



MAY 18 2011

Daniel Armagost
Owens Brockway Glass Container
14700 W. Schulte Rd.
Tracy, CA 95377

**Re: Notice of Minor Title V Permit Modification
District Facility # N-593
Project # N-1110004**

Dear Mr. Armagost:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued Authorities to Construct N-593-2-7, '-11-7, '-37-1, '-38-1, '-39-1, '-40-1, and '-41-1 into the Title V operating permit. The applicant is proposing to modify heir existing hot end surface treatment permits to replace the existing dust collector with a duplex baghouse.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct N-593-2-7, '-11-7, '-37-1, '-38-1, '-39-1, '-40-1, and '-41-1, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill at (209) 557-6400.

Sincerely,

David Warner
Director of Permit Services

DW:JH/dg

Enclosures

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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



MAY 18 2011

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

Re: **Notice of Minor Title V Permit Modification**
District Facility # N-593
Project # N-1110004

Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. Owens Brockway Glass Container is proposing a Title V minor permit modification to incorporate the recently issued Authorities to Construct N-593-2-7, '-11-7, '-37-1, '-38-1, '-39-1, '-40-1, and '-41-1 into the Title V operating permit. The applicant is proposing to modify their existing hot end surface treatment permits to replace the existing dust collector with a duplex baghouse.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authorities to Construct N-593-2-7, '-11-7, '-37-1, '-38-1, '-39-1, '-40-1, and '-41-1, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill at (209) 557-6400.

Sincerely,

David Warner
Director of Permit Services

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TITLE V APPLICATION REVIEW

Minor Modification
Project #: N-1110004

Engineer: James Harader
Date: January 10, 2011

Facility Number: N-593
Facility Name: Owens Brockway Glass Container
Mailing Address: 14700 W. Schulte Rd
Tracy, CA 95377-8628

Contact Name: Daniel G. Armagost
Phone: (209) 836-8296

Responsible Official: Daniel Armagost
Title: Plant Manager

I. PROPOSAL

Owens Brockway Glass Container is proposing a Title V minor permit modification to incorporate Authorities to Construct N-593-2-7, -11-7, -37-1, -38-1, -39-1, -40-1, and -41-1 into the existing Title V operating permit. This proposal was to replace the existing dust collector with a new duplex baghouse and did not result in an emissions increase.

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

II. FACILITY LOCATION

This facility is located at 14700 W. Schulte Rd in Tracy, CA.

III. EQUIPMENT DESCRIPTION

- N-593-2-8:** HOT END SURFACE TREATMENT HOOD A1 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-11, '-37, '-38, '-39, '-40, AND '-41)
- N-593-11-8:** HOT END SURFACE TREATMENT HOOD C1 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-37, '-38, '-39, '-40, AND '-41)
- N-593-37-2:** HOT END SURFACE TREATMENT HOOD A2 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-38, '-39, '-40, AND '-41)
- N-593-38-2:** HOT END SURFACE TREATMENT HOOD B1 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-39, '-40, AND '-41)
- N-593-39-2:** HOT END SURFACE TREATMENT HOOD B2 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-38, '-40, AND '-41)
- N-593-40-2:** HOT END SURFACE TREATMENT HOOD C2 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-38, '-39, AND '-41)
- N-593-41-2:** HOT END SURFACE TREATMENT HOOD C3 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-38, '-39, AND '-40)

IV. SCOPE OF EPA AND PUBLIC REVIEW

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

V. APPLICABLE REQUIREMENTS

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

VI. DESCRIPTION OF PROPOSED MODIFICATIONS

N-593-2-8, -11-8, -37-2, -38-2, -39-2, -40-2, and -41-2

The applicant is proposing to Incorporate Authorities to Construct N-593-2-7, -11-7, -37-1, -38-1, -39-1, -40-1, and -41-1 into their existing Title V permit. The following proposed changes apply to each of the seven permits, as all seven permits are identical.

