



State of Ohio Environmental Protection Agency

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

**CERTIFIED MAIL**

Street Address:

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

Mailing Address:

Lazarus Gov.  
Center

**Application No: 03-13557**

**DATE: 8/28/2001**

The Budd Company, Platics Div. Carey Plt  
Vinod Shah  
1850 Research Drive  
Troy, MI 48083

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,

Thomas G. Rigo  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

NWDO



**Permit To Install**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**FINAL PERMIT TO INSTALL 03-13557**

Application Number: 03-13557  
APS Premise Number: 0388000002  
Permit Fee: **\$3500**  
Name of Facility: The Budd Company, Platics Div. Carey Plt  
Person to Contact: Vinod Shah  
Address: 1850 Research Drive  
Troy, MI 48083

Location of proposed air contaminant source(s) [emissions unit(s)]:

**2915 County Road 96**  
**Wyandot, Ohio**

Description of proposed emissions unit(s):

**Chapter 31 modification replacing PTI 03-9135 and PTI 03-13087 to revise annual emissions limitations for 19 sheet molding compound presses and to include 4 new sheet molding compound presses.**

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.10 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 thirty (30) 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.

## **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 Related to Monitoring and Recordkeeping 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**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

### **4. 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.

### **5. 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.

#### **6. 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.

#### **7. 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.

#### **8. 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).

### **9. 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.

**10. 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)

<u>Pollutant</u>	<u>Tons Per Year</u>
OC	86.4*

\*The 86.4 TPY value represents a 6.90 TPY decrease in allowable OC emissions.

12

The Budd Company, Platics Div. Carey Plt

PTI Application: **03-13557**

**Issued: 8/28/2001**

Facility ID: **0388000002**

13

The Bt

PTI A<sub>1</sub>

Issued: 8/28/2001

Emissions Unit ID: P008

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
P008 - Compression molding press #1 (previously permitted under PTI #03-09135 issued 7/17/96).	OAC rule 3745-31-05(A)(3)	Compression molding- 1.12 lb organic compound (OC)/hour, 3.90 tons OC/year; see A.I.2.a.
Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

15

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P008

established for the purposes of maintaining the facility status as a PSD "minor."

**Issued**

Emissions Unit ID: P008

**II. Operational Restrictions**

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-9135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-9135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

**III. Monitoring and/or Recordkeeping Requirements**

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;
  - b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:

OC emissions (preheated) = (lb SMC/month) x (0.0035 lb OC/lb SMC)

OC emissions (non-preheated) = (lb SMC/month) x (0.002 lb OC/lb SMC)

OC emissions (combined) = OC emissions (preheated) + OC emissions (non-preheated)

- e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008,

**Issued: 8/28/2001**

P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.12 lbs Organic Compounds (OC)/hr and 3.90 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 320 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 2,400,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 400,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

Facility ID: **0388000002**

**Issued**

Emissions Unit ID: P008

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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 - Compression molding press #1 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

22

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P008

None

23

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P008

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P009 - Compression molding press #2 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)  OAC rule 3745-31- 05(D)	Compression molding- 2.38 lb organic compound (OC)/hour, 6.60 tons OC/year; see A.I.2.a.  Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)  Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

25

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P009

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;
  - b. total mass (lb/month) of raw SMC preheated before use in all compression molding

**Issued**

Emissions Unit ID: P009

presses;

- c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008,

**Issued: 8/28/2001**

P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
2.38 lbs Organic Compounds (OC)/hr and 6.60 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 680 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 5,100,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 3,100,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**

The Budd Company, Plastics Div. Carey Plt

PTI Application: **02 12557**

Facility ID: **0388000002**

**Issued**

Emissions Unit ID: P009

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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 - Compression molding press #2 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

32

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P009

None

33

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P009

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P010 - Compression molding press #3 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 2.17 lb organic compound (OC)/hour, 6.15 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

##### 2. Additional Terms and Conditions

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

35

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P010

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P010

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
2.17 lbs Organic Compounds (OC)/hr and 6.15 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 620 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 4,650,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 2,650,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

Emissions Unit ID: P010

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P010 - Compression molding press #3 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

