on control device parameters deviate from the limit(s) established during initial performance tests. [40 CFR 63.1383(a)(1), (a)(2), (a)(3)] Federally Enforceable Through Title V Permit

48. The owner or operator of an existing glass-melting furnace equipped with continuous glass pull rate monitors must monitor and record the glass pull rate on an hourly basis. For glass-melting furnaces that are not equipped with continuous glass pull rate monitors, the glass pull rate must be monitored and recorded once per day. [40 CFR 63.1383(f)(1)] Federally Enforceable Through Title V Permit

49. The owner or operator who uses process modifications to control formaldehyde emissions must establish a correlation between formaldehyde emissions and a process parameter(s) to be monitored. [40 CFR 63.1383(i)(1)] Federally Enforceable Through Title V Permit

50. The owner or operator must monitor the established parameter(s) according to the procedures in the operations, maintenance, and monitoring plan. [40 CFR 63.1383(i)(2)] Federally Enforceable Through Title V Permit

51. The owner or operator must include as part of their operations, maintenance, and monitoring plan the following information: Procedures for the proper operation and maintenance of the process; Process parameter(s) to be monitored to demonstrate compliance with the applicable emission limits in 63.1382; Correlation(s) between process parameter(s) to be monitored and formaldehyde emissions; A schedule for monitoring the process parameter(s); and Recordkeeping procedures, consistent with the recordkeeping requirements of 63.1386, to show that the process parameter value(s) established during the performance test is not exceeded. [40 CFR 63.1383(i)(3)(i), (i)(3)(ii), (i)(3)(iii), (i)(3)(iv), (i)(3)(v)] Federally Enforceable Through Title V Permit

52. The owner or operator must monitor and record the free-formaldehyde content of each resin shipment received and used in the formulation of binder. [40 CFR 63.1383(j)] Federally Enforceable Through Title V Permit

53. The owner or operator must monitor and record the formulation of each batch of binder used. [40 CFR 63.1383(k)] Federally Enforceable Through Title V Permit

54. The owner or operator must monitor and record at least once every 8 hours, the product LOI and product density of each bonded wool fiberglass product manufactured. [40 CFR 63.1383(l)] Federally Enforceable Through Title V Permit

55. For all control device and process operating parameters measured during the initial performance tests, the owners or operators of glass-melting furnaces and rotary spin manufacturing lines subject to this subpart may change the limits established during the initial performance tests if additional performance testing is conducted to verify that, at the new control device or process parameter levels, they comply with the applicable emission limits in 63.1382. The owner or operator shall conduct all additional performance tests according to the procedures in this part 63, subpart A and in 63.1384. [40 CFR 63.1383(m)] Federally Enforceable Through Title V Permit

56. During each performance test, the owner or operator must monitor and record the glass pull rate for each glass-melting furnace and, if different, the glass pull rate for the C-11 rotary spin manufacturing line. Record the glass pull rate every 15 minutes during any performance test required by this subpart and determine the arithmetic average of the recorded measurements for each test run and calculate the average of the three test runs. [40 CFR 63.1384(a)(3)] Federally Enforceable Through Title V Permit

57. The owner or operator must conduct a performance test for the C-11 rotary spin manufacturing line, subject to this subpart, while producing the building insulation with the highest LOI expected to be produced on that line. [40 CFR 63.1384(a)(8)] Federally Enforceable Through Title V Permit
58. The owner or operator of each rotary spin manufacturing line regulated by this subpart must conduct performance tests using the resin with the highest free-formaldehyde content. During the performance test of each rotary spin manufacturing line regulated by this subpart, the owner or operator shall monitor and record the free-formaldehyde content of the resin, the binder formulation used, and the product LOI and density. [40 CFR 63.1384(a)(9)] Federally Enforceable Through Title V Permit

59. During the performance test, the owner or operator of a rotary spin manufacturing line who plans to use process modifications to comply with the emission limits in 63.1382 must monitor and record the process parameter level(s), as specified in the operations, maintenance, and monitoring plan, which will be used to demonstrate compliance after the initial performance test. [40 CFR 63.1384(a)(10)] Federally Enforceable Through Title V Permit