Modified Conditions			
Previous TV PTO Condition #	ATC Condition #	New TV PTO Condition #	Proposed Changes to Conditions
5 and 6	10 and 11	7 and 8	The existing conditions erroneously stated that material is transferred from the baghouse to a mixer. The facility has clarified that the material is transferred to a receiver, and is not mixed. Therefore, the term "mixer" has been replaced by "reciever" in both conditions.
7	12	9	The format of the PM10 limit has been revised to read "0.01107 lb/lb MBBT" instead of "1.107 x 10 ⁻² lb/lb MBBT". With the exception of the number format, this is not a change to the existing emission limit.
8 and 9	13 and 14	10 and 11	These conditions have been revised to remove the "equivalent daily" emission limits. The existing permits have hourly limits. Complying with the hourly limits already ensures compliance with the equivalent daily limits; therefore, the daily limits are redundant and have been removed.
16 through 19	22, 23, 24, and 26	19, 20,21, and 23	This project is to replace the existing dust collector with a duplex baghouse. These conditions have been revised to replace the term "dust collector" with the term "duplex baghouse".
22	18 and 19	15 and 16	The PM10 source test methods have been removed from the TV permit, since only initial PM10 testing was required and that requirement has been satisfied.

Removed Conditions	
Previous TV PTO Condition #	Proposed Changes to Conditions
24	This condition only applies to initial PM10 source testing. The initial PM10 source testing requirement has been satisfied, therefore this condition has been removed from the TV permit.
25	This condition initial testing requirements for VOC and PM10. These requirements were previously satisfied, therefore this condition has been removed from the TV permit.

Added Conditions		
ATC Condition #	New TV PTO Condition #	Proposed Changes to Conditions
No new Conditions have been added to the TV Permit.		

ATC Conditions that were not Added	
ATC Condition #	Proposed Changes to Conditions
1	This condition requires the facility to submit an application to modify the TV permit in accordance with the timeframes and procedures of District Rule 2520. This requirement has not been included on the new permit.
4 and 5	These conditions already appear on the facility-wide permit. Therefore, they have not been included on the new permit.

VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or Conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or Condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and Conditions include;

- a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
 - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements. In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;
 1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
 2. The source's suggested draft permit; and
 3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

VIII. ATTACHMENTS

- A. Proposed Modified Title V Operating Permits No. N-593-2-8, -11-8, -37-2, -38-2, -39-2, -40-2, and -41-2
- B. Authorities to Construct No. N-593-2-7, -11-7, -37-1, -38-1, -39-1, 40-1, and -41-1
- C. Title V Compliance Certification Form
- D. Previous TV Operating Permits No. N-593-2-5, -11-5, -37-0, -38-0, -39-0, -40-0, and -41-0

ATTACHMENT A

Proposed Modified Title V Operating Permits No.
N-593-2-8, -11-8, -37-2, -38-2, -39-2, -40-2, and -41-2

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-593-2-8

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT HOOD A1 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-11, '-37, '-38, '-39, '-40, AND '-41)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
4. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
8. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] 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.

Facility Name: OWENS-BROCKWAY GLASS CONTAINER
Location: 14700 W SCHULTE ROAD, TRACY, CA 95378
N-593-2-8: Jan 10 2011 2:32PM - HARADERJ

13. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
14. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
15. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
16. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
27. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-593-11-8

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT HOOD C1 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-37, '-38, '-39, '-40, AND '-41)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
4. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
8. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit

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N-593-11-8 - Jan 10 2011 2:32PM - HARADERU

13. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
14. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
15. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
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17. 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
18. 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
19. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
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26. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
27. Records of the daily amount of glass treated from line 22C shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-593-37-2

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT HOOD A2 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-38, '-39, '-40, AND '-41)

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

13. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
14. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
15. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
16. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
27. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-593-38-2

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT HOOD B1 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-39, '-40, AND '-41)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
4. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
8. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit

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

13. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
14. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
15. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
16. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
27. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-593-39-2

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT HOOD B2 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-38, '-40, AND '-41)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
4. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
8. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit

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

13. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
14. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
15. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
16. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
27. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-593-40-2

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT HOOD C2 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-38, '-39, AND '-41)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
4. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
8. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Ammonia (NH3) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit

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

13. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
14. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
15. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
16. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
27. Records of the daily amount of glass treated from line 22C shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-593-41-2

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT HOOD C3 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED MODEL (2)PR-144 (120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-38, '-39, AND '-40)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
4. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
8. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit

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

13. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
14. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
15. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
16. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
27. Records of the daily amount of glass treated from line 22C shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

DRAFT

ATTACHMENT B

Authorities to Construct No.

