



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
DEFIANCE COUNTY**

**CERTIFIED MAIL**

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov.  
Center

**Application No: 03-13943**

**DATE: 5/22/2003**

Johns Manville Plant 2  
Don Clark  
P.O. Box 158  
Defiance, OH 43512

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

*Michael W. Ahern*

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

NWDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install  
Terms and Conditions**

**Issue Date: 5/22/2003  
Effective Date: 5/22/2003**

**FINAL PERMIT TO INSTALL 03-13943**

Application Number: 03-13943  
APS Premise Number: 0320010003  
Permit Fee: **\$800**  
Name of Facility: Johns Manville Plant 2  
Person to Contact: Don Clark  
Address: P.O. Box 158  
Defiance, OH 43512

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**400 Perry St**  
**Defiance, Ohio**

Description of proposed emissions unit(s):  
**Modification of two forming and collection units.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. State and Federally Enforceable Permit To Install General Terms and Conditions

#### 1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

calendar quarters. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

## **2. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

## **3. Risk Management Plans**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

## **4. Title IV Provisions**

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

## 5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

## 6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

## 7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

## 8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are

required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

## 9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

## 10. Permit To Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

## 11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

## 12. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

## **B. State Only Enforceable Permit To Install General Terms and Conditions**

### **1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

### **2. Reporting Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

### **3. Permit Transfers**

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

### **4. Termination of Permit To Install**

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

## **5. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

## **6. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

## **7. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

## **8. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

**C. Permit To Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)  
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
CO	509.56
PE	64.62
OC	47.70
NOx	34.40
fluoride	2.14

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Johns Manville Plant 2

PTI Application: **03-13943**

**Issued: 5/22/2003**

Facility ID: **0320010003**

**Part II - FACILITY SPECIFIC TERMS AND CONDITIONS**

**A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	OAC rule 3745-31-05(A)(3)
P008 - Line 23 forming and collection unit (existing unit not previously issued under a PTI) Modification to allow for production of new product	OAC rule 3745-31-10 through 20	
	OAC rule 3745-31-05(D)	
		OAC rule 3745-21-07(G)(2)
		OAC rule 3745-17-11(B)
		OAC rule 3745-17-07(A)

OAC rule 3745-23-06(B)

OAC rule 3745-18-06

Applicable Emissions Limitations/Control Measures	6.32 lbs NOx/hr
See A.I.2.a	0.39 lbs fluoride/hr
74.73 lbs CO/hr	See A.II.1
See A.I.2.b	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
262.87 tons carbon monoxide (CO) per rolling 12-month period based upon a restriction on glass pullrates.	Visible PE from the stack(s) servicing this emission unit shall not exceed 20% opacity as a 6-minute average except as provided by rule.
29.73 tons particulate emissions (PE) per rolling 12-month period based upon a restriction on glass pullrates (see A.I.2.c).	Not Applicable (See A.I.2.e)
21.41 tons organic compounds (OC) per rolling 12-month period based upon a restriction on glass pullrates (see A.I.2.d).	See A.I.2.f
16.84 tons nitrogen oxide (NOx) per rolling 12-month period based upon a restriction on glass pullrates.	See A.I.2.g
1.04 tons fluorides per rolling 12-month period based upon a restriction on glass pullrates.	
The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-10 through 20, and OAC rule 3745-17-07(A).	
9.92 lbs PE/hr	
5.12 lbs OC/hr	

Emissions Unit ID: P008

**2. Additional Terms and Conditions**

- 2.a** Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that no control technologies for CO were cost effective.
- 2.b** The permittee has requested federally enforceable restrictions to limit the potential to emit from the emissions units contained in this permit to install by limiting the annual glass pull rate for the two highest emitting product groups manufactured in this emissions unit (See A.II.2 & A.II.3)
- 2.c** All PE is assumed to be in the form of PM<sub>10</sub>.
- 2.d** For purposes of federal enforceability the restriction of OC's effectively restricts volatile organic compounds (VOC).
- 2.e** 40 CFR 63 Subpart NNN is not applicable to this emissions unit because this is a modification to an existing source that produces bonded heavy-density product.

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- 2.f** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with best available technology requirements established pursuant to OAC rule 3745-21-05(A)(3) in this permit to install.
- 2.g** The emissions unit is exempt from the requirements of OAC rule 3745-18-06 in accordance with OAC rule 3745-18-06(A).

**II. Operational Restrictions**

- 1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.
- 2. The maximum annual glass pullrates for low-medium efficiency products shall not exceed 780,000 pounds, based upon a rolling 12-month summation of low-medium efficiency product glass pullrates.

