

**Synthetic Minor Determination and/or**  **Netting Determination**

Permit To Install: 03-17392

**A. Source Description**

Titan Tire will be installing six carcass and radial tire building machines, twenty tire curing presses, a curing repair and finishing area, a zero VOC water based spray booth and a 50.4 mmBTU/hr natural gas fired boiler. The company has requested to restrict the hours of production to 8,160 hours for the six tire building machines. This translates into a federally enforceable limit of 102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined. Titan Tire is requesting to implement the following solvents: heptane with a VOC content of 5.92 lbs/gallon and a maximum annual usage rate of 27,000 gals per year; drum core cement with a VOC content of 5.30 lbs/gallon and a maximum annual usage rate of 320 gallons per year; expander band lube with a VOC content of 5.49 lbs/gallon and a maximum annual usage rate of 7,900 gallons per year.

This will result in an annual combined VOC emission rate of 102.4 tons.

**B. Facility Emissions and Attainment Status**

Titan Tire is a Title V facility located in Williams County. Williams County is considered attainment for all criteria pollutants.

**C. Source Emissions**

Potential emissions from each tire building machine equates to 18.30 tons of VOC per year, or all six combined of 109.8 tpy, based on a maximum of 1205 tires from six machines. Titan Tire has requested federally enforceable limitations to restrict the annual heptane, drum core cement, and expander band lube usages to 27,000, 320, and 7,900 gallons, respectively per year. By incorporating this restriction into the permit, maximum annual emissions of VOC from the tire building areas will be limited to 102.4 tons per year.

**D. Conclusion**

By implementing annual restrictions on solvent usages for carcass and tire building, Titan Tire can effectively limit the potential to emit VOC from emission units P010 through P015 to 102.4 tons of VOC per year.



State of Ohio Environmental Protection Agency

**RE: DRAFT PERMIT TO INSTALL  
WILLIAMS COUNTY**

**CERTIFIED MAIL**

Street Address:

Mailing Address:

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

Lazarus Gov.  
Center

**Application No:** 03-17392

**Fac ID:** 0386010003

**DATE:** 4/15/2008

Titan Tire Corporation of Bryan  
Cheri Holley  
2701 Spruce Street  
Quincy, IL 62301

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43216-1049.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$7200** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

Michael W. Ahern, Manager  
Permit Issuance and Data Management Section  
Division of Air Pollution Control

CC: USEPA

NWDO

IN

MI  
**WILLIAMS  
COUNTY**

PUBLIC NOTICE

ISSUANCE OF DRAFT PERMIT TO INSTALL **03-17392** FOR AN AIR CONTAMINANT SOURCE

## FOR Titan Tire Corporation of Bryan

On 4/15/2008 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Titan Tire Corporation of Bryan**, located at **927 S. Union St., Bryan**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 03-17392:

### **Tire building + curing operations and natural gas fired boiler.**

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Don Waltermeyer, Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402 [(419)352-8461]



**Permit To Install  
Terms and Conditions**

**Issue Date: To be entered upon final issuance  
Effective Date: To be entered upon final issuance**

**DRAFT PERMIT TO INSTALL 03-17392**

Application Number: 03-17392  
Facility ID: 0386010003  
Permit Fee: **To be entered upon final issuance**  
Name of Facility: Titan Tire Corporation of Bryan  
Person to Contact: Cheri Holley  
Address: 2701 Spruce Street  
Quincy, IL 62301

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

**927 S. Union St.  
Bryan, Ohio**

Description of proposed emissions unit(s):

**Tire building + curing operations and natural gas fired boiler.**

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

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Chris Korleski  
Director

**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

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reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, 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. If this permit is for an emissions unit located at a Title V facility, then 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.
- d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

## 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,

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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 re-issuance, or modification
- 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, 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 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.

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**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 any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

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**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 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 and the State and by citizens (to the extent allowed by section 304 of the Act) 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

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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 is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

## **11. Best Available Technology**

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

## **12. Air Pollution Nuisance**

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

## **13. Permit-To-Install**

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in

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**Titan Tire Corporation of Bryan**  
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this permit.

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

**1. Compliance Requirements**

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

**2. Reporting Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, 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. Authorization To Install or Modify**

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of

**Titan Tire Corporation of Bryan**

**Facility ID: 0386010003**

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

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

This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. 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 this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

**6. Public Disclosure**

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

**7. Applicability**

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

**8. Construction Compliance Certification**

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the permit-to-install application and the terms and conditions of the permit-to-install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

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

**Titan Tire Corporation of Bryan**

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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., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

**Titan Tire Corporation of Bryan**

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

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

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

<b><u>Pollutant</u></b>	<b><u>Tons Per Year</u></b>
VOC	104.42
CO	18.18
NOx	10.82
PM-10	0.41

**Titan Tire Corporation of Bryan**

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**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.

**Operations, Property, and/or Equipment - (B005) - 50.4 mmBTU/hr Natural Gas-Fired Boiler**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: (see A.I.2.a)
OAC rule 3745-31-05(A)(3)	Nitrogen oxides (NOx) emissions shall not exceed 2.47 pounds per hour (lbs/hr) and 10.82 tons per year.  Carbon monoxide (CO) emissions shall not exceed 4.15 lbs/hr and 18.18 tons per year.
OAC rule 3745-31-05(A)(3)(b)	See Section A.2.b.
OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
OAC rule 3745-17-10(B)(1)	0.020 lb PE/mmBtu of heat input (see A.2.f)
40 CFR Part 60, Subpart Dc	See Section A.II.1.
OAC rule 3745-21-08(B)	See Section A.2.d.
OAC rule 3745-18-06	Exempt (see A.2.c).

**2. Additional Terms and Conditions**

- 2.a Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined to be the use of natural gas (see A.II.1.).
- 2.b The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PM10 and VOC emissions from this air contaminant source since the uncontrolled potentials to emit (PTE) for PM10 and VOC is each less than ten tons per year.