N-593-2-7, -11-7, -37-1, -38-1, -39-1, 40-1, and -41-1

COPY



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

AUTHORITY TO CONSTRUCT

PERMIT NO: N-593-2-7

ISSUANCE DATE: 08/12/2009

LEGAL OWNER OR OPERATOR: OWENS-BROCKWAY GLASS CONTAINER
MAILING ADDRESS: 14700 W SCHULTE RD
TRACY, CA 95376

LOCATION: 14700 W SCHULTE ROAD
TRACY, CA 95376

EQUIPMENT DESCRIPTION:

MODIFICATION OF HOT END SURFACE TREATMENT HOOD A1 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, AND '-41-0); TO REPLACE THE EXISTING BAGHOUSE WITH AN AEROPULSE INCORPORATED MODEL (2)PR-144(120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-11, '-37, '-38, '-39, '-40, AND '-41)

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadradin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

N-593-2-7 - Aug 12 2009 12:45PM - HARADERJ - Joint Inspection NOT Required

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Conditions for N-593-2-7 (continued)

7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
11. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201]
13. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201]
14. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201]
15. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
17. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
18. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201]
19. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201]
20. 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
21. 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
22. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2]
23. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2]
24. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2]
25. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Conditions for N-593-2-7 (continued)

Page 3 of 3

26. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2]
27. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
30. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: N-593-11-7

ISSUANCE DATE: 08/12/2009

LEGAL OWNER OR OPERATOR: OWENS-BROCKWAY GLASS CONTAINER
MAILING ADDRESS: 14700 W SCHULTE RD
TRACY, CA 95376

LOCATION: 14700 W SCHULTE ROAD
TRACY, CA 95376

EQUIPMENT DESCRIPTION:

MODIFICATION OF HOT END SURFACE TREATMENT HOOD C1 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-37-0, '-38-0, '-39-0, '-40-0, AND '-41-0); TO REPLACE THE EXISTING BAGHOUSE WITH AN AEROPULSE INCORPORATED MODEL (2)PR-144(120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-37, '-38, '-39, '-40, AND '-41)

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 567-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadreddin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

N-593-11-7: Aug 12 2009 12:45PM -- PARADER : Joint Inspection NOT Required

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Conditions for N-593-11-7 (continued)

7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
11. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201]
13. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201]
14. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201]
15. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
17. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
18. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201]
19. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201]
20. 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
21. 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
22. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2]
23. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2]
24. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2]
25. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

Conditions for N-593-11-7 (continued)

26. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2]
27. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
30. Records of the daily amount of glass treated from line 22C shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: N-593-37-1

ISSUANCE DATE: 08/12/2009

LEGAL OWNER OR OPERATOR: OWENS-BROCKWAY GLASS CONTAINER
MAILING ADDRESS: 14700 W SCHULTE RD
TRACY, CA 95376

LOCATION: 14700 W SCHULTE ROAD
TRACY, CA 95376

EQUIPMENT DESCRIPTION:

MODIFICATION OF HOT END SURFACE TREATMENT HOOD A2 WITH ONE (1) APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-38-0, '-39-0, '-40-0, AND '-41-0); TO REPLACE THE EXISTING BAGHOUSE WITH AN AEROPULSE INCORPORATED MODEL (2)PR-144(120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-38, '-39, '-40, AND '-41)

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadreghin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

N-593-37-1 : Aug 12 2009 12:45PM -- HARADERJ : Job Inspection NOT Required

Conditions for N-593-37-1 (continued)