42

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P010

None

43

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P010

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P011 - Compression molding press #4 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)  OAC rule 3745-31- 05(D)	Compression molding- 1.05 lb organic compound (OC)/hour, 3.75 tons OC/year; see A.I.2.a.  Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)  Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

45

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P011

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P011

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.05 lbs Organic Compounds (OC)/hr and 3.75 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 300 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 2,250,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 250,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The Budd Company, Plastics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P011

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P011 - Compression molding press #4 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

52

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P011

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

53

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P011

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P012 - Compression molding press #5 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)  OAC rule 3745-31- 05(D)	Compression molding- 2.03 lb organic compound (OC)/hour, 5.85 tons OC/year; see A.I.2.a.  Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)  Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

55

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P012

established for the purposes of maintaining the facility status as a PSD "minor."

**Issued**

Emissions Unit ID: P012

**II. Operational Restrictions**

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

**III. Monitoring and/or Recordkeeping Requirements**

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;
  - b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);

- d. the calculated OC emissions, in lbs or tons using the following equations:
- $$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$
- $$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$
- $$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
- e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.

2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
2.03 lbs Organic Compounds (OC)/hr and 5.85 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 580 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 4,350,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 2,350,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

**Issued**

Emissions Unit ID: P012

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P012 - Compression molding press #5 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

62

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P012

None

63

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P012

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P013 - Compression molding press #6 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 2.10 lb organic compound (OC)/hour, 6.00 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

65

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P013

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;
  - b. total mass (lb/month) of raw SMC preheated before use in all compression molding

**Issued**

Emissions Unit ID: P013

presses;

- c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008,

P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
2.10 lbs Organic Compounds (OC)/hr and 6.00 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 600 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 4,500,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 2,500,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**

The Budd Company, Plastics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P013

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

70

The Bt

PTI A<sub>1</sub>

Issued: 8/28/2001

Emissions Unit ID: P013

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P013 - Compression molding press #6 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

72

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P013

None

73

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P013

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P014 - Compression molding press #7 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)  OAC rule 3745-31- 05(D)	Compression molding- 1.75 lb organic compound (OC)/hour, 5.25 tons OC/year; see A.I.2.a.  Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)  Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

##### 2. Additional Terms and Conditions

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

75

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P014

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P014

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.75 lbs Organic Compounds (OC)/hr and 5.25 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 500 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 3,750,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 1,750,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

Issued: 8/28/2001

**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>
P014 - Compression molding press #7 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

82

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P014

None

83

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P014

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P015 - Compression molding press #8 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 2.10 lb organic compound (OC)/hour, 6.00 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

#### 2. Additional Terms and Conditions

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

85

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P015

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P015

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
2.10 lbs Organic Compounds (OC)/hr and 6.00 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 600 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 4,500,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 2,500,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

Emissions Unit ID: P015

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

Issued: 8/28/2001

**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>
P015 - Compression molding press #8 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

92

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P015

None

93

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P015

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P016 - Compression molding press #9 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 1.61 lb organic compound (OC)/hour, 4.95 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

##### 2. Additional Terms and Conditions

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

95

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P016

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P016

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.61 lbs Organic Compounds (OC)/hr and 4.95 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 460 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 3,450,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 1,450,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P016 - Compression molding press #9 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

102

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P016

None

103

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P016

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

Issued: 8/28/2001

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
P017 - Compression molding press #10 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 1.40 lb organic compound (OC)/hour, 4.50 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

105

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P017

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P017

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.40 lbs Organic Compounds (OC)/hr and 4.50 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 400 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 3,000,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 1,000,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

110

The Bt

PTI A<sub>1</sub>

Issued: 8/28/2001

Emissions Unit ID: P017

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P017 - Compression molding press #10 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

112

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P017

None

113

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P017

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P018 - Compression molding press #11 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 1.54 lb organic compound (OC)/hour, 4.80 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

115

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P018

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;
  - b. total mass (lb/month) of raw SMC preheated before use in all compression molding

**Issued**

Emissions Unit ID: P018

presses;

- c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008,

P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.54 lbs Organic Compounds (OC)/hr and 4.80 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 440 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 3,300,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 1,300,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**