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the permittee shall not exceed the glass pullrates specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Glass Pullrates (in pounds)</u>
1	79,200
1-2	144,000
1-3	201,600
1-4	259,200
1-5	316,800
1-6	374,400
1-7	432,000
1-8	489,600
1-9	561,600
1-10	633,600
1-11	705,600
1-12	780,000

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual glass pullrates limitation shall be based upon a rolling 12-month summation of the low-medium efficiency product glass pullrates.

3. The maximum annual glass pullrates for high efficiency products shall not exceed 813,120 pounds, based upon a rolling 12-month summation of the high efficiency products glass pullrates.

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the permittee shall not exceed the glass pullrates specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Glass Pullrates (in pounds)</u>
1	61,459
1-2	129,254
1-3	200,218
1-4	271,181
1-5	342,144
1-6	413,107
1-7	484,070
1-8	555,034
1-9	619,661
1-10	684,288
1-11	748,915
1-12	813,120

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual glass pullrates limitation shall be based upon a rolling 12-month summation of the high efficiency products glass pullrates.

### III. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain records of the following information for this emissions unit:
  - a. company identification for each liquid organic material employed in this emissions unit; and
  - b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.
  
2. The permittee shall perform checks at least five (5) days per week, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

Emissions Unit ID: P008

- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- 3. The permittee shall maintain the following monthly records for this emissions units:
  - a. the company identification for each product manufactured;
  - b. documentation of the type and/or efficiency of each product manufactured;
  - c. the glass pullrates for each product manufactured, in pounds;
  - d. for the first 12 months of operation under the provisions of this permit, the cumulative monthly glass pullrates for high efficiency products manufactured, in pounds;
  - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly glass pullrates for low-medium efficiency products manufactured, in pounds;
  - f. after the first 12 months of operation, under the provisions of this permit, the rolling, 12-month summation of glass pullrates for high efficiency products manufactured, in pounds; and
  - g. after the first 12 months of operation, under the provisions of this permit, the rolling, 12-month summation of glass pullrates for low-medium efficiency products manufactured, in pounds.
- 4. In addition to the above information, the permittee shall also collect and record the following information each month for this emissions unit:
  - a. the total glass pullrates for each product group manufactured, in pounds per month;
  - b. the calculated emission rates for CO, PE, OC, NO<sub>x</sub> and fluorides (4.a x product specific emission factor) for each product group manufactured, in tons per month;
  - c. the total emission rates for CO, PE, OC, NO<sub>x</sub> and fluorides for all product groups manufactured (summation of 4.b) in tons per month; and

- d. the annual CO, PE, OC, NO<sub>x</sub> and fluorides emission rates, in tons, based upon the rolling, 12-month summation of each respective pollutant's monthly emission rate.

#### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of photochemically reactive material. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of:
  - a. the rolling, 12-month glass pullrates limitations for low-medium and high efficiency products;
  - b. for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative glass pullrates for low-medium and high efficiency products; and
  - c. the rolling, 12-month emission limitations for CO, PE, OC, NO<sub>x</sub> and fluorides.

These deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

#### V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. the emissions testing shall be conducted within 6 months following the first day this emissions unit commences modified operation/s as allowed for by this PTI.

Emissions Unit ID: P008

- b. The emissions testing shall be conducted to demonstrate compliance with the allowable mass emission rate for CO and PE.
- c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate:
  - i. CO: Methods 1-4 & 10 as specified in 40 CFR Part 60, Appendix A.
  - ii. PE: Methods 1-5 (including the back half of the sampling train) as specified in 40 CFR Part 60, Appendix A.
- d. The test shall be conducted while the emissions unit is operating at its maximum capacity for the worst case scenario (the emissions unit should be tested while producing a high efficiency product at its maximum glass pull rate as indicated in PTI application 03-13943), unless otherwise specified or approved by the Director or appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

- 2. Compliance with the emission limitations in section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
 The maximum annual glass pullrates for low-medium efficiency products shall not exceed 780,000 pounds, based upon a rolling 12-month summation of low-medium efficiency products glass pullrates.

Applicable Compliance Method:

Compliance with the rolling, 12-month glass pullrates restriction shall be demonstrated by the record keeping requirements specified in section A.III.3.

b. Emission Limitation:

The maximum annual glass pullrates for high efficiency products shall not exceed 813,120 pounds, based upon a rolling 12-month summation of high efficiency products glass pullrates.