7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The material removed from the baghouse and transferred into the mixer shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the mixer. [District Rule 4102]
11. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
12. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201]
13. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201]
14. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201]
15. Ammonia (NH3) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration (in ppmv) of NH3 at least once every week 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. [District Rule 4102]
17. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
18. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201]
19. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201]
20. 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
21. 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
22. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2]
23. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2]
24. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2]
25. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Page 3 of 3

Conditions for N-593-37-1 (continued)

26. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2]
27. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
30. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: N-593-38-1

ISSUANCE DATE: 08/12/2009

LEGAL OWNER OR OPERATOR: OWENS-BROCKWAY GLASS CONTAINER
MAILING ADDRESS: 14700 W SCHULTE RD
TRACY, CA 95376

LOCATION: 14700 W SCHULTE ROAD
TRACY, CA 95376

EQUIPMENT DESCRIPTION:

MODIFICATION OF HOT END SURFACE TREATMENT HOOD B1 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-37-0, '-39-0, '-40-0, AND '-41-0); TO REPLACE THE EXISTING BAGHOUSE WITH AN AEROPULSE INCORPORATED MODEL (2)PR-144(120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-39, '-40, AND '-41)

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

N-593-38-1: Aug 12 2009 12:45PM - HARADERJ : Joint Inspection NOT Required

Conditions for N-593-38-1 (continued)

7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
11. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201]
13. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201]
14. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201]
15. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
17. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
18. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201]
19. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201]
20. 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
21. 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
22. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2]
23. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2]
24. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2]
25. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

COPY

Page 3 of 3

Conditions for N-593-38-1 (continued)

26. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2]
27. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
30. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: N-593-39-1

ISSUANCE DATE: 08/12/2009

LEGAL OWNER OR OPERATOR: OWENS-BROCKWAY GLASS CONTAINER
MAILING ADDRESS: 14700 W SCHULTE RD
TRACY, CA 95376

LOCATION: 14700 W SCHULTE ROAD
TRACY, CA 95376

EQUIPMENT DESCRIPTION:

MODIFICATION OF HOT END SURFACE TREATMENT HOOD B2 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-37-0, '-38-0, '-40-0, AND '-41-0); TO REPLACE THE EXISTING BAGHOUSE WITH AN AEROPULSE INCORPORATED MODEL (2)PR-144(120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-38, '-40, AND '-41)

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Saadedin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

N-593-39-1 : Aug 12 2009 12:45PM -- HARADERJ : Joint Inspection NOT Required

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Conditions for N-593-39-1 (continued)

7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
11. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201]
13. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201]
14. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201]
15. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
17. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
18. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201]
19. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201]
20. 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
21. 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
22. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2]
23. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2]
24. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2]
25. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

Conditions for N-593-39-1 (continued)

26. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2]
27. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the weekly NH3 concentration from the glass treatment operations shall be maintained. [District Rule 4102]
30. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: N-593-40-1

ISSUANCE DATE: 08/12/2009

LEGAL OWNER OR OPERATOR: OWENS-BROCKWAY GLASS CONTAINER
MAILING ADDRESS: 14700 W SCHULTE RD
TRACY, CA 95376

LOCATION: 14700 W SCHULTE ROAD
TRACY, CA 95376

EQUIPMENT DESCRIPTION:

MODIFICATION OF HOT END SURFACE TREATMENT HOOD C2 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-37-0, '-38-0, '-39-0, AND '-41-0); TO REPLACE THE EXISTING BAGHOUSE WITH AN AEROPULSE INCORPORATED MODEL (2)PR-144(120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-38, '-39, AND '-41)

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann I or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

N-593-40-1; Aug 12 2009 12:45PM -- HARADERJ : Joint Inspection NOT Required

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Conditions for N-593-40-1 (continued)

7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
11. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201]
13. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201]
14. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201]
15. Ammonia (NH3) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration (in ppmv) of NH3 at least once every week 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. [District Rule 4102]
17. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
18. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201]
19. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201]
20. 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
21. 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
22. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2]
23. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2]
24. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2]
25. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