60. Unless disapproved by the Administrator, an owner or operator of a rotary spin or flame attenuation manufacturing line regulated by this subpart may conduct short-term experimental production runs using binder formulations or other process modifications where the process parameter values would be outside those established during performance tests without first conducting performance tests. Such runs must not exceed 1 week in duration unless the Administrator approves a longer period. The owner or operator must notify the Administrator and postmark or deliver the notification at least 15 days prior to commencement of the short-term experimental production runs. The Administrator must inform the owner or operator of a decision to disapprove or must request additional information prior to the date of the short-term experimental production runs. Notification of intent to perform an experimental short-term production run shall include the following information: (i) The purpose of the experimental production run; (ii) The affected line; (iii) How the established process parameters will deviate from previously approved levels; (iv) The duration of the experimental production run; (v) The date and time of the experimental production run; and (vi) A description of any emission testing to be performed during the experimental production run. [40 CFR 63.1384(a)(13)(i), (a)(13)(ii), (a)(13)(iii), (a)(13)(iv), (a)(13)(v), (a)(13)(vi)] Federally Enforceable Through Title V Permit

61. To determine compliance with the emission limit for formaldehyde for rotary spin manufacturing lines, use the following equation: 

\[ E = \frac{(C \times MW \times Q \times K_1 \times K_2)}{(K_3 \times P \times 10^6)} \]

where: 
- \( E \) = Emission rate of formaldehyde, kg/Mg (lb/ton) of glass pulled; 
- \( C \) = Measured volume fraction of formaldehyde, ppm; 
- \( MW \) = Molecular weight of formaldehyde, 30.03 g/mol; 
- \( Q \) = Volumetric flow rate of exhaust gases, dscm/h (scfm/h); 
- \( K_1 \) = Conversion factor, 1 kg/1,000 g (1 lb/453.6 g); 
- \( K_2 \) = Conversion factor, 1,000 L/m^3 (28.3 L/ft^3); 
- \( K_3 \) = Conversion factor, 24.45 L/g-mol; 
- \( P \) = Average glass pull rate, Mg/h (tons/h). [40 CFR 63.1384(c)] Federally Enforceable Through Title V Permit

62. The owner or operator shall submit the following written initial notifications to the Administrator: (1) Notification of intention to construct a new major source or reconstruct a major source; of the date construction or reconstruction commenced; of the anticipated date of startup; of the actual date of startup, where the initial startup of a new or reconstructed source occurs after June 14, 2002, and for which an application for approval or construction or reconstruction is required (See 63.9(b)(4) and (5) of this part); (2) Notification of special compliance obligations; (3) Notification of performance test; and (4) Notification of compliance status. [40 CFR 63.1386(a)(4), (a)(5), (a)(6), (a)(7)] Federally Enforceable Through Title V Permit

63. The owner or operator shall report the results of the initial performance test as part of the notification of compliance status. [40 CFR 63.1386(b)] Federally Enforceable Through Title V Permit

64. The owner or operator shall develop and implement a written plan as described in 63.6(e)(3) of this part that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning process modifications and control systems used to comply with the standard. In addition to the information required in 63.6(e)(3), the plan shall include: (i) Procedures to determine and record the cause of the malfunction and the time the malfunction began and ended; (ii) Corrective actions to be taken in the event of a malfunction of a control device or process modification, including procedures for recording the actions taken to correct the malfunction or minimize emissions; and (iii) A maintenance schedule for each control device and process modification that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance. The owner or operator shall also keep records of each event as required by 63.10(b) of this part and record and report if an action taken during a startup, shutdown, or malfunction is not consistent with the procedures in the plan as described in 63.10(e)(3)(iv) of this part. [40 CFR 63.1386(c)(1)(i), (c)(1)(ii), (c)(1)(iii), (c)(2)] Federally Enforceable Through Title V Permit

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These terms and conditions are part of the Facility-wide Permit to Operate.
65. The owner or operator must retain each record for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent 2 years of records must be retained at the facility. The remaining 3 years of records may be retained off site. [40 CFR 63.1386(d)(1)(i)] Federally Enforceable Through Title V Permit