The uncontrolled PTE's for PM10 are 0.094 lb/hr\* and 0.41 tons/yr. The uncontrolled PTE's for VOCs are 0.27 lb/hr\* and 1.18 tons/yr.

Emissions Unit ID: B005

\* using AP-42, Section 1.4, Table 1.4-2 (revised 7/98) emission factors

- 2.c** This emissions unit is exempt from the requirements of OAC rule 3745-18-06 in accordance with OAC rule 3745-18-06(A).
- 2.d** The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- 2.e** All emissions of particulate matter are PM10.
- 2.f** The potential to emit for emissions of particulate matter from this emissions unit (See A.2.b) is less than the emission limitation pursuant to this rule.

## **II. Operational Restrictions**

1. The permittee shall burn only natural gas as fuel in this emissions unit.

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

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. Pursuant to 40 CFR Part 60 Subpart Dc, the permittee shall record and maintain records of the amount of natural gas combusted during each month. These records shall be maintained by the permittee for a period of two years following the date of such record.

## **IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in the emissions unit. These reports shall be submitted to Ohio EPA, Northwest District Office (NWDO) within 30 days after the deviation occurs.

Emissions Unit ID: B005

2. This emissions unit is subject to the applicable provisions of Subpart Dc of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to 40 CFR Part 60.7, the permittee is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. actual start-up date (within 15 days after such date); and,
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - PIDM  
50 West Town Street, Suite 700  
P. O. Box 1049  
Columbus, Ohio 43216-1049

and

Ohio Environmental Protection Agency  
Northwest District Office  
Division of Air Pollution Control  
347 North Dunbridge Road  
Bowling Green, Ohio 43402

## V. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emissions Limitations:  
2.47 lb NOx/hr and 10.82 tons/yr NOx

### Applicable Compliance Methods

The hourly and annual emission limitations represent the potential to emit\* of the emissions unit. Therefore, no monitoring and recordkeeping, reporting, or compliance method calculations are required to demonstrate compliance with these limitations. If required, the permittee shall demonstrate compliance with

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the hourly limitation in accordance with the test methods and procedures in Methods 1-4 and 7 of 40 CFR Part 60, Appendix A.

\* The potential to emit for this emissions unit is based on the maximum capacity of the boiler (50.4 mmBtu/hr), the heat content of natural gas (1020 Btu/ft<sup>3</sup>), and an emission factor of 50 lbs NO<sub>x</sub>/mm scf of natural gas burned (AP-42 Table 1.4-2, dated 9/98). The annual potential to emit is based on the hourly potential to emit and a maximum operating schedule of 8,760 hrs/yr.

- b. Emissions Limitations:  
4.15 lbs CO/hr and 18.18 tons/yr CO

Applicable Compliance Methods

The hourly and annual emission limitations represent the potential to emit\* of the emissions unit. Therefore, no monitoring and recordkeeping, reporting, or compliance method calculations are required to demonstrate compliance with these limitations. If required, the permittee shall demonstrate compliance with the hourly limitation in accordance with the test methods and procedures in Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.

\* The potential to emit for this emissions unit is based on the maximum capacity of the boiler (50.4 mmBtu/hr), the heat content of natural gas (1020 Btu/ft<sup>3</sup>), and an emission factor of 84 lbs CO/mm scf of natural gas burned (AP-42 Table 1.4-2, dated 9/98). The annual potential to emit is based on the hourly potential to emit and a maximum operating schedule of 8,760 hrs/yr.

- c. Emissions Limitations:  
0.020 lb PE/mmBtu of heat input

Applicable Compliance Method:

The permittee shall demonstrate compliance with the lb. PE/mmBTU allowable limitation by dividing the emission factor of 1.9 lbs of PM<sub>10</sub>/mm scf (USEPA, AP-42 emission factor, Table 1.4-2, revised 7/98) by the heating value of 1020 mmBtu/mm scf.

If required, the permittee shall demonstrate compliance with the lb PE/mmBTU limitation in accordance with the test methods and procedures in Methods 1-5 of 40 CFR Part 60, Appendix A.

- d. Emissions Limitation:  
Visible PE from the stack serving this emissions unit shall not exceed 20%

Emissions Unit ID: B005

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opacity, as a six-minute average.

Applicable Compliance Method:

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

**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.

**Operations, Property, and/or Equipment -(B005) - 50.4 mmBTU/hr Natural Gas-Fired Boiler**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

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**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.

**Operations, Property, and/or Equipment -(P010) - Carcass and Tire Building Area No. 1**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: (see A.I.2.a)  30.35 lbs of volatile organic compounds (VOC)/tire  18.3 tons of VOC per rolling, 12-month period from the tire building area (see A.I.2.b)
OAC rule 3745-31-05(C)	102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined (see A.I.2.c and A.I.2.i)
OAC rule 3745-17-11(B)	None (see A.I.2.d)
OAC rule 3745-17-07(A)	None (see A.I.2.e)
OAC rule 3745-21-09(X)(1)	None (see A.I.2.f)
40 CFR Part 60 Subpart BBB	None (see A.I.2.g)
40 CFR Part 63 Subpart X X X X	None (see A.I.2.h)

**2. Additional Terms and Conditions**

**2.a** Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that no control technologies for VOC were cost effective.

**2.b** The emission limitations of 30.35 lbs of VOC/tire and 18.3 tons of VOC/yr were

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established to reflect the potential to emit for this emissions unit. Therefore, no record keeping, deviation reporting or compliance method calculations are required to demonstrate compliance with these limitations.