Conditions for N-593-40-1 (continued)

26. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2]
27. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]
30. Records of the daily amount of glass treated from line 22C shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: N-593-41-1

ISSUANCE DATE: 08/12/2009

LEGAL OWNER OR OPERATOR: OWENS-BROCKWAY GLASS CONTAINER
MAILING ADDRESS: 14700 W SCHULTE RD
TRACY, CA 95376

LOCATION: 14700 W SCHULTE ROAD
TRACY, CA 95376

EQUIPMENT DESCRIPTION:

MODIFICATION OF HOT END SURFACE TREATMENT HOOD C3 WITH ONE APPLICATION HOOD SERVED BY AN AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-37-0, '-38-0, '-39-0, AND '-40-0); TO REPLACE THE EXISTING BAGHOUSE WITH AN AEROPULSE INCORPORATED MODEL (2)PR-144(120)-10-H-N DUPLEX BAGHOUSE (SHARED WITH N-593-2, '-11, '-37, '-38, '-39, AND '-40)

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadreddin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

N-593-41-1; Aug 12 2009 12:45PM --HARADERJ : Job# Inspection NOT Required

Conditions for N-593-41-1 (continued)

7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The material removed from the baghouse and transferred into the receiver shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the receiver. [District Rule 4102]
11. The receiver shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emission rates from this unit shall not exceed either of the following limits: 0.01107 lb-PM10/lb-Monobutyltin Trichloride (MBTT) or 0.050 lb-VOC/lb-MBTT. [District Rule 2201]
13. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201]
14. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201]
15. Ammonia (NH3) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration (in ppmv) of NH3 at least once every week 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. [District Rule 4102]
17. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
18. VOC source testing shall be conducted using EPA Methods 18, 25, 25A, 25B, or ARB Method 100. Results shall be converted to lb-VOC/lb-MBTT. [District Rules 1081 and 2201]
19. The stack gas velocities shall be determined using EPA Method 2, the stack gas moisture content shall be determined using EPA Method 4, and the gas analysis for the determination of dry molecular weight shall be determined using EPA Method 3. [District Rules 1081 and 2201]
20. 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
21. 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
22. The baghouse shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2]
23. Baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2]
24. The baghouse system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2]
25. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

Conditions for N-593-41-1 (continued)

26. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2]
27. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-S, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the weekly NH3 concentration from the glass treatment operations shall be maintained. [District Rule 4102]
30. Records of the daily amount of glass treated from line 22C shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

ATTACHMENT C

Title V Compliance Certification Form

**San Joaquin Valley
Unified Air Pollution Control District**

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

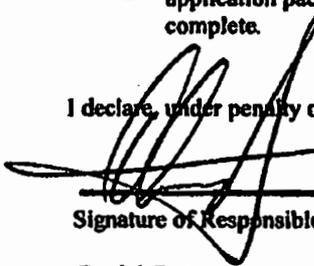
- SIGNIFICANT PERMIT MODIFICATION ADMINISTRATIVE AMENDMENT
 MINOR PERMIT MODIFICATION

COMPANY NAME: Owens-Brockway Glass Containers Inc.	FACILITY ID: N-593
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: Owens-Brockway Glass Containers Inc.	
3. Agent to the Owner:	

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

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

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



 Signature of Responsible Official

8/20/10

 Date

Daniel G. Armagost

 Name of Responsible Official (please print)

Plant Manager

 Title of Responsible Official (please print)

ATTACHMENT D

Previous TV Operating Permits No.
N-593-2-5, -11-5, -37-0, -38-0, -39-0, -40-0, and -41-0

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-593-2-5

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT A1: ONE (1) APPLICATION HOOD SERVED BY ONE (1) AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, AND '-41-0