66. The owner or operator shall maintain records of the following information: the formulation of each binder batch and the LOI and density for each product manufactured on a rotary spin manufacturing line subject to the provisions of this subpart, and the free formaldehyde content of each resin shipment received and used in the binder formulation; Process parameter level(s) for RS manufacturing lines that use process modifications to comply with the emission limits, including any period when the parameter level(s) deviated from the established limit(s), the date and time of the deviation, when corrective actions were initiated, the cause of the deviation, an explanation of the corrective actions taken, and when the cause of the deviation was corrected; and Glass pull rate, including any period when the pull rate exceeded the average pull rate established during the performance test by more than 20 percent, the date and time of the exceedance, when corrective actions were initiated, the cause of the exceedance, an explanation of the corrective actions taken, and when the cause of the exceedance was corrected. [40 CFR 63.1386(d)(2)(v), (d)(2)(vi), (d)(2)(ix)] Federally Enforceable Through Title V Permit

67. The owner or operator shall report semiannually if measured emissions are in excess of the applicable standard or a monitored parameter deviates from the levels established during the performance test. The report shall contain the information specified in 63.10(c) of this part as well as the additional records required by the recordkeeping requirements of paragraph (d) of this section. When no deviations have occurred, the owner or operator shall submit a report stating that no excess emissions occurred during the reporting period. [40 CFR 63.1386(e)] Federally Enforceable Through Title V Permit

68. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: District Rules 4201 (12/17/92) and 4202 (12/17/92); and Madera County Rule 404. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

69. (b) The owner or operator must limit organic HAP emissions to the level specified in paragraph (b)(1), (2), (3), or (4) of this section. (1) No more than 5 percent of the organic HAP applied for each month (95 percent reduction at existing affected sources, and no more than 2 percent of the organic HAP applied for each month (98 percent reduction) at new affected sources; or (2) No more than 4 percent of the mass of coating materials applied for each month at existing affected sources, and no more than 1.6 percent of the mass of coating materials applied for each month at new affected sources; or (3) No more than 20 percent of the mass of coating solids applied for each month at existing affected sources, and no more than 8 percent of the coating solids applied for each month at new affected sources. (c) The owner or operator must demonstrate compliance with this subpart by following the procedures in 63.3370. [40 CFR 63, Subpart JJJJ] Federally Enforceable Through Title V Permit

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70. (c) Organic HAP content. If the owner or operator determines compliance with the emission standards in 63.3320 by means other than determining the overall organic HAP control efficiency of a control device, the owner or operator must determine the organic HAP mass fraction of each coating material "as-purchased" by following one of the procedures in paragraphs (c)(1) through (3) of this section, and determine the organic HAP mass fraction of each coating material "as-applied" by following the procedures in paragraph (c)(4) of this section. If the organic HAP content values are not determined using the procedures in paragraphs (c)(1) through (3) of this section, the owner or operator must submit an alternative test method for determining their values for approval by the Administrator in accordance with 63.7(f). The recovery efficiency of the test method must be determined for all of the target organic HAP and a correction factor, if necessary, must be determined and applied. (1) Method 311. The owner or operator may test the coating material in accordance with Method 311 of appendix A of this part. The Method 311 determination may be performed by the manufacturer of the coating material and the results provided to the owner or operator. The organic HAP content must be calculated according to the criteria and procedures in paragraphs (c)(1)(i) through (iii) of this section. (i) Include each organic HAP determined to be present at greater than or equal to 0.1 mass percent for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and greater than or equal to 1.0 mass percent for other organic HAP compounds. (ii) Express the mass fraction of each organic HAP you include according to paragraph (c)(1)(i) of this section as a value truncated to four places after the decimal point (for example, 0.3791). (iii) Calculate the total mass fraction of organic HAP in the tested material by summing the counted individual organic HAP mass fractions and truncating the result to three places after the decimal point (for example, 0.763). (2) Method 24. For coatings, determine the volatile organic content as mass fraction of nonaqueous volatile matter and use it as a substitute for organic HAP using Method 24 of 40 CFR part 60, appendix A. The Method 24 determination may be performed by the manufacturer of the coating and the results provided to you. (3) Formulation data. The owner or operator may use formulation data to determine the organic HAP mass fraction of a coating material. Formulation data may be provided to the owner or operator by the manufacturer of the material. In the event of an inconsistency between Method 311 (appendix A of 40 CFR part 63) test data and a facility’s formulation data, and the Method 311 test value is higher, the Method 311 data will govern. Formulation data may be used provided that the information represents all organic HAP present at a level equal to or greater than 0.1 percent for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and equal to or greater than 1.0 percent for other organic HAP compounds in any raw material used. (4) As-applied organic HAP mass fraction. If the as-purchased coating material is applied to the web without any solvent or other material added, then the as-applied organic HAP mass fraction is equal to the as-purchased organic HAP mass fraction. Otherwise, the as-applied organic HAP mass fraction must be calculated using Equation 1a of 63.3370. [40 CFR 63, Subpart JJJJ] Federally Enforceable Through Title V Permit