- 2.c** The 102.4 tons of VOC per rolling, 12-month period emission limitation is a federally enforceable limitation established for the purpose of reducing emissions. The emission limitation is based on the federally enforceable restrictions on the solvent usage (see section A.II.1) and VOC contents (see A.II.2).
- 2.d** The uncontrolled mass rate of particulate emissions from P010 is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.e** This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.f** This emissions unit is exempt from the requirements of OAC rule 3745-21-09(X)(1) pursuant to OAC rule 3745-21-09(X)(2)(a).
- 2.g** This emissions unit is exempt from the requirements of 40 CFR Part 60 Subpart BBB due to the large bead diameter of tire produced and the definition of "tire" in this subpart.
- 2.h** This emissions unit is exempt from the requirements of 40 CFR Part 63 Subpart XXXX due to the fact that the entire facility has a PTE of less than 10 tons/year of HAP emissions.
- 2.i** The requirements of this rule also include compliance with OAC rule 3745-31-10 through 20.

**II. Operational Restrictions**

1. The carcass and tire building area employs solvents in the following three operations; carcass building, drum core cementing, and expander band lube. The maximum annual solvent usages for emissions units P010 through P015 combined shall not exceed 27,000 gallons for carcass building, 320 gallons for drum core cementing, and 7,900 gallons for expander band lube, per year, based upon a rolling 12-month summation of the gallon usages. To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall

not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Gallon Usage from Carcass Building (Heptane)	Maximum Allowable Gallon Usage from Drum Core Cementing	Maximum Allowable Gallon Usage from Expander Band Lube
1	5,400	60	1,500
1 - 2	7,600	85	2,100
1 - 3	9,800	110	2,700
1 - 4	12,000	135	3,300
1 - 5	14,200	160	3,900
1 - 6	16,400	185	4,500
1 - 7	18,600	210	5,100
1 - 8	19,800	235	5,700
1 - 9	22,000	260	6,300
1 - 10	24,400	285	6,900
1 - 11	26,600	310	7,500
1 - 12	27,000	320	7,900

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual solvent usage limitation shall be based upon a rolling 12-month summation of heptane, drum core cement, expander band lube .

2. The following volatile organic compound (VOC) contents of the solvents shall not be exceeded:
  - a. heptane of 5.92 lbs/gal,
  - b. drum core cement of 5.30 lbs/gal, and
  - c. expander band lube of 5.49 lbs/gallon.

### III. Monitoring and/or Recordkeeping Requirements

1. To demonstrate compliance with the limitations in section A.I.1, the permittee shall collect and record the following information each month for emissions units P010 through P015 combined:
  - a. the name and identification of each solvent employed, (ie, heptane, drum core cement and expander band lube);
  - b. the VOC content of each solvent (ie, heptane, drum core cement and expander band lube), in pounds per gallon, as applied;
  - c. the number of gallons of each solvent employed (ie, heptane, drum core cement

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and expander band lube);

- d. the rolling 12-month summation for each of the following solvents (in gallons)
    - i. heptane,
    - ii. drum core cement,
    - iii. expander band lube
  - e. the VOC emission rate for each solvent employed (ie, heptane, drum core cement and expander band lube), in pounds per month (b x c);
  - f. the total cumulative VOC emission rate for each solvent employed (summation of e), in pounds per month;
  - g. the rolling 12-month summation of the VOC emission rate (in tons) for all solvents employed.
2. Modeling to demonstrate compliance with the "Toxic Air Contaminant Statute" in ORC 3704.03(F)(4)(b) was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

**IV. Reporting Requirements**

- 1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, that identify the following:
  - a. all exceedances of the following VOC contents:
    - i. heptane of 5.92 lbs/gallon,
    - ii. drum core cement of 5.30 lbs/gallon, and
    - iii. expander band lube of 5.49 lbs/gallon;
  - b. all exceedances of the maximum annual rolling, 12-month solvent usage

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restrictions for emission units P010 through P015 combined:

- i. 27,000 gallons of heptane,
  - ii. 320 gallons of drum core cement,
  - iii. 7,900 gallons of expander band lube;
- c. any exceedances of the 102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

**V. Testing Requirements**

1. Compliance with the emission limitations contained in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation  
30.35 lbs of VOC/tire

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

If required, compliance with the VOC emission limitation shall be determined in accordance with the test methods and procedures in Methods 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

\* The potential to emit for this emissions unit is based on the summation of the following emissions: four gallons of heptane/tire from carcass building at 23.7 lbs/tire and 0.047 gallon of drum core cement/tire at 0.25 lbs/tire and 1.17 gallons of expander band lube/tire at 6.4 lbs/tire.

- b. Emission Limitation  
18.3 tons VOC/year from the tire building area

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

\* The annual potential to emit for this emissions unit is based on multiplying the maximum annual tire building production of 1205 tires by 30.35 lbs. of VOC/tire and (1 ton/2000 lbs). Therefore, if compliance is shown with the lbs. of VOC/tire emission limitation, compliance with the annual limitation shall be assumed.

- c. Emission Limitation  
102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section III.1 of this permit.

- d. Emission Limitation  
The maximum annual heptane usage for emission units P010 through P015 combined shall not exceed 27,000 gallons per year, based on a rolling,

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12-month summation of the heptane.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

e. Emission Limitation

The maximum annual drum core cement usage for emission units P010 through P015 combined shall not exceed 320 gallons per year, based on a rolling, 12-month summation of the drum core cement.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

f. Emission Limitation

The maximum annual expander band lube usage for emission units P010 through P015 combined shall not exceed 7,900 gallons per year, based on a rolling, 12-month summation of the expander band lube.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

g. Emission Limitation

The VOC content for the carcass building solvent employed in this emission unit shall not exceed 5.92 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

h. Emission Limitation

The VOC content for the drum core cement employed in this emission unit shall not exceed 5.30 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

i. Emission Limitation

Emissions Unit ID: P010

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The VOC content for the expander band lube employed in this emission unit shall not exceed 5.49 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

**Titan Tire Corporation of Bryan**  
DTI Application: 02 17202

**Facility ID: 0386010003**

Emissions Unit ID: P010

**VI. Miscellaneous Requirements**

None

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**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.

**Operations, Property, and/or Equipment -(P010) - Carcass and Tire Building Area No. 1**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

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**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.