**Issued**

Emissions Unit ID: P018

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P018 - Compression molding press #11 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

121

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P018

None

122

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P018

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P019 - Compression molding press #12 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)  OAC rule 3745-31- 05(D)	Compression molding- 2.87 lb organic compound (OC)/hour, 7.65 tons OC/year; see A.I.2.a.  Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)  Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

124

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P019

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P019

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
2.87 lbs Organic Compounds (OC)/hr and 7.65 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 820 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 6,150,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 4,150,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P019 - Compression molding press #12 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

131

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P019

None

132

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P019

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P020 - Compression molding press #14 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 2.10 lb organic compound (OC)/hour, 6.00 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

134

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P020

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P020

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

**Issued: 8/28/2001**

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
2.10 lbs Organic Compounds (OC)/hr and 6.00 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 600 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 4,500,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 2,500,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P020 - Compression molding press #14 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

141

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P020

None

142

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P020

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P021 - Compression molding press #15 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 2.10 lb organic compound (OC)/hour, 6.00 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)  Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

144

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P021

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P021

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

**Issued: 8/28/2001**

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
2.10 lbs Organic Compounds (OC)/hr and 6.00 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 600 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 4,500,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 2,500,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

**Issued**

Emissions Unit ID: P021

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P021 - Compression molding press #15 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

151

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P021

None

152

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P021

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P022 - Compression molding press #21 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)  OAC rule 3745-31- 05(D)	Compression molding- 1.05 lb organic compound (OC)/hour, 3.75 tons OC/year; see A.I.2.a.  Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)  Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

154

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P022

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P022

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- a. **Emission Limitation**

1.05 lbs Organic Compounds (OC)/hr and 3.75 tons OC/yr

**Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 300 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 2,250,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 250,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

**Issued**

Emissions Unit ID: P022

b. **Emission Limitation**

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P022 - Compression molding press#21 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

160

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P022

None

161

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P022

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P024 - Compression molding press #44 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)  OAC rule 3745-31- 05(D)	Compression molding- 0.35 lb organic compound (OC)/hour, 1.31 tons OC/year; see A.I.2.a.  Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)  Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

163

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P024

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P024

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- a. **Emission Limitation**  
0.35 lbs Organic Compounds (OC)/hr and 1.31 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 100 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 750,000 lbs of SMC/yr, of which 750,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 750,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008,

The Budd Company, Plastics Div. Carey Plt

Facility ID: **0388000002**

PTI Application: **02 12557**

**Issued**

Emissions Unit ID: P024

P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

- c. **Emission Limitation**  
OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P024 - Compression molding press #44 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

170

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P024

None

171

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P024

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P025 - Compression molding press #20 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 0.35 lb organic compound (OC)/hour, 1.31 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

173

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P025

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P025

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- a. **Emission Limitation**  
0.35 lbs Organic Compounds (OC)/hr and 1.31 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 100 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 750,000 lbs of SMC/yr, of which 750,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 750,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008,

The Budd Company, Platics Div. Carey Plt

Facility ID: **0388000002**

PTI Application: **02 12557**

**Issued**

Emissions Unit ID: P025

P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

178

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P025

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P025 - Compression molding press #20 (previously permitted under PTI #03-09135 issued 7/17/96). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

180

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P025

None

181

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P025

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P033 - Compression molding press #18 (previously permitted under PTI #03-13087 issued 1/21/99). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)	Compression molding- 1.75 lb organic compound (OC)/hour, 5.25 tons OC/year; see A.I.2.a.
	OAC rule 3745-31- 05(D)	Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;
  - b. total mass (lb/month) of raw SMC preheated before use in all compression molding

**Issued**

Emissions Unit ID: P033

presses;

- c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008,

**Issued: 8/28/2001**

P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.75 lbs Organic Compounds (OC)/hr and 5.25 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 500 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 3,750,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 1,750,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**

The Budd Company, Plastics Div. Carey Plt

PTI Application: **02 12557**

Facility ID: **0388000002**

**Issued**

Emissions Unit ID: P033

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P033 - Compression molding press #18 (previously permitted under PTI #03-13087 issued 1/21/99). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

189

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P033

None

190

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P033

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P034 - Compression molding press #19 (previously permitted under PTI #03-13087 issued 1/21/99). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	OAC rule 3745-31-05(A)(3)  OAC rule 3745-31- 05(D)	Compression molding- 1.75 lb organic compound (OC)/hour, 5.25 tons OC/year; see A.I.2.a.  Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.b)  Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-02(A)(2).
- 2.b The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being

192

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P034

established for the purposes of maintaining the facility status as a PSD "minor."