Applicable Compliance Method:

Compliance with the rolling, 12-month glass pullrates restriction shall be demonstrated by the record keeping requirements specified in section A.III.3.

c. Emission Limitation:

74.73 lbs CO/hr, 262.87 tons CO per rolling 12-month period

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be demonstrated by the emission testing requirements in A.V.1.

Compliance with the rolling 12-month emission limitation shall be demonstrated by the record keeping requirements specified in section A.III.4.

d. Emission Limitation:

9.92 lbs PE/hr, 29.73 tons PE per rolling 12-month period

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be demonstrated by the emission testing requirements in A.V.1.

Compliance with the rolling 12-month emission limitation shall be demonstrated by the Record keeping requirements specified in section A.III.4.

e. Emission Limitation:

5.12 lbs OC/hr, 21.41 tons OC per rolling 12-month period

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit\*, therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 18, 25 and/or 25A of 40 CFR Part 60,

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Compliance with the rolling 12-month emission limitation shall be demonstrated by the Record keeping requirements specified in section A.III.4.

\*The potential to emit was determined by multiplying the maximum glass pull rate as indicated in the permit application by the product based emission factors, established by emissions testing.

- f. Emission Limitation:  
6.32 lbs NO<sub>x</sub>/hr, 16.84 tons NO<sub>x</sub> per rolling 12-month period

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit\*, therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 7 of 40 CFR Part 60, Appendix A.

Compliance with the rolling 12-month emission limitation shall be demonstrated by the Record keeping requirements specified in section A.III.4.

\*The potential to emit was determined by multiplying the maximum glass pull rate as indicated in the permit application by the product based emission factors, established by emissions testing.

- g. Emission Limitation:  
0.39 lbs fluorides/hr, 1.04 tons fluorides per rolling 12-month period

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit\*, therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 13 or Method 26 of 40 CFR Part 60, Appendix A.

Compliance with the rolling 12-month emission limitation shall be demonstrated by the Record keeping requirements specified in section A.III.4.

\*The potential to emit was determined by multiplying the maximum glass pull rate as indicated in the permit application by the product based emission factors, established by emissions testing.

- h. Emission Limitation:  
20% opacity as a 6-minute average, except as provided by rule

Applicable Compliance Method:

If required compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1)

## VI. Miscellaneous Requirements

### 1. Prevention of Significant Deterioration (PSD)

The source described in this Permit to Install is subject to the applicable provisions of the Prevention of Significant Deterioration (PSD) regulations as promulgated by the United States Environmental Protection Agency 40 CFR 52.21, and the Ohio air permitting rule attainment provisions, OAC rules 3745-31-10 thru -20. The Ohio Environmental Protection Agency has been granted approval to apply and enforce the PSD regulations. The terms and conditions of this permit and the requirements of the PSD regulations are also enforceable by the United States Environmental Protection Agency.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P008 - Line 23 forming and collection unit (existing unit not previously issued under a PTI) Modification to allow for production of new product	See B.VI	See B.VI

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

## VI. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the resulting increase in maximum annual emissions for each toxic compound for emissions units K008 and K009 combined (as allowed by PTI #03-13943) will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to result in an increase above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
P009 - Line 24 forming and collection unit (Modification of PTI 03-13579 issued April 12, 2001) Modification to allow for production of new product.	OAC rule 3745-31-10 through 20	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-31-05(D)	
		OAC rule 3745-21-07(G)(2)
		OAC rule 3745-17-11(B)
		OAC rule 3745-17-07(A)
		40 <u>CFR</u> Part 63Subpart NNN

	<u>Applicable Emissions Limitations/Control Measures</u>	
OAC rule 3745-23-06(B)		4.14 lbs NO <sub>x</sub> /hr
OAC rule 3745-18-06	See A.I.2.a	0.26 lb fluoride/hr
	99.63 lbs CO/hr	See A.II.1
	See A.I.2.b	
	246.69 tons carbon monoxide (CO) per rolling 12-month period based upon a restriction on glass pullrates.	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	34.89 tons particulate emissions (PE) per rolling 12-month period based upon a restriction on glass pullrates (see A.I.2.c).	Visible PE from the stack(s) servicing this emission unit shall not exceed 20% opacity as a 60minute average except as provided by rule.
	26.29 tons organic compounds (OC) per rolling 12-month period based upon a restriction on glass pullrates (see A.I.2.d)	See A.I.2.e
	17.56 tons nitrogen oxide (NO <sub>x</sub> ) per rolling 12-month period based upon a restriction on glass pullrates.	See A.I.2.f
	1.10 tons fluorides per rolling 12-month period based upon a restriction on glass pullrates.	See A.I.2.g
	The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-10 through 20, and OAC rule 3745-17-07(A).	
	8.28 lbs PE/hr	
	6.82 lbs OC/hr	