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The material removed from the baghouse and transferred into the mixer shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the mixer. [District Rule 4102]
6. The mixer shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emission rates from this unit shall not exceed either of the following limits: PM10 - 1.107×10^{-2} lb PM10/lb MBTT or VOC - 0.050 lb VOC/lb MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr equivalent to 39.8 lb MBTT/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall not exceed 8.91 lb MBTT/hr equivalent to 213.8 lb MBTT/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
12. Records of the weekly NH₃ concentration from the glass treatment operations shall be maintained. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: OWENS-BROCKWAY GLASS CONTAINER
Location: 14700 W SCHULTE ROAD, TRACY, CA 95376
N-593-2-5: Jan 10 2011 2:34PM - HARADERJ

13. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Particulate matter emissions shall not exceed 0.1 grain/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Dust collector shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operator shall perform source testing for VOC (ppmv) and convert to lb-VOC/lb-MBTT according to EPA Method 25, 25A (or ARB Method 100), 25B, or 18, stack gas velocities by EPA Method 2, and stack gas moisture content by EPA Method 4, gas analysis for the determination of dry molecular weight by EPA Method 3, filterable Sn by EPA Method 29, Butylin Chlorides by ORTEPA Method, and Hydrogen Halide and Halogen EPA Method 26A. [District Rule 2201 and Rule 1081] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. Operator shall perform source testing for PM and convert to lb-PM10/lb-MBTT according to EPA Method 5. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
25. Initial source testing to speciate and quantify VOC and PM10 emissions shall be conducted within 90 days after initial start-up. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
26. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
27. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Records of the hourly and daily amount of MBTT used in the line shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

30. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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: N-593-11-5

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT C1: ONE (1) APPLICATION HOOD SERVED BY ONE (1) AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-37-0, '-38-0, '-39-0, '-40-0, AND '-41-0

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The material removed from the baghouse and transferred into the mixer shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the mixer. [District Rule 4102]
6. The mixer shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emission rates from this unit shall not exceed either of the following limits: PM10 - 1.107×10^{-2} lb PM10/lb MBTT or VOC - 0.50 lb VOC/lb MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
12. Records of the weekly NH₃ concentration from the baghouse shall be maintained and shall be made available for District inspection upon request. [District Rule 4102]
13. Records of the daily amount of glass treated from line 22C shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Particulate matter emissions shall not exceed 0.1 grain/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Dust collector shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operator shall perform source testing for VOC (ppmv) and convert to lb-VOC/lb-MBTT according to EPA Method 25, 25A (or ARB Method 100), 25B, or 18, stack gas velocities by EPA Method 2, and stack gas moisture content by EPA Method 4, gas analysis for the determination of dry molecular weight by EPA Method 3, filterable Sn by EPA Method 29, Butylin Chlorides by ORTEPA Method, and Hydrogen Halide and Halogen EPA Method 26A. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. Operator shall perform source testing for PM and convert to lb-PM10/lb-MBTT according to EPA Method 5. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
25. Initial source testing to speciate and quantify VOC and PM10 emissions shall be conducted within 90 days after initial start-up. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
26. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
27. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Records of the hourly amount of MBTT used in the line shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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: N-593-37-0

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT A2: ONE (1) APPLICATION HOOD SERVED BY ONE (1) AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-38-0, '-39-0, '-40-0, AND '-41-0

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The material removed from the baghouse and transferred into the mixer shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the mixer. [District Rule 4102]
6. The mixer shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emission rates from this unit shall not exceed either of the following limits: PM10 - 1.107×10^{-2} lb PM10/lb MBTT or VOC - 0.50 lb VOC/lb MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102 Rule] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
12. Records of the weekly NH₃ concentration from the baghouse shall be maintained and shall be made available for District inspection upon request. [District Rule 4102]
13. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Particulate matter emissions shall not exceed 0.1 grain/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Dust collector shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operator shall perform source testing for VOC (ppmv) and convert to lb-VOC/lb-MBTT according to EPA Method 25, 25A (or ARB Method 100), 25B, or 18, stack gas velocities by EPA Method 2, and stack gas moisture content by EPA Method 4, gas analysis for the determination of dry molecular weight by EPA Method 3, filterable Sn by EPA Method 29, Butylin Chlorides by ORTEPA Method, and Hydrogen Halide and Halogen EPA Method 26A. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. Operator shall perform source testing for PM and convert to lb-PM10/lb-MBTT according to EPA Method 5. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
25. Initial source testing to speciate and quantify VOC and PM10 emissions shall be conducted within 90 days after initial start-up. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
26. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
27. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Records of the hourly amount of MBTT used in the line shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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: N-593-38-0