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;

**Issued**

Emissions Unit ID: P034

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per

rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.75 lbs Organic Compounds (OC)/hr and 5.25 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 500 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 3,750,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 1,750,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- b. **Emission Limitation**  
OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P034 - Compression molding press #19 (previously permitted under PTI #03-13087 issued 1/21/99). Modification to lower emissions based on increased usage of non-preheated sheet molding compound (SMC) and a limited quantity of preheated SMC and to limit PTE through federally enforceable limitations.	None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

199

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P034

None

200

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P034

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P035 - Compression molding press #23 (new)	OAC rule 3745-31-05(A)(3)	Compression molding- 0.88 lb organic compound (OC)/hour, 3.28 tons OC/year
		Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.a)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.a)
	OAC rule 3745-31-28	MACT determination (see A.I.2.b)

\*All emissions from scrap generation are fugitive

**2. Additional Terms and Conditions**

- 2.a The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being established for the purposes of maintaining the facility status as a PSD "minor."
- 2.b In accordance with OAC rule 3745-31-28, MACT for this emissions unit has been determined to be the operational standards found in conditions A.II.4. below.

202

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P035

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.
4. The permittee shall keep uncovered, unwrapped, or exposed only 1 (one) SMC charge per mold per cycle per compression molding machine (press).

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**Issued**

Emissions Unit ID: P035

- a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;
  - b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
0.88 lbs Organic Compounds (OC)/hr and 3.28 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 250 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 1,875,000 lbs of SMC/yr, of which 1,875,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 1,875,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

b. **Emission Limitation**

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P035 - Compression molding press #23 (new)	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

1. The permit to install for emissions units P035, P036, P037 and P038 was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene

TLV (mg/m3): 85.20

Maximum Hourly Emission Rate (lbs/hr): 6.21\*

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 51.52

MAGLC (ug/m3): 2029

\*Maximum hourly emission rate was calculated by using the maximum lbs OC/hr from each press plus the average lbs OC/hr emitted from scrap sheet molding compound.

Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the compositions of the materials, or use of new materials that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluation to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.)
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

210

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P035

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P036 - Compression molding press #40 (new)	OAC rule 3745-31-05(A)(3)	Compression molding- 1.75 lb organic compound (OC)/hour, 5.25 tons OC/year
		Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.a)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.a)
	OAC rule 3745-31-28	MACT determination (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being established for the purposes of maintaining the facility status as a PSD "minor."
- 2.b In accordance with OAC rule 3745-31-28, MACT for this emissions unit has been determined to be the operational standards found in conditions A.II.4. below.

212

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P036

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.
4. The permittee shall keep uncovered, unwrapped, or exposed only 1 (one) SMC charge per mold per cycle per compression molding machine (press).

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses,

**Issued**

Emissions Unit ID: P036

non-preheated;

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):

- a. **Emission Limitation**

1.75 lbs Organic Compounds (OC)/hr and 5.25 tons OC/yr

**Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 500 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 3,750,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 1,750,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with

**Issued**

Emissions Unit ID: P036

this limitation.

**b. Emission Limitation**

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

**c. Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P036 - Compression molding press #40 (new)	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

1. The permit to install for emissions units P035, P036, P037 and P038 was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene

TLV (mg/m<sup>3</sup>): 85.20

Maximum Hourly Emission Rate (lbs/hr): 6.21\*

Predicted 1-Hour Maximum Ground-Level  
Concentration (ug/m<sup>3</sup>): 51.52

MAGLC (ug/m<sup>3</sup>): 2029

\*Maximum hourly emission rate was calculated by using the maximum lbs OC/hr from each press plus the average lbs OC/hr emitted from scrap sheet molding compound.

Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the compositions of the materials, or use of new materials that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluation to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

**Issued**

Emissions Unit ID: P036

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.)
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

220

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P036

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P037 - Compression molding press #42 (new)	OAC rule 3745-31-05(A)(3)	Compression molding- 1.75 lb organic compound (OC)/hour, 5.25 tons OC/year
		Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.a)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.a)
	OAC rule 3745-31-28	MACT determination (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being established for the purposes of maintaining the facility status as a PSD "minor."
- 2.b In accordance with OAC rule 3745-31-28, MACT for this emissions unit has been determined to be the operational standards found in conditions A.II.4. below.

222

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P037

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.
4. The permittee shall keep uncovered, unwrapped, or exposed only 1 (one) SMC charge per mold per cycle per compression molding machine (press).

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**Issued**

Emissions Unit ID: P037

- a. total mass (lb/month) of raw SMC used in all compression molding presses, non-preheated;
  - b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
  - c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
  - d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
  - e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.
2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and
- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

## V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.75 lbs Organic Compounds (OC)/hr and 5.25 tons OC/yr

### **Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 500 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 3,750,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 1,750,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation

**Issued**

Emissions Unit ID: P037

reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

**b. Emission Limitation**

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

**c. Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P037 - Compression molding press #42 (new)	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

1. The permit to install for emissions units P035, P036, P037 and P038 was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene

TLV (mg/m<sup>3</sup>): 85.20

Maximum Hourly Emission Rate (lbs/hr): 6.21\*

Predicted 1-Hour Maximum Ground-Level  
Concentration (ug/m3): 51.52

MAGLC (ug/m3): 2029

\*Maximum hourly emission rate was calculated by using the maximum lbs OC/hr from each press plus the average lbs OC/hr emitted from scrap sheet molding compound.

Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the compositions of the materials, or use of new materials that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluation to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.)
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

229

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P037

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

230

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P037

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P038 - Compression molding press #43 (new)	OAC rule 3745-31-05(A)(3)	Compression molding- 1.75 lb organic compound (OC)/hour, 5.25 tons OC/year
		Combined limit of 58.1 tons OC/rolling, 12-month period (see A.I.2.a)
		Scrap generation*- Combined limit of 28.30 tons OC/rolling, 12-month period (see A.I.2.a)
	OAC rule 3745-31-28	MACT determination (see A.I.2.b)

\*All emissions from scrap generation are fugitive.

**2. Additional Terms and Conditions**

- 2.a The permittee has requested federally enforceable combined emission limitations for compression molding and scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038. The federally enforceable emission limitations are based on sheet molding compound (SMC) usage restrictions (see A.II.1) and are being established for the purposes of maintaining the facility status as a PSD "minor."
- 2.b In accordance with OAC rule 3745-31-28, MACT for this emissions unit has been determined to be the operational standards found in conditions A.II.4. below.

232

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P038

## II. Operational Restrictions

1. The maximum annual SMC usage for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed any of the following:
  - a. 2,000,000 lbs of preheated SMC;
  - b. 56,600,000 lbs of non-preheated SMC; and
  - c. 56,600,000 lbs of all SMC combined (preheated and non-preheated).

The annual SMC usage limitations shall be based upon a rolling, 12- month summation of the SMC input rates. Emissions units which use SMC are existing operations (established in Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records of annual SMC usage in lieu of establishing monthly usage restrictions for the first year.

2. The maximum annual scrap generation for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 combined shall not exceed 56,600,000 lbs per rolling, 12-month period. Scrap generation is an existing operation (Permit to Install (PTI) 03-09135 which was issued on July 17, 1996) and, as such, the permittee has existing records on annual scrap generation in lieu of establishing monthly generation restrictions for the first year.
3. Raw scrap SMC shall be collected, at a minimum, every eight hours (i.e. at the end of each shift), weighed and placed in a closed container which will minimize volatilization of additional styrene.
4. The permittee shall keep uncovered, unwrapped, or exposed only 1 (one) SMC charge per mold per cycle per compression molding machine (press).