**Operations, Property, and/or Equipment -(P011) - Carcass and Tire Building Area No. 2**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: (see A.I.2.a)  30.35 lbs of volatile organic compounds (VOC)/tire  18.3 tons of VOC per rolling, 12-month period from the tire building area (see A.I.2.b)
OAC rule 3745-31-05(C)	102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined (see A.I.2.c and A.I.2.i)
OAC rule 3745-17-11(B)	None (see A.I.2.d)
OAC rule 3745-17-07(A)	None (see A.I.2.e)
OAC rule 3745-21-09(X)(1)	None (see A.I.2.f)
40 CFR Part 60 Subpart BBB	None (see A.I.2.g)
40 CFR Part 63 Subpart X X X X	None (see A.I.2.h)

**2. Additional Terms and Conditions**

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- 2.a** Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that no control technologies for VOC were cost effective.
- 2.b** The emission limitations of 30.35 lbs of VOC/tire and 18.3 tons of VOC/yr were established to reflect the potential to emit for this emissions unit. Therefore, no record keeping, deviation reporting or compliance method calculations are required to demonstrate compliance with these limitations.
- 2.c** The 102.4 tons of VOC per rolling, 12-month period emission limitation is a federally enforceable limitation established for the purpose of reducing emissions. The emission limitation is based on the federally enforceable restrictions on the solvent usage (see section A.II.1) and VOC contents (see A.II.2).
- 2.d** The uncontrolled mass rate of particulate emissions from P011 is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.e** This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.f** This emissions unit is exempt from the requirements of OAC rule 3745-21-09(X)(1) pursuant to OAC rule 3745-21-09(X)(2)(a).
- 2.g** This emissions unit is exempt from the requirements of 40 CFR Part 60 Subpart BBB due to the large bead diameter of tire produced and the definition of "tire" in this subpart.
- 2.h** This emissions unit is exempt from the requirements of 40 CFR Part 63 Subpart XXXX due to the fact that the entire facility has a PTE of less than 10 tons/year of HAP emissions.
- 2.i** The requirements of this rule also include compliance with OAC rule 3745-31-10 through 20.

**II. Operational Restrictions**

- 1. The carcass and tire building area employs solvents in the following three operations; carcass building, drum core cementing, and expander band lube. The maximum

Emissions Unit ID: P011

annual solvent usages for emissions units P010 through P015 combined shall not exceed 27,000 gallons for carcass building, 320 gallons for drum core cementing, and 7,900 gallons for expander band lube, per year, based upon a rolling 12-month summation of the gallon usages. To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Gallon Usage from Carcass Building (Heptane)	Maximum Allowable Gallon Usage from Drum Core Cementing	Maximum Allowable Gallon Usage from Expander Band Lube
1	5,400	60	1,500
1 - 2	7,600	85	2,100
1 - 3	9,800	110	2,700
1 - 4	12,000	135	3,300
1 - 5	14,200	160	3,900
1 - 6	16,400	185	4,500
1 - 7	18,600	210	5,100
1 - 8	19,800	235	5,700
1 - 9	22,000	260	6,300
1 - 10	24,400	285	6,900
1 - 11	26,600	310	7,500
1 - 12	27,000	320	7,900

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual solvent usage limitation shall be based upon a rolling 12-month summation of heptane, drum core cement, expander band lube .

2. The following volatile organic compound (VOC) contents of the solvents shall not be exceeded:
  - a. heptane of 5.92 lbs/gal,
  - b. drum core cement of 5.30 lbs/gal, and
  - c. expander band lube of 5.49 lbs/gallon.

### III. Monitoring and/or Recordkeeping Requirements

1. To demonstrate compliance with the limitations in section A.I.1, the permittee shall collect and record the following information each month for emissions units P010 through P015 combined:
  - a. the name and identification of each solvent employed, (ie, heptane, drum core cement and expander band lube);

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- b. the VOC content of each solvent (ie, heptane, drum core cement and expander band lube), in pounds per gallon, as applied;
  - c. the number of gallons of each solvent employed (ie, heptane, drum core cement and expander band lube);
  - d. the rolling 12-month summation for each of the following solvents (in gallons)
    - i. heptane,
    - ii. drum core cement,
    - iii. expander band lube
  - e. the VOC emission rate for each solvent employed (ie, heptane, drum core cement and expander band lube), in pounds per month (b x c);
  - f. the total cumulative VOC emission rate for each solvent employed (summation of e), in pounds per month;
  - g. the rolling 12-month summation of the VOC emission rate (in tons) for all solvents employed.
2. Modeling to demonstrate compliance with the "Toxic Air Contaminant Statute" in ORC 3704.03(F)(4)(b) was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

**IV. Reporting Requirements**

- 1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, that identify the following:
  - a. all exceedances of the following VOC contents:
    - i. heptane of 5.92 lbs/gallon,

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- ii. drum core cement of 5.30 lbs/gallon, and
  - iii. expander band lube of 5.49 lbs/gallon;
- b. all exceedances of the maximum annual rolling, 12-month solvent usage restrictions for emission units P010 through P015 combined:
- i. 27,000 gallons of heptane,
  - ii. 320 gallons of drum core cement,
  - iii. 7,900 gallons of expander band lube;
- c. any exceedances of the 102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

**V. Testing Requirements**

1. Compliance with the emission limitations contained in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation  
30.35 lbs of VOC/tire

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

If required, compliance with the VOC emission limitation shall be determined in accordance with the test methods and procedures in Methods 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

\* The potential to emit for this emissions unit is based on the summation of the following emissions: four gallons of heptane/tire from carcass building at 23.7 lbs/tire and 0.047 gallon of drum core cement/tire at 0.25 lbs/tire and 1.17 gallons of expander band lube/tire at 6.4 lbs/tire.