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT B1: ONE (1) APPLICATION HOOD SERVED BY ONE (1) AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-37-0, '-39-0, '-40-0, AND '-41-0

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The material removed from the baghouse and transferred into the mixer shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the mixer. [District Rule 4102]
6. The mixer shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emission rates from this unit shall not exceed either of the following limits: PM10 - 1.107×10^{-2} lb PM10/lb MBTT or VOC - 0.50 lb VOC/lb MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102 Rule] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
12. Records of the weekly NH₃ concentration from the baghouse shall be maintained and shall be made available for District inspection upon request. [District Rule 4102]
13. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Particulate matter emissions shall not exceed 0.1 grain/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Dust collector shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operator shall perform source testing for VOC (ppmv) and convert to lb-VOC/lb-MBTT according to EPA Method 25, 25A (or ARB Method 100), 25B, or 18, stack gas velocities by EPA Method 2, and stack gas moisture content by EPA Method 4, gas analysis for the determination of dry molecular weight by EPA Method 3, filterable Sn by EPA Method 29, Butylin Chlorides by ORTEPA Method, and Hydrogen Halide and Halogen EPA Method 26A. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. Operator shall perform source testing for PM and convert to lb-PM10/lb-MBTT according to EPA Method 5. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
25. Initial source testing to speciate and quantify VOC and PM10 emissions shall be conducted within 90 days after initial start-up. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
26. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
27. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Records of the hourly amount of MBTT used in the line shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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: N-593-39-0

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT B2: ONE (1) APPLICATION HOOD SERVED BY ONE (1) AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-37-0, '-38-0, '-40-0, AND '-41-0

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The material removed from the baghouse and transferred into the mixer shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the mixer. [District Rule 4102]
6. The mixer shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emission rates from this unit shall not exceed either of the following limits: PM10 - 1.107×10^{-2} lb PM10/lb MBTT or VOC - 0.50 lb VOC/lb MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102 Rule] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
12. Records of the weekly NH₃ concentration from the baghouse shall be maintained and shall be made available for District inspection upon request. [District Rule 4102]
13. Records of the daily amount of glass treated from lines 22A & 22B shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Particulate matter emissions shall not exceed 0.1 grain/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Dust collector shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operator shall perform source testing for VOC (ppmv) and convert to lb-VOC/lb-MBTT according to EPA Method 25, 25A (or ARB Method 100), 25B, or 18, stack gas velocities by EPA Method 2, and stack gas moisture content by EPA Method 4, gas analysis for the determination of dry molecular weight by EPA Method 3, filterable Sn by EPA Method 29, Butylin Chlorides by ORTEPA Method, and Hydrogen Halide and Halogen EPA Method 26A. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. Operator shall perform source testing for PM and convert to lb-PM10/lb-MBTT according to EPA Method 5. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
25. Initial source testing to speciate and quantify VOC and PM10 emissions shall be conducted within 90 days after initial start-up. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
26. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
27. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Records of the hourly amount of MBTT used in the line shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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: N-593-40-0

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT C2: ONE (1) APPLICATION HOOD SERVED BY ONE (1) AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-37-0, '-38-0, '-39-0, AND '-41-0