## III. Monitoring and/or Recordkeeping Requirements

1. In order to demonstrate compliance with the usage restrictions in condition A.II.1 and the allowable OC emissions limitation of 58.1 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:
  - a. total mass (lb/month) of raw SMC used in all compression molding presses,

non-preheated;

- b. total mass (lb/month) of raw SMC preheated before use in all compression molding presses;
- c. the total mass (lb/month) of raw SMC used in all compression molding presses ( a + b);
- d. the calculated OC emissions, in lbs or tons using the following equations:  

$$\text{OC emissions (preheated)} = (\text{lb SMC/month}) \times (0.0035 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (non-preheated)} = (\text{lb SMC/month}) \times (0.002 \text{ lb OC/lb SMC})$$

$$\text{OC emissions (combined)} = \text{OC emissions (preheated)} + \text{OC emissions (non-preheated)}$$
- e. the rolling, 12-month summation of the monthly SMC usage rates in lbs, for non-preheated, preheated, and total SMC usage and the rolling, 12-month summation of the monthly OC emissions.

2. In order to demonstrate compliance with the usage restrictions in condition A.II.2 and the allowable OC emissions limitation of 28.3 tons per rolling, 12-month period for emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 the permittee shall collect and record the following information each month:

**FOR ALL EMISSIONS UNITS**

- a. company identification of each type of scrap SMC generated;
- b. the total mass (lb/month) of scrap SMC generated;
- c. the styrene content of each type of scrap SMC generated;
- d. the weight, in pounds, of each type of scrap SMC generated;
- e. the calculated average styrene content for all scrap SMC generated;
- f. the total mass (lb/month) of OC emissions generated by all molding presses (b x e x 0.40 volatilization factor); and

**Issued**

Emissions Unit ID: P038

- g. the rolling, 12-month summation of SMC scrap generation in lbs, and the rolling, 12-month summation of monthly OC emissions.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 58.1 ton per rolling, 12-month period OC emissions limitation for SMC usage and the 28.3 ton per rolling, 12-month period OC emissions limitation for scrap generation from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC usage limitations of 2,000,000 lbs of preheated SMC, 56,600,000 lbs of non-preheated SMC, and 56,600,000 lbs of all SMC combined (preheated and non-preheated) from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the combined maximum annual SMC scrap generation limitation of 56,600,000 lbs from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038.

**V. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation**  
1.75 lbs Organic Compounds (OC)/hr and 5.25 tons OC/yr

**Applicable Compliance Method**

The hourly emissions limitation represents the potential to emit for this emissions unit for molding only, i.e., the maximum usage rate of 500 lbs of SMC/hr, multiplied by the worst case emission factor of 0.0035 lb of OC/lb of SMC (company supplied emission factor). Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

The annual emission limitation represents the potential to emit for this emissions unit, in conjunction with the operational restrictions of this permit, i.e., the maximum usage rate of 3,750,000 lbs of SMC/yr, of which 2,000,000 lbs of SMC/yr can be preheated. Compliance with the annual limitation shall be demonstrated by multiplying 2,000,000 lbs of SMC/yr by the worst case emission factor of 0.0035 lb of OC/lb of SMC for preheated material, plus multiplying 1,750,000 lb of SMC/yr by the emission factor of 0.002 lb of OC/lb of SMC for non-preheated material. Therefore, no annual recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with

236

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P038

this limitation.

b. **Emission Limitation**

OC emissions for sheet molding compound (SMC) usage from emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 58.10 tons OC per rolling, 12-month period.

237

The Bt

PTI A<sub>1</sub>

Issued: 8/28/2001

Emissions Unit ID: P038

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.1 above.

c. **Emission Limitation**

OC emissions for scrap generation, emissions units P008, P009, P010, P011, P012, P013, P014, P015, P016, P017, P018, P019, P020, P021, P022, P024, P025, P033, P034, P035, P036, P037 and P038 shall not exceed 28.3 tons OC per rolling, 12-month period.

**Applicable Compliance Method**

Compliance shall be based upon the recordkeeping specified in section A.III.2 above.