71. (d) Volatile organic and coating solids content. If the owner or operator determines compliance with the emission standards in 63.3320 by means other than determining the overall organic HAP control efficiency of a control device and the owner or operator chooses to use the volatile organic content as a surrogate for the organic HAP content of coatings, the owner or operator must determine the as-purchased volatile organic content and coating solids content of each coating material applied by following the procedures in paragraph (d)(1) or (2) of this section, and the as-applied volatile organic content and coating solids content of each coating material by following the procedures in paragraph (d)(3) of this section. (1) Method 24. The owner or operator may determine the volatile organic and coating solids mass fraction of each coating applied using Method 24 (40 CFR part 60, appendix A.) The Method 24 determination may be performed by the manufacturer of the material and the results provided to the owner or operator. If these values cannot be determined using Method 24, the owner or operator must submit an alternative technique for determining their values for approval by the Administrator. (2) Formulation data. The owner or operator may determine the volatile organic content and coating solids content of a coating material based on formulation data and may rely on volatile organic content data provided by the manufacturer of the material. In the event of any inconsistency between the formulation data and the results of Method 24 of 40 CFR part 60, appendix A, and the Method 24 results are higher, the results of Method 24 will govern. (3) As-applied volatile organic content and coating solids content. If the as-purchased coating material is applied to the web without any solvent or other material added, then the as-applied volatile organic content is equal to the as-purchased volatile content and the as-applied coating solids content is equal to the as-purchased coating solids content. Otherwise, the as-applied volatile organic content must be calculated using Equation 1b of 63.3370 and the as-applied coating solids content must be calculated using Equation 2 of 63.3370. [40 CFR 63, Subpart JJJJ] Federally Enforceable Through Title V Permit

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72. (g) Volatile matter retained in the coated web or otherwise not emitted to the atmosphere. The owner or operator may choose to take into account the mass of volatile matter retained in the coated web after curing or drying or otherwise not emitted to the atmosphere when determining compliance with the emission standards in 63.3320. If the owner or operator chooses this option, the owner or operator must develop a testing protocol to determine the mass of volatile matter retained in the coated web or otherwise not emitted to the atmosphere and submit this protocol to the Administrator for approval. The owner or operator must submit this protocol with your site-specific test plan under 63.7(f). If the owner or operator intends to take into account the mass of volatile matter retained in the coated web after curing or drying or otherwise not emitted to the atmosphere and demonstrate compliance according to 63.3370(c)(3), (c)(4), (c)(5), or (d), then the test protocol the owner or operator submits must determine the mass of organic HAP retained in the coated web or otherwise not emitted to the atmosphere. Otherwise, compliance must be shown using the volatile organic matter content as a surrogate for the HAP content of the coatings. [40 CFR 63, Subpart JJJJ] Federally Enforceable Through Title V Permit