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The material removed from the baghouse and transferred into the mixer shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the mixer. [District Rule 4102]
6. The mixer shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emission rates from this unit shall not exceed either of the following limits: PM10 - 1.107×10^{-2} lb PM10/lb MBTT or VOC - 0.50 lb VOC/lb MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102 Rule] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
12. Records of the weekly NH₃ concentration from the baghouse shall be maintained and shall be made available for District inspection upon request. [District Rule 4102]
13. Records of the daily amount of glass treated from line 22C shall be maintained and shall be made available for District inspection upon request. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Particulate matter emissions shall not exceed 0.1 grain/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Dust collector shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operator shall perform source testing for VOC (ppmv) and convert to lb-VOC/lb-MBTT according to EPA Method 25, 25A (or ARB Method 100), 25B, or 18, stack gas velocities by EPA Method 2, and stack gas moisture content by EPA Method 4, gas analysis for the determination of dry molecular weight by EPA Method 3, filterable Sn by EPA Method 29, Butylin Chlorides by ORTEPA Method, and Hydrogen Halide and Halogen EPA Method 26A. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. Operator shall perform source testing for PM and convert to lb-PM10/lb-MBTT according to EPA Method 5. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
25. Initial source testing to speciate and quantify VOC and PM10 emissions shall be conducted within 90 days after initial start-up. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
26. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
27. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Records of the hourly amount of MBTT used in the line shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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: N-593-41-0

EXPIRATION DATE: 07/31/2012

EQUIPMENT DESCRIPTION:

HOT END SURFACE TREATMENT C3: ONE (1) APPLICATION HOOD SERVED BY ONE (1) AEROPULSE INCORPORATED BAGHOUSE (MODEL PR-144 (120)-10-H-N) COMMON TO '-2-5, '-11-5, '-37-0, '-38-0, '-39-0, AND '-40-0

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse serving the hot end surface treatment systems shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The material removed from the baghouse and transferred into the mixer shall be prevented from being re-entrained into the atmosphere. No material shall accumulate outside of the mixer. [District Rule 4102]
6. The mixer shall remain sealed at all times except during maintenance. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emission rates from this unit shall not exceed either of the following limits: PM10 - 1.107×10^{-2} lb PM10/lb MBTT or VOC - 0.50 lb VOC/lb MBTT. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The maximum throughput of MBTT used in this hot end surface treatment system shall not exceed 1.66 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The maximum combined throughput of MBTT used in hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed 8.91 lb MBTT/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Ammonia (NH₃) emissions combined for hot end surface treatment systems N-593-2, '-11, '-37, '-38, '-39, '-40, and '-41 shall not exceed either of the following limits: 1.8 lb/hr or 150 ppmvd. [District Rules 2201 and 4102 Rule] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record the stack concentration (in ppmv) of NH₃ at least once every week 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. [District Rule 4102]
12. Records of the weekly NH₃ concentration from the baghouse shall be maintained and shall be made available for District inspection upon request. [District Rule 4102]
13. Records of the daily amount of glass treated from line 22C shall be maintained and shall be made available for District inspection upon request. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Particulate matter emissions shall not exceed 0.1 grain/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Dust collector shall be inspected weekly while in operation for visible emissions. If visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bags as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. Pressure gauges shall be inspected weekly and the results shall be recorded and made available for District inspection upon request. Corrective actions shall be implemented on the control equipment if indicated by the inspections. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operator shall perform source testing for VOC (ppmv) and convert to lb-VOC/lb-MBTT according to EPA Method 25, 25A (or ARB Method 100), 25B, or 18, stack gas velocities by EPA Method 2, and stack gas moisture content by EPA Method 4, gas analysis for the determination of dry molecular weight by EPA Method 3, filterable Sn by EPA Method 29, Butylin Chlorides by ORTEPA Method, and Hydrogen Halide and Halogen EPA Method 26A. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. Operator shall perform source testing for PM and convert to lb-PM10/lb-MBTT according to EPA Method 5. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
25. Initial source testing to speciate and quantify VOC and PM10 emissions shall be conducted within 90 days after initial start-up. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
26. Source testing to determine the rate of VOC, expressed as lb-VOC/lb-MBTT, shall be conducted at least once every twelve (12) months. [District Rules 2201 and 1081] Federally Enforceable Through Title V Permit
27. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Records of the hourly amount of MBTT used in the line shall be maintained and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of the combined throughput of MBTT used in hot end surface treatment systems N-593-2-5, '-11-5, '-37-0, '-38-0, '-39-0, '-40-0, and '-41-0 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

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