**VI. Miscellaneous Requirements**

None

**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>
P038 - Compression molding press #43 (new)	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

1. The permit to install for emissions units P035, P036, P037 and P038 was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene

TLV (mg/m<sup>3</sup>): 85.20

Maximum Hourly Emission Rate (lbs/hr): 6.21\*

Predicted 1-Hour Maximum Ground-Level  
Concentration (ug/m3): 51.52

MAGLC (ug/m3): 2029

\*Maximum hourly emission rate was calculated by using the maximum lbs OC/hr from each press plus the average lbs OC/hr emitted from scrap sheet molding compound.

Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the compositions of the materials, or use of new materials that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluation to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.)
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

240

The Budd Company, Platics Div. Carey Plt

PTI Application: **02 12557**

**Issued**

Facility ID: **0388000002**

Emissions Unit ID: P038

- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

241

The Bt

PTI A<sub>1</sub>

**Issued: 8/28/2001**

Emissions Unit ID: P038

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03-09135 and PTI 03-13087 to revise annual emissions limitations for 19 sheet molding compound presses and to include 4 new sheet molding compound presses.

CITY/TWP Wyandot

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID P008

EMISSIONS UNIT DESCRIPTION Compression molding press #1

DATE INSTALLED 6/73

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.12 lb/hr	3.90 TPY	1.12 lb/hr	3.90 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

**Enter Determination** Compliance with terms and conditions or permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES X NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P009

EMISSIONS UNIT DESCRIPTION Compression molding press #2

DATE INSTALLED 6/70

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	2.38 lb/hr	6.60 TPY	2.38 lb/hr	6.60 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P010

EMISSIONS UNIT DESCRIPTION Compression molding press #3

DATE INSTALLED 6/70

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	2.17 lb/hr	6.15 TPY	2.17 lb/hr	6.15 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID P011

EMISSIONS UNIT DESCRIPTION Compression molding press #4

DATE INSTALLED 6/72

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.05 lb/hr	3.75 TPY	1.05 lb/hr	3.75 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID P012

EMISSIONS UNIT DESCRIPTION Compression molding press #5

DATE INSTALLED 6/84

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	2.03 lb/hr	5.85 TPY	2.03 lb/hr	5.85 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID P013

EMISSIONS UNIT DESCRIPTION Compression molding press #6

DATE INSTALLED 6/84

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	2.10 lb/hr	6.00 TPY	2.10 lb/hr	6.00 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

**Enter Determination** Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*?

YES

X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID P014

EMISSIONS UNIT DESCRIPTION Compression molding press #7

DATE INSTALLED 7/93

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.75 lb/hr	5.25 TPY	1.75 lb/hr	5.25 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

**Enter Determination** Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*?

YES

X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SC**

PTI Num

FACILITY

Emissions Unit ID: P038

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03-09135 and PTI 03-13087 to revise annual emissions limitations for 19 sheet molding compound presses and to include 4 new sheet molding compound presses.

CITY/TWP Wyandot

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P015

EMISSIONS UNIT DESCRIPTION Compression molding press #8

DATE INSTALLED 6/72

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	2.10 lb/hr	6.00 TPY	2.10 lb/hr	6.00 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P016

EMISSIONS UNIT DESCRIPTION Compression molding press #9

DATE INSTALLED 6/85

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.61 lb/hr	4.95 TPY	1.61 lb/hr	4.95 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P017

EMISSIONS UNIT DESCRIPTION Compression molding press #10

DATE INSTALLED 6/78

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.40 lb/hr	4.50 TPY	1.40 lb/hr	4.50 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID P018

EMISSIONS UNIT DESCRIPTION Compression molding press #11

DATE INSTALLED 6/78

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.54 lb/hr	4.80 TPY	1.54 lb/hr	4.80 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P019

EMISSIONS UNIT DESCRIPTION Compression molding press #12

DATE INSTALLED 6/70

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	2.87 lb/hr	7.65 TPY	2.87 lb/hr	7.65 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID P020

EMISSIONS UNIT DESCRIPTION Compression molding press #14

DATE INSTALLED 6/95

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	2.10 lb/hr	6.00 TPY	2.10 lb/hr	6.00 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SC**

PTI Num

**FACILITY**

Emissions Unit ID: P038

**FACILITY DESCRIPTION** Chapter 31 modification replacing PTI 03-09135 and PTI 03-13087 to revise annual emissions limitations for 19 sheet molding compound presses and to include 4 new sheet molding compound presses.