- b. Emission Limitation  
18.3 tons VOC/year from the tire building area

Emissions Unit ID: P011

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

\* The annual potential to emit for this emissions unit is based on multiplying the maximum annual tire building production of 1205 tires by 30.35 lbs. of VOC/tire and (1 ton/2000 lbs). Therefore, if compliance is shown with the lbs. of VOC/tire emission limitation, compliance with the annual limitation shall be assumed.

c. Emission Limitation

102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section III.1 of this permit.

d. Emission Limitation

The maximum annual heptane usage for emission units P010 through P015 combined shall not exceed 27,000 gallons per year, based on a rolling, 12-month summation of the heptane.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

e. Emission Limitation

The maximum annual drum core cement usage for emission units P010 through P015 combined shall not exceed 320 gallons per year, based on a rolling, 12-month summation of the drum core cement.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

f. Emission Limitation

The maximum annual expander band lube usage for emission units P010 through P015 combined shall not exceed 7,900 gallons per year, based on a rolling, 12-month summation of the expander band lube.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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- g. Emission Limitation  
The VOC content for the carcass building solvent employed in this emission unit shall not exceed 5.92 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

- h. Emission Limitation  
The VOC content for the drum core cement employed in this emission unit shall not exceed 5.30 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

- i. Emission Limitation  
The VOC content for the expander band lube employed in this emission unit shall not exceed 5.49 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

**Titan Tire Corporation of Bryan**  
DTI Application: 03 17303

**Facility ID: 0386010003**

Emissions Unit ID: P011

**VI. Miscellaneous Requirements**

None

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**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.

**Operations, Property, and/or Equipment - (P011) - Carcass and Tire Building Area No. 2**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

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**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.

**Operations, Property, and/or Equipment - (P012) - Carcass and Tire Building Area No. 3**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: (see A.I.2.a)  30.35 lbs of volatile organic compounds (VOC)/tire  18.3 tons of VOC per rolling, 12-month period from the tire building area (see A.I.2.b)
OAC rule 3745-31-05(C)	102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined (see A.I.2.c and A.I.2.i)
OAC rule 3745-17-11(B)	None (see A.I.2.d)
OAC rule 3745-17-07(A)	None (see A.I.2.e)
OAC rule 3745-21-09(X)(1)	None (see A.I.2.f)
40 CFR Part 60 Subpart BBB	None (see A.I.2.g)
40 CFR Part 63 Subpart X X X X	None (see A.I.2.h)

**2. Additional Terms and Conditions**

- 2.a Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted

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to ensure the application of "Best Available Control Technology" (BACT), it has been determined that no control technologies for VOC were cost effective.

- 2.b** The emission limitations of 30.35 lbs of VOC/tire and 18.3 tons of VOC/yr were established to reflect the potential to emit for this emissions unit. Therefore, no record keeping, deviation reporting or compliance method calculations are required to demonstrate compliance with these limitations.
- 2.c** The 102.4 tons of VOC per rolling, 12-month period emission limitation is a federally enforceable limitation established for the purpose of reducing emissions. The emission limitation is based on the federally enforceable restrictions on the solvent usage (see section A.II.1) and VOC contents (see A.II.2).
- 2.d** The uncontrolled mass rate of particulate emissions from P012 is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.e** This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.f** This emissions unit is exempt from the requirements of OAC rule 3745-21-09(X)(1) pursuant to OAC rule 3745-21-09(X)(2)(a).
- 2.g** This emissions unit is exempt from the requirements of 40 CFR Part 60 Subpart BBB due to the large bead diameter of tire produced and the definition of "tire" in this subpart.
- 2.h** This emissions unit is exempt from the requirements of 40 CFR Part 63 Subpart XXXX due to the fact that the entire facility has a PTE of less than 10 tons/year of HAP emissions.
- 2.i** The requirements of this rule also include compliance with OAC rule 3745-31-10 through 20.

**II. Operational Restrictions**

- 1. The carcass and tire building area employs solvents in the following three operations; carcass building, drum core cementing, and expander band lube. The maximum annual solvent usages for emissions units P010 through P015 combined shall not

Emissions Unit ID: P012

exceed 27,000 gallons for carcass building, 320 gallons for drum core cementing, and 7,900 gallons for expander band lube, per year, based upon a rolling 12-month summation of the gallon usages. To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Gallon Usage from Carcass Building (Heptane)	Maximum Allowable Gallon Usage from Drum Core Cementing	Maximum Allowable Gallon Usage from Expander Band Lube
1	5,400	60	1,500
1 - 2	7,600	85	2,100
1 - 3	9,800	110	2,700
1 - 4	12,000	135	3,300
1 - 5	14,200	160	3,900
1 - 6	16,400	185	4,500
1 - 7	18,600	210	5,100
1 - 8	19,800	235	5,700
1 - 9	22,000	260	6,300
1 - 10	24,400	285	6,900
1 - 11	26,600	310	7,500
1 - 12	27,000	320	7,900

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual solvent usage limitation shall be based upon a rolling 12-month summation of heptane, drum core cement, expander band lube .

2. The following volatile organic compound (VOC) contents of the solvents shall not be exceeded:
  - a. heptane of 5.92 lbs/gal,
  - b. drum core cement of 5.30 lbs/gal, and
  - c. expander band lube of 5.49 lbs/gallon.