73. If the owner or operator chooses to demonstrate compliance by use of "as-purchased" compliant coating materials then you must demonstrate that: (i) Each coating material used at an existing affected source does not exceed 0.04 kg organic HAP per kg coating material, and each coating material used at a new affected source does not exceed 0.016 kg organic HAP per kg coating material as-purchased; or (ii) Each coating material used at an existing affected source does not exceed 0.2 kg organic HAP per kg coating solids, and each coating material used at a new affected source does not exceed 0.08 kg organic HAP per kg coating solids as-purchased. (2) If the owner or operator chooses to demonstrate compliance by use of "as-applied" compliant coating materials then the owner or operator must demonstrate that: (i) Each coating material used at an existing affected source does not exceed 0.04 kg organic HAP per kg coating material, and each coating material used at a new affected source does not exceed 0.016 kg organic HAP per kg coating solids as-applied; or (ii) Each coating material used at an existing affected source does not exceed 0.2 kg organic HAP per kg coating solids, and each coating material used at a new affected source does not exceed 0.08 kg organic HAP per kg coating solids as-applied; or (iii) Monthly average of all coating materials used at an existing affected source does not exceed 0.04 kg organic HAP per kg coating material, and monthly average of all coating materials used at a new affected source does not exceed 0.016 kg organic HAP per kg coating material as-applied on a monthly average basis; or (iv) Monthly average of all coating materials used at an existing affected source does not exceed 0.2 kg organic HAP per kg coating solids, and monthly average of all coating materials used at a new affected source does not exceed 0.08 kg organic HAP per kg coating solids as-applied on a monthly average basis. (3) If the owner or operator chooses to demonstrate compliance by tracking total monthly organic HAP applied then the owner or operator must demonstrate that total monthly organic HAP applied does not exceed the calculated limit based on emission limitations. [40 CFR 63, Subpart JJJJ] Federally Enforceable Through Title V Permit
74. Each owner or operator of an affected source subject to this subpart must submit the reports specified in paragraphs (b) through (g) of this section to the Administrator. (b) The owner or operator must submit an initial notification as required by 63.9(b). (1) Initial notification for existing affected sources must be submitted no later than 1 year before the compliance date specified in 63.3330(a). (2) Initial notification for new and reconstructed affected sources must be submitted as required by 63.9(b). (3) For the purpose of this subpart, a title V or part 70 permit application may be used in lieu of the initial notification required under 63.9(b), provided the same information is contained in the permit application as required by 63.9(b) and the State to which the permit application has been submitted has an approved operating permit program under part 70 of this chapter and has received delegation of authority from the EPA to implement and enforce this subpart. (4) If the owner or operator is using a permit application in lieu of an initial notification in accordance with paragraph (b)(3) of this section, the permit application must be submitted by the same due date specified for the initial notification. (c) The owner or operator must submit a semiannual compliance report according to paragraphs (c)(1) and (2) of this section. (1) Compliance report dates. (i) The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in 63.3330 and ending on June 30 or December 31, whichever date is the first date following the end of the calendar half immediately following the compliance date that is specified for the affected source in 63.3330. (ii) The first compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the calendar half immediately following the compliance date that is specified for the affected source in 63.3330. (iii) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. (iv) Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. (v) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), the owner or operator may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (c)(1)(i) through (iv) of this section. (2) The compliance report must contain the information in paragraphs (c)(2)(i) through (vi) of this section: (i) Company name and address. (ii) Statement by a responsible official with that official's name, title, and signature certifying the accuracy of the content of the report. (iii) Date of report and beginning and ending dates of the reporting period. (iv) If there are no deviations from any emission limitations (emission limit or operating limit) that apply to you, a statement that there were no deviations from the emission limitations during the reporting period, and that no CMS was inoperative, inactive, malfunctioning, out-of-control, repaired, or adjusted. (v) For each deviation from an emission limitation (emission limit or operating limit) that applies to the owner or operator and that occurs at an affected source where the owner or operator is not using a CEMS to comply with the emission limitations in this subpart, the compliance report must contain the information in paragraphs (c)(2)(i) through (iii) of this section, and: (A) The total operating time of each affected source during the reporting period. (B) Information on the number, duration, and cause of deviations (including unknown ca [40 CFR 63, Subpart JJJJ] Federally Enforceable Through Title V Permit

75. Each owner or operator of an affected source subject to this subpart must maintain the records specified in paragraphs (a)(1) and (2) of this section on a monthly basis in accordance with the requirements of 63.10(b)(1): (1) Records specified in 63.10(b)(2) of all measurements needed to demonstrate compliance with this standard, including: (i) Continuous emission monitor data in accordance with the requirements of 63.3350(d); (ii) Control device and capture system operating parameter data in accordance with the requirements of 63.3350(c), (e), and (f); (iii) Organic HAP content data for the purpose of demonstrating compliance in accordance with the requirements of 63.3360(c); (iv) Volatile matter and coating solids content data for the purpose of demonstrating compliance in accordance with the requirements of 63.3360(d); (v) Overall control efficiency determination using capture efficiency and control device destruction or removal efficiency test results in accordance with the requirements of 63.3360(e) and (f); and (vi) Material usage, organic HAP usage, volatile matter usage, and coating solids usage and compliance demonstrations using these data in accordance with the requirements of 63.3370(b), (c), and (d). (2) Records specified in 63.10(c) for each CMS operated by the owner or operator in accordance with the requirements of 63.3350(b). [40 CFR 63, Subpart JJJJ] Federally Enforceable Through Title V Permit