**2. Additional Terms and Conditions**

- 2.a** Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that no control technologies for CO were cost effective.
- 2.b** The permittee has requested federally enforceable restrictions to limit the potential to emit from the emissions units contained in this permit to install by limiting the annual hours of production for the different product groups manufactured in this emissions unit.
- 2.c** All PE is assumed to be in the form of PM<sub>10</sub>.
- 2.d** For purposes of federal enforceability the restriction of OC's effectively restricts volatile organic compounds (VOC).
- 2.e** 40 CFR Part 63 Subpart NNN is not applicable to this emissions unit because this is a modification to an existing source that produces bonded heavy-density product.

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- 2.f** The permittee has satisfied the "latest available control technologies and operating principles" required pursuant to OAC rule 3745-23-06(B) by committing to comply with best available technology requirements established pursuant to OAC rule 3745-21-05(A)(3) in this permit to install.
- 2.g** The emissions unit is exempt from the requirements of OAC rule 3745-18-06 in accordance with OAC rule 3745-18-06(A).

## II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.
2. The maximum annual glass pullrates for Aircraft and Aerospace (AA) products shall not exceed 1,200,00, based upon a rolling 12-month summation of AA products glass pullrates.

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the permittee shall not exceed the glass pullrates specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Glass Pullrates (in pounds)</u>
1	100,800
1-2	201,600
1-3	302,400
1-4	403,200
1-5	504,000
1-6	604,800
1-7	705,600
1-8	806,400
1-9	907,200
1-10	1,008,000
1-11	1,104,000
1-12	1,200,000

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual glass pullrates restriction shall be based upon a rolling 12-month summation of AA products the glass pullrates.

3. The maximum annual glass pullrates for high efficiency products shall not exceed 485,760 pounds, based upon a rolling 12-month summation of high efficiency products glass pullrates.

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the permittee shall not exceed the glass pullrates specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Glass Pullrates (in pounds)</u>
1	39,706
1-2	79,411
1-3	119,117
1-4	158,822
1-5	198,528
1-6	238,234
1-7	277,939
1-8	317,645
1-9	357,350
1-10	397,056
1-11	440,986
1-12	485,760

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual glass pullrates restriction shall be based upon a rolling 12-month summation of high efficiency products glass pullrates.

### III. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain records of the following information for this emissions unit:
  - a. company identification for each liquid organic material employed in this emissions unit; and
  - b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.
  
2. The permittee shall perform checks at least five (5) days per week, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- 3. The permittee shall maintain the following monthly records for this emissions units:
  - a. the company identification for each product manufactured;
  - b. documentation of the type and/or efficiency of each product manufactured;
  - c. the glass pullrates for each product manufactured, in pounds;
  - d. for the first 12 months of operation under the provisions of this permit, the cumulative glass pullrates for high efficiency products manufactured, in pounds ;
  - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly glass pullrates for AA products manufactured, in pounds;
  - f. after the first 12 months of operation, under the provisions of this permit, the rolling, 12-month summation of glass pullrates for high efficiency products manufactured, in pounds; and
  - g. after the first 12 months of operation, under the provisions of this permit, the rolling, 12-month summation of glass pullrates for AA products manufactured, in pounds.
- 4. In addition to the above information, the permittee shall also collect and record the following information each month for this emissions unit:
  - a. the total glass pullrates for each product group manufactured, in pounds per month;
  - b. the calculated emission rates for CO, PE, OC, NO<sub>x</sub> and fluorides (4.a x product specific

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emission factor) for each product group manufactured, in tons per month;

- c. the total emission rates for CO, PE, OC, NO<sub>x</sub> and fluorides for all product groups manufactured (summation of 4.b), in tons per month; and
- d. the annual CO, PE, OC, NO<sub>x</sub> and fluorides emission rates, in tons, based upon the rolling, 12-month summation of each respective pollutant's monthly emission rate.

#### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of photochemically reactive material. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of:
  - a. the rolling, 12-month glass pullrates for AA and high efficiency products;
  - b. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative glass pullrates for AA and high efficiency products; and
  - c. the rolling, 12-month emission limitations for CO, PE, OC, NO<sub>x</sub> and fluorides.

These deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

#### V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. the emissions testing shall be conducted within 6 months following the first day this emissions unit commences modified operation/s as allowed for by this PTI.
  - b. The emissions testing shall be conducted to demonstrate compliance with the allowable mass emission rate for CO and PE.

- c. The following test method shall be employed to demonstrate compliance with the allowable mass emission rate:
  - i. Methods 1-4 & 10 as specified in 40 CFR Part 60, Appendix A.
  - ii. Methods 1-5, (including the back half of the sampling train), as specified in 40 CFR Part 60, Appendix A.
- d. The test shall be conducted while the emissions unit is operating at its maximum capacity for the worst case scenario (the emissions unit should be tested while producing a high efficiency product at its maximum glass pull rate as indicated in PTI application 03-13943), unless otherwise specified or approved by the Director or appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

2. Compliance with the emission limitations in section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
The maximum annual glass pullrates for AA products shall not exceed 1,200,00 pounds, based upon a rolling 12-month summation of AA products glass pullrates.

Applicable Compliance Method:

Compliance with the rolling, 12-month glass pullrates restriction shall be demonstrated by the record keeping requirements specified in section A.III.3.

b. Emission Limitation:

The maximum annual glass pullrates for high efficiency products shall not exceed 485,760 pounds, based upon a rolling 12-month summation of high efficiency products glass pullrates.

Applicable Compliance Method:

Compliance with the rolling, 12-month glass pullrates restriction shall be demonstrated by the record keeping requirements specified in section A.III.3.

c. Emission Limitation:

99.63 lbs CO/hr, 246.69 tons CO per rolling 12-month period

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be demonstrated by the emission testing requirements in A.V.1.

Compliance with the rolling 12-month emission limitation shall be demonstrated by the Record keeping requirements specified in section A.III.4.

- d. Emission Limitation:  
8.28 lbs PE/hr, 34.89 tons PE per rolling 12-month period

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be demonstrated by the emission testing requirements in A.V.1.

Compliance with the rolling 12-month emission limitation shall be demonstrated by the Record keeping requirements specified in section A.III.4.

- e. Emission Limitation:  
6.82 lbs OC/hr, 26.29 tons OC per rolling 12-month period

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit\*, therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 18, 25 and/or 25A of 40 CFR Part 60, Appendix A.

Compliance with the rolling 12-month emission limitation shall be demonstrated by the Record keeping requirements specified in section A.III.4.

\*The potential to emit was determined by multiplying the maximum glass pull rate, as indicated in the permit application, by the product based emissions factors - established by emissions testing.

- f. Emission Limitation:  
4.14 lbs NO<sub>x</sub>/hr, 17.56 tons NO<sub>x</sub> per rolling 12-month period

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit\*, therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 7 of 40 CFR Part 60, Appendix A.

Compliance with the rolling 12-month emission limitation shall be demonstrated by the Record keeping requirements specified in section A.III.4.

\*The potential to emit was determined by multiplying the maximum glass pull rate, as

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indicated in the permit application, by the product based emissions factors - established by emissions testing.

- g. Emission Limitation:  
0.26 lbs fluorides/hr, 1.10 tons fluorides per rolling 12-month period

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit\*, therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 13 or Method 26 of 40 CFR Part 60, Appendix A.

Compliance with the rolling 12-month emission limitation shall be demonstrated by the Record keeping requirements specified in section A.III.4.

\*The potential to emit was determined by multiplying the maximum glass pull rate, as indicated in the permit application, by the product based emissions factors - established by emissions testing.

- h. Emission Limitation:  
20% opacity as a 6-minute average, except as provided by rule

Applicable Compliance Method:

If required compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

## VI. Miscellaneous Requirements

### 1. Prevention of Significant Deterioration (PSD)

The source described in this Permit to Install is subject to the applicable provisions of the Prevention of Significant Deterioration (PSD) regulations as promulgated by the United States Environmental Protection Agency 40 CFR 52.21, and the Ohio air permitting rule attainment provisions, OAC rules 3745-31-10 thru -20. The Ohio Environmental Protection Agency has been granted approval to apply and enforce the PSD regulations. The terms and conditions of this permit and the requirements of the PSD regulations are also enforceable by the United States Environmental Protection Agency.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P009 - Line 24 forming and collection unit (Modification of PTI 03-13579 issued April 12, 2001) Modification to allow for production of new product.	See B.VI	See B.VI

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the resulting increase in maximum annual emissions for each toxic compound for emissions units K008 and K009 combined (as allowed by PTI #03-13943) will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to result in an increase above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.