### III. Monitoring and/or Recordkeeping Requirements

1. To demonstrate compliance with the limitations in section A.I.1, the permittee shall collect and record the following information each month for emissions units P010 through P015 combined:
  - a. the name and identification of each solvent employed, (ie, heptane, drum core cement and expander band lube);

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- b. the VOC content of each solvent (ie, heptane, drum core cement and expander band lube), in pounds per gallon, as applied;
  - c. the number of gallons of each solvent employed (ie, heptane, drum core cement and expander band lube);
  - d. the rolling 12-month summation for each of the following solvents (in gallons)
    - i. heptane,
    - ii. drum core cement,
    - iii. expander band lube
  - e. the VOC emission rate for each solvent employed (ie, heptane, drum core cement and expander band lube), in pounds per month (b x c);
  - f. the total cumulative VOC emission rate for each solvent employed (summation of e), in pounds per month;
  - g. the rolling 12-month summation of the VOC emission rate (in tons) for all solvents employed.
2. Modeling to demonstrate compliance with the "Toxic Air Contaminant Statute" in ORC 3704.03(F)(4)(b) was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

**IV. Reporting Requirements**

1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, that identify the following:
  - a. all exceedances of the following VOC contents:
    - i. heptane of 5.92 lbs/gallon,
    - ii. drum core cement of 5.30 lbs/gallon, and

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- iii. expander band lube of 5.49 lbs/gallon;
- b. all exceedances of the maximum annual rolling, 12-month solvent usage restrictions for emission units P010 through P015 combined:
  - i. 27,000 gallons of heptane,
  - ii. 320 gallons of drum core cement,
  - iii. 7,900 gallons of expander band lube;
- c. any exceedances of the 102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

**V. Testing Requirements**

- 1. Compliance with the emission limitations contained in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation  
30.35 lbs of VOC/tire

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

If required, compliance with the VOC emission limitation shall be determined in accordance with the test methods and procedures in Methods 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

\* The potential to emit for this emissions unit is based on the summation of the following emissions: four gallons of heptane/tire from carcass building at 23.7 lbs/tire and 0.047 gallon of drum core cement/tire at 0.25 lbs/tire and 1.17 gallons of expander band lube/tire at 6.4 lbs/tire.

- b. Emission Limitation  
18.3 tons VOC/year from the tire building area

Emissions Unit ID: P012

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

\* The annual potential to emit for this emissions unit is based on multiplying the maximum annual tire building production of 1205 tires by 30.35 lbs. of VOC/tire and (1 ton/2000 lbs). Therefore, if compliance is shown with the lbs. of VOC/tire emission limitation, compliance with the annual limitation shall be assumed.

c. Emission Limitation

102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section III.1 of this permit.

d. Emission Limitation

The maximum annual heptane usage for emission units P010 through P015 combined shall not exceed 27,000 gallons per year, based on a rolling, 12-month summation of the heptane.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

e. Emission Limitation

The maximum annual drum core cement usage for emission units P010 through P015 combined shall not exceed 320 gallons per year, based on a rolling, 12-month summation of the drum core cement.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

f. Emission Limitation

The maximum annual expander band lube usage for emission units P010 through P015 combined shall not exceed 7,900 gallons per year, based on a rolling, 12-month summation of the expander band lube.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

g. Emission Limitation

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The VOC content for the carcass building solvent employed in this emission unit shall not exceed 5.92 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

h. Emission Limitation

The VOC content for the drum core cement employed in this emission unit shall not exceed 5.30 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

i. Emission Limitation

The VOC content for the expander band lube employed in this emission unit shall not exceed 5.49 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

**Titan Tire Corporation of Bryan**  
DTI Application: 02 17202

**Facility ID: 0386010003**

Emissions Unit ID: P012

**VI. Miscellaneous Requirements**

None

**Issued: To be entered upon final issuance**

**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.

**Operations, Property, and/or Equipment -(P012) - Carcass and Tire Building Area No. 3**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

Issued: To be entered upon final issuance

**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.

**Operations, Property, and/or Equipment - (P013) - Carcass and Tire Building Area No. 4**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: (see A.I.2.a)  30.35 lbs of volatile organic compounds (VOC)/tire  18.3 tons of VOC per rolling, 12-month period from the tire building area (see A.I.2.b)
OAC rule 3745-31-05(C)	102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined (see A.I.2.c and A.I.2.i)
OAC rule 3745-17-11(B)	None (see A.I.2.d)
OAC rule 3745-17-07(A)	None (see A.I.2.e)
OAC rule 3745-21-09(X)(1)	None (see A.I.2.f)
40 CFR Part 60 Subpart BBB	None (see A.I.2.g)
40 CFR Part 63 Subpart X X X X	None (see A.I.2.h)

**2. Additional Terms and Conditions**

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- 2.a** Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that no control technologies for VOC were cost effective.
- 2.b** The emission limitations of 30.35 lbs of VOC/tire and 18.3 tons of VOC/yr were established to reflect the potential to emit for this emissions unit. Therefore, no record keeping, deviation reporting or compliance method calculations are required to demonstrate compliance with these limitations.
- 2.c** The 102.4 tons of VOC per rolling, 12-month period emission limitation is a federally enforceable limitation established for the purpose of reducing emissions. The emission limitation is based on the federally enforceable restrictions on the solvent usage (see section A.II.1) and VOC contents (see A.II.2).
- 2.d** The uncontrolled mass rate of particulate emissions from P013 is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.e** This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.f** This emissions unit is exempt from the requirements of OAC rule 3745-21-09(X)(1) pursuant to OAC rule 3745-21-09(X)(2)(a).
- 2.g** This emissions unit is exempt from the requirements of 40 CFR Part 60 Subpart BBB due to the large bead diameter of tire produced and the definition of "tire" in this subpart.
- 2.h** This emissions unit is exempt from the requirements of 40 CFR Part 63 Subpart XXXX due to the fact that the entire facility has a PTE of less than 10 tons/year of HAP emissions.
- 2.i** The requirements of this rule also include compliance with OAC rule 3745-31-10 through 20.