76. Each owner or operator of an affected source subject to this subpart must maintain records of all liquid-liquid material balances performed in accordance with the requirements of 63.3370. The records must be maintained in accordance with the requirements of 63.10(b). [40 CFR 63, Subpart JJJJ] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-261-4-8 EXPIRATION DATE: 05/31/2016

EQUIPMENT DESCRIPTION:
27.44 MMBTU/HR C-12 LINE INCLUDING FOREHEARTH #2; FIBERIZER CONTROLLED BY 3 FISHER-KLOSTERMANN (F-K) CYCLONIC SCRUBBERS; COLLECTION & SHREDDING CONTROLLED BY 2 CERTAINTEED CYCLONES/F-K SCRUBBERS/C-12 WET EP; BAGGING CONTROLLED BY BAGHOUSE #2

PERMIT UNIT REQUIREMENTS

1. Fiberglass production on the C-12 Line shall not exceed 260 metric tons per day and 94,900 metric tons per year. A permanent record of daily production shall be maintained and shall be available for inspection by the District, EPA and CARB. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

2. With approval from EPA, CertainTeed Corporation may choose to conduct performance tests at production and firing rates less than maximum design capacity and may choose to test only the fuel expected to be used in the next 12-month time period, provided that actual plant production does not exceed the tested rate and provided that only the fuel for which tests have been performed is used. The emission rate for NOx established by the first test at the specific production rate (less than maximum plant capacity) shall become the applicable emission limit for NOx at the production rate tested, as in condition IX.B of PSD permit SJ 80-02. A fuel switch or an increase in production levels beyond the maximum tested rate for any product line requires approval by EPA prior to such production increases or fuel switch and may require additional performance testing. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

3. EPA shall be notified by letter 30 days prior to a production increase in order to make a determination of whether additional performance testing is required. [PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

4. Only PUC regulated natural gas shall be used. [PSD ATC SJ 80-02; Madera County Rule 404] Federally Enforceable Through Title V Permit

5. A permanent record of daily production shall be maintained and shall be available for inspection by EPA, CARB and the District. [District Rule 2520, 9.4.2; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

6. Source tests shall be performed at least on an annual basis and at such other times as may be specified by the District or EPA. Tests shall comply with the procedures in 40 CFR (Part 60.8) for PM, NOx, SOx, and VOC. [District NSR Rule; District Rule 4354, 6.3; District Rule 2520, 9.4.2; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

7. PM shall be sampled according to the modified version of EPA’s Method 5 which includes the impinger catch. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

8. The source tests for PM shall be performed at the outlet of the wet ESP and the final stack. The source tests for NOx, SOx, and VOC shall be performed at the final stack. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

9. The District and EPA (Attention: Air-5) shall be notified in writing 30 days in advance of the scheduled tests dates to allow time for the development of an approvable source test plan and to arrange for an observer to be present at the test. [District Rule 1081; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

10. The result of each source test shall be submitted to the District and EPA, Region 9 (Attention: Air-5) within 60 days after the test. [District Rule 1081; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
11. The outlet of the wet ESP and the final stack shall be so fitted as to permit performance of tests for pollutants (per 40 CFR 60, Appendix A) using portable equipment in a manner as approved by the EPA, CARB and the District. [District Rule 1081; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

12. CertainTeed shall continuously operate and maintain the wet cyclonic scrubbers for the pretreatment of the gas stream upstream of the C-12 wet ESP. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

13. Both the cyclonic scrubbers and the C-12 wet ESP shall be functioning as air pollution abatement devices whenever there is glass production on the C-12 Line. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

14. Baghouse #2 shall be functioning as air pollutant abatement device whenever there is glass production on the C-12 Line. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

15. The C-12 wet ESP outlet emissions shall not exceed 4.5 lbs PM/hr nor 108 lb PM/day. [District NSR Rule; District Rule 4202; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