CITY/TWP Wyandot

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P021

EMISSIONS UNIT DESCRIPTION Compression molding press #15

DATE INSTALLED 6/95

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	2.10 lb/hr	6.00 TPY	2.10 lb/hr	6.00 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID P022

EMISSIONS UNIT DESCRIPTION Compression molding press #16

DATE INSTALLED 6/73

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.05 lb/hr	3.75 TPY	1.05 lb/hr	3.75 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID

P024

EMISSIONS UNIT DESCRIPTION Compression molding press #31

DATE INSTALLED

6/71

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	0.35 lb/hr	1.31 TPY	0.35 lb/hr	1.31 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

**Enter Determination** Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*?

YES

X

NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P025

EMISSIONS UNIT DESCRIPTION Compression molding press #32

DATE INSTALLED 6/71

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	0.35 lb/hr	1.31 TPY	0.35 lb/hr	1.31 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089

SCC CODE 3-08-007

EMISSIONS UNIT ID P033

EMISSIONS UNIT DESCRIPTION Compression molding press #18

DATE INSTALLED 1/99

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.75 lb/hr	5.25 TPY	1.75 lb/hr	5.25 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P034

EMISSIONS UNIT DESCRIPTION Compression molding press #19

DATE INSTALLED 2/99

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.75 lb/hr	5.25 TPY	1.75 lb/hr	5.25 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SC**

PTI Num

FACILITY

Emissions Unit ID: P038

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03-09135 and PTI 03-13087 to revise annual emissions limitations for 19 sheet molding compound presses and to include 4 new sheet molding compound presses.

CITY/TWP Wyandot

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P035

EMISSIONS UNIT DESCRIPTION Compression molding press #23

DATE INSTALLED 12/00

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	0.88 lb/hr	3.28 TPY	0.88 lb/hr	3.28 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? X YES NO

IDENTIFY THE AIR CONTAMINANTS: Styrene

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P036

EMISSIONS UNIT DESCRIPTION Compression molding press #40

DATE INSTALLED 1/01

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.75 lb/hr	5.25 TPY	1.75 lb/hr	5.25 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*?

X

YES

NO

IDENTIFY THE AIR CONTAMINANTS:

Styrene

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557

Facility ID: 0388000002

FACILITY NAME The Budd Company, Plastics Div. Carey Plant

FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

sheet molding compound presses.

SIC CODE 3089 SCC CODE 3-08-007 EMISSIONS UNIT ID P037

EMISSIONS UNIT DESCRIPTION Compression molding press #42

DATE INSTALLED 1/01

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.75 lb/hr	5.25 TPY	1.75 lb/hr	5.25 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*?

X

YES

NO

IDENTIFY THE AIR CONTAMINANTS:

Styrene

**NEW SOURCE REVIEW FORM B**

PTI Number: 03-13557 Facility ID: 0388000002  
 FACILITY NAME The Budd Company, Plastics Div. Carey Plant  
 FACILITY DESCRIPTION Chapter 31 modification replacing PTI 03- CITY/TWP Wvandot

Emissions Unit ID: P038

SIC CODE 3089 sheet molding compound presses.  
 SCC CODE 3-08-007 EMISSIONS UNIT ID P038  
 EMISSIONS UNIT DESCRIPTION Compression molding press #43  
 DATE INSTALLED 1/01

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	1.75 lb/hr	5.25 TPY	1.75 lb/hr	5.25 TPY; SMC combined 58.10 TPY; scrap combined 28.30 TPY
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

**Enter Determination** Compliance with terms and conditions of permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes  
 OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ \_\_\_\_\_

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienist (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? X YES \_\_\_\_\_ NO \_\_\_\_\_

IDENTIFY THE AIR CONTAMINANTS: Styrene