**II. Operational Restrictions**

- 1. The carcass and tire building area employs solvents in the following three operations; carcass building, drum core cementing, and expander band lube. The maximum

Emissions Unit ID: P013

annual solvent usages for emissions units P010 through P015 combined shall not exceed 27,000 gallons for carcass building, 320 gallons for drum core cementing, and 7,900 gallons for expander band lube, per year, based upon a rolling 12-month summation of the gallon usages. To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Gallon Usage from Carcass Building (Heptane)	Maximum Allowable Gallon Usage from Drum Core Cementing	Maximum Allowable Gallon Usage from Expander Band Lube
1	5,400	60	1,500
1 - 2	7,600	85	2,100
1 - 3	9,800	110	2,700
1 - 4	12,000	135	3,300
1 - 5	14,200	160	3,900
1 - 6	16,400	185	4,500
1 - 7	18,600	210	5,100
1 - 8	19,800	235	5,700
1 - 9	22,000	260	6,300
1 - 10	24,400	285	6,900
1 - 11	26,600	310	7,500
1 - 12	27,000	320	7,900

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual solvent usage limitation shall be based upon a rolling 12-month summation of heptane, drum core cement, expander band lube .

2. The following volatile organic compound (VOC) contents of the solvents shall not be exceeded:
  - a. heptane of 5.92 lbs/gal,
  - b. drum core cement of 5.30 lbs/gal, and
  - c. expander band lube of 5.49 lbs/gallon.

### III. Monitoring and/or Recordkeeping Requirements

1. To demonstrate compliance with the limitations in section A.I.1, the permittee shall collect and record the following information each month for emissions units P010 through P015 combined:
  - a. the name and identification of each solvent employed, (ie, heptane, drum core cement and expander band lube);

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- b. the VOC content of each solvent (ie, heptane, drum core cement and expander band lube), in pounds per gallon, as applied;
  - c. the number of gallons of each solvent employed (ie, heptane, drum core cement and expander band lube);
  - d. the rolling 12-month summation for each of the following solvents (in gallons)
    - i. heptane,
    - ii. drum core cement,
    - iii. expander band lube
  - e. the VOC emission rate for each solvent employed (ie, heptane, drum core cement and expander band lube), in pounds per month (b x c);
  - f. the total cumulative VOC emission rate for each solvent employed (summation of e), in pounds per month;
  - g. the rolling 12-month summation of the VOC emission rate (in tons) for all solvents employed.
2. Modeling to demonstrate compliance with the "Toxic Air Contaminant Statute" in ORC 3704.03(F)(4)(b) was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

**IV. Reporting Requirements**

1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, that identify the following:
  - a. all exceedances of the following VOC contents:
    - i. heptane of 5.92 lbs/gallon,

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- ii. drum core cement of 5.30 lbs/gallon, and
  - iii. expander band lube of 5.49 lbs/gallon;
- b. all exceedances of the maximum annual rolling, 12-month solvent usage restrictions for emission units P010 through P015 combined:
- i. 27,000 gallons of heptane,
  - ii. 320 gallons of drum core cement,
  - iii. 7,900 gallons of expander band lube;
- c. any exceedances of the 102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

**V. Testing Requirements**

1. Compliance with the emission limitations contained in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation  
30.35 lbs of VOC/tire

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

If required, compliance with the VOC emission limitation shall be determined in accordance with the test methods and procedures in Methods 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

\* The potential to emit for this emissions unit is based on the summation of the following emissions: four gallons of heptane/tire from carcass building at 23.7 lbs/tire and 0.047 gallon of drum core cement/tire at 0.25 lbs/tire and 1.17 gallons of expander band lube/tire at 6.4 lbs/tire.

- b. Emission Limitation  
18.3 tons VOC/year from the tire building area

Emissions Unit ID: P013

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

\* The annual potential to emit for this emissions unit is based on multiplying the maximum annual tire building production of 1205 tires by 30.35 lbs. of VOC/tire and (1 ton/2000 lbs). Therefore, if compliance is shown with the lbs. of VOC/tire emission limitation, compliance with the annual limitation shall be assumed.

c. Emission Limitation

102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section III.1 of this permit.

d. Emission Limitation

The maximum annual heptane usage for emission units P010 through P015 combined shall not exceed 27,000 gallons per year, based on a rolling, 12-month summation of the heptane.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

e. Emission Limitation

The maximum annual drum core cement usage for emission units P010 through P015 combined shall not exceed 320 gallons per year, based on a rolling, 12-month summation of the drum core cement.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

f. Emission Limitation

The maximum annual expander band lube usage for emission units P010 through P015 combined shall not exceed 7,900 gallons per year, based on a rolling, 12-month summation of the expander band lube.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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- g. Emission Limitation  
The VOC content for the carcass building solvent employed in this emission unit shall not exceed 5.92 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

- h. Emission Limitation  
The VOC content for the drum core cement employed in this emission unit shall not exceed 5.30 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

- i. Emission Limitation  
The VOC content for the expander band lube employed in this emission unit shall not exceed 5.49 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

**Titan Tire Corporation of Bryan**  
DTI Application: 02 17202

**Facility ID: 0386010003**

Emissions Unit ID: P013

**VI. Miscellaneous Requirements**

None

**Issued: To be entered upon final issuance**

**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.

**Operations, Property, and/or Equipment - (P013) - Carcass and Tire Building Area No. 4**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

Issued: To be entered upon final issuance

**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.

**Operations, Property, and/or Equipment -(P014) - Carcass and Tire Building Area No. 5**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: (see A.I.2.a)  30.35 lbs of volatile organic compounds (VOC)/tire  18.3 tons of VOC per rolling, 12-month period from the tire building area (see A.I.2.b)
OAC rule 3745-31-05(C)	102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined (see A.I.2.c and A.I.2.i)
OAC rule 3745-17-11(B)	None (see A.I.2.d)
OAC rule 3745-17-07(A)	None (see A.I.2.e)
OAC rule 3745-21-09(X)(1)	None (see A.I.2.f)
40 CFR Part 60 Subpart BBB	None (see A.I.2.g)
40 CFR Part 63 Subpart X X X X	None (see A.I.2.h)