16. Natural gas and propane consumption shall not exceed 3.55 million cubic feet per day and 1.295 trillion Btu in any 12 month period. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

17. When fired on propane, the total stack emissions, which result from combining the C-1 dry ESP (PTO #C-261-2), C-11 wet ESP (PTO C-261-3) and C-12 wet ESP emissions, shall not exceed 547.2 lb PM/day, 432.0 lb HC/day, 1,341.6 lb NOx/day, 1,296.0 lb SOx/day, or 1,072.8 lb CO/day. [District Rule 2201] Federally Enforceable Through Title V Permit

18. The total stack emissions, which result from combining the C-1 dry ESP (PTO C-261-2), C-11 wet ESP (PTO C-261-3) and C-12 wet ESP emissions, shall not exceed 22.8 lb PM/hr. [District NSR Rule; PSD ATC SJ 80-02] Federally Enforceable Through Title V Permit

19. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: District Rules 4201 (12/17/92) and 4202 (12/17/92); and Madera County Rule 404. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

20. Particulate matter emissions shall not exceed 2.6 lb/hour, until EPA approves modification to PSD ATC SJ 80-02 to increase the maximum emission rate. Upon EPA approval, particulate matter emissions shall not exceed 4.5 lb/hour. [PSD ATC 80-02] Federally Enforceable Through Title V Permit

21. The owner or operator must initiate corrective action within 1 hour when the average glass pull rate of any 4-hour block period for glass melting furnaces equipped with continuous glass pull rate monitors, or daily glass pull rate for glass melting furnaces not so equipped, exceeds the average glass pull rate established during the performance test as specified in 63.1384, by greater than 20 percent and complete corrective actions in a timely manner according to the procedures in the operations, maintenance, and monitoring plan. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

22. The owner or operator must implement a QIP consistent with the compliance assurance monitoring provisions of 40 CFR part 64, subpart D when the glass pull rate exceeds, by more than 20 percent, the average glass pull rate established during the performance test as specified in 63.1384 for more than 5 percent of the total operating time in a 6-month block reporting period. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

23. The owner or operator must operate each glass-melting furnace such that the glass pull rate does not exceed, by more than 20 percent, the average glass pull rate established during the performance test as specified in 63.1384 for more than 10 percent of the total operating time in a 6-month block reporting period. [40 CFR 63, Subpart NNN] Federally Enforceable Through Title V Permit

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

1. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

2. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit

3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit

4. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

5. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

6. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2520, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

7. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit

8. 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 2520, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-261-28-5

EXPIRATION DATE: 05/31/2016

EQUIPMENT DESCRIPTION:
890 BHP CATERPILLAR MODEL D348 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING ELECTRICAL GENERATOR SET #2

PERMIT UNIT REQUIREMENTS

1. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

2. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit

3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit

4. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

5. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

6. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2520, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

7. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit

8. 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 2520, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

Facility Name: CERTAINEED CORPORATION
Location: 17775 AVENUE 23 1/2, CHOWCHILLA, CA 93610
C-261-28-5: Jun 30 2011 11:21AM - TOOMS
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-261-29-4
EXPIRATION DATE: 05/31/2016

EQUIPMENT DESCRIPTION:
125 HP CATERPILLAR EMERGENCY STANDBY DIESEL ENGINE, MODEL 3304 PC, FOR ONE WELL PUMP FOR EMERGENCY COOLING

PERMIT UNIT REQUIREMENTS

1. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit

2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

3. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit

4. 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 Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

5. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

6. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

7. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-261-30-3
EXPIRATION DATE: 05/31/2016

EQUIPMENT DESCRIPTION:
182 HP CUMMINS EMERGENCY DIESEL ENGINE #1, V-8, FOR EMERGENCY FIRE FIGHTING USE

PERMIT UNIT REQUIREMENTS

1. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit

2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

3. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit

4. 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 Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

5. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

6. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

7. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: C-261-31-3
EXPIRATION DATE: 05/31/2016

EQUIPMENT DESCRIPTION:
182 HP CUMMINS EMERGENCY DIESEL ENGINE #2, V-8, FOR EMERGENCY FIRE FIGHTING USE

PERMIT UNIT REQUIREMENTS

1. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit

2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

3. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit

4. 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 Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

5. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

6. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

7. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit

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