**2. Additional Terms and Conditions**

**Issued: To be entered upon final issuance**

- 2.a** Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that no control technologies for VOC were cost effective.
- 2.b** The emission limitations of 30.35 lbs of VOC/tire and 18.3 tons of VOC/yr were established to reflect the potential to emit for this emissions unit. Therefore, no record keeping, deviation reporting or compliance method calculations are required to demonstrate compliance with these limitations.
- 2.c** The 102.4 tons of VOC per rolling, 12-month period emission limitation is a federally enforceable limitation established for the purpose of reducing emissions. The emission limitation is based on the federally enforceable restrictions on the solvent usage (see section A.II.1) and VOC contents (see A.II.2).
- 2.d** The uncontrolled mass rate of particulate emissions from P014 is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.e** This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.f** This emissions unit is exempt from the requirements of OAC rule 3745-21-09(X)(1) pursuant to OAC rule 3745-21-09(X)(2)(a).
- 2.g** This emissions unit is exempt from the requirements of 40 CFR Part 60 Subpart BBB due to the large bead diameter of tire produced and the definition of "tire" in this subpart.
- 2.h** This emissions unit is exempt from the requirements of 40 CFR Part 63 Subpart XXXX due to the fact that the entire facility has a PTE of less than 10 tons/year of HAP emissions.
- 2.i** The requirements of this rule also include compliance with OAC rule 3745-31-10 through 20.

**II. Operational Restrictions**

- 1. The carcass and tire building area employs solvents in the following three operations; carcass building, drum core cementing, and expander band lube. The maximum

Emissions Unit ID: P014

annual solvent usages for emissions units P010 through P015 combined shall not exceed 27,000 gallons for carcass building, 320 gallons for drum core cementing, and 7,900 gallons for expander band lube, per year, based upon a rolling 12-month summation of the gallon usages. To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Gallon Usage from Carcass Building (Heptane)	Maximum Allowable Gallon Usage from Drum Core Cementing	Maximum Allowable Gallon Usage from Expander Band Lube
1	5,400	60	1,500
1 - 2	7,600	85	2,100
1 - 3	9,800	110	2,700
1 - 4	12,000	135	3,300
1 - 5	14,200	160	3,900
1 - 6	16,400	185	4,500
1 - 7	18,600	210	5,100
1 - 8	19,800	235	5,700
1 - 9	22,000	260	6,300
1 - 10	24,400	285	6,900
1 - 11	26,600	310	7,500
1 - 12	27,000	320	7,900

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual solvent usage limitation shall be based upon a rolling 12-month summation of heptane, drum core cement, expander band lube .

2. The following volatile organic compound (VOC) contents of the solvents shall not be exceeded:
  - a. heptane of 5.92 lbs/gal,
  - b. drum core cement of 5.30 lbs/gal, and
  - c. expander band lube of 5.49 lbs/gallon.

### III. Monitoring and/or Recordkeeping Requirements

1. To demonstrate compliance with the limitations in section A.I.1, the permittee shall collect and record the following information each month for emissions units P010 through P015 combined:
  - a. the name and identification of each solvent employed, (ie, heptane, drum core cement and expander band lube);

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- b. the VOC content of each solvent (ie, heptane, drum core cement and expander band lube), in pounds per gallon, as applied;
  - c. the number of gallons of each solvent employed (ie, heptane, drum core cement and expander band lube);
  - d. the rolling 12-month summation for each of the following solvents (in gallons)
    - i. heptane,
    - ii. drum core cement,
    - iii. expander band lube
  - e. the VOC emission rate for each solvent employed (ie, heptane, drum core cement and expander band lube), in pounds per month (b x c);
  - f. the total cumulative VOC emission rate for each solvent employed (summation of e), in pounds per month;
  - g. the rolling 12-month summation of the VOC emission rate (in tons) for all solvents employed.
2. Modeling to demonstrate compliance with the "Toxic Air Contaminant Statute" in ORC 3704.03(F)(4)(b) was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

**IV. Reporting Requirements**

1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, that identify the following:
  - a. all exceedances of the following VOC contents:
    - i. heptane of 5.92 lbs/gallon,

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- ii. drum core cement of 5.30 lbs/gallon, and
  - iii. expander band lube of 5.49 lbs/gallon;
- b. all exceedances of the maximum annual rolling, 12-month solvent usage restrictions for emission units P010 through P015 combined:
- i. 27,000 gallons of heptane,
  - ii. 320 gallons of drum core cement,
  - iii. 7,900 gallons of expander band lube;
- c. any exceedances of the 102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

**V. Testing Requirements**

1. Compliance with the emission limitations contained in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation  
30.35 lbs of VOC/tire

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

If required, compliance with the VOC emission limitation shall be determined in accordance with the test methods and procedures in Methods 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

\* The potential to emit for this emissions unit is based on the summation of the following emissions: four gallons of heptane/tire from carcass building at 23.7 lbs/tire and 0.047 gallon of drum core cement/tire at 0.25 lbs/tire and 1.17 gallons of expander band lube/tire at 6.4 lbs/tire.

- b. Emission Limitation  
18.3 tons VOC/year from the tire building area

Emissions Unit ID: P014

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

\* The annual potential to emit for this emissions unit is based on multiplying the maximum annual tire building production of 1205 tires by 30.35 lbs. of VOC/tire and (1 ton/2000 lbs). Therefore, if compliance is shown with the lbs. of VOC/tire emission limitation, compliance with the annual limitation shall be assumed.

c. Emission Limitation

102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section III.1 of this permit.

d. Emission Limitation

The maximum annual heptane usage for emission units P010 through P015 combined shall not exceed 27,000 gallons per year, based on a rolling, 12-month summation of the heptane.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

e. Emission Limitation

The maximum annual drum core cement usage for emission units P010 through P015 combined shall not exceed 320 gallons per year, based on a rolling, 12-month summation of the drum core cement.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

f. Emission Limitation

The maximum annual expander band lube usage for emission units P010 through P015 combined shall not exceed 7,900 gallons per year, based on a rolling, 12-month summation of the expander band lube.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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- g. Emission Limitation  
The VOC content for the carcass building solvent employed in this emission unit shall not exceed 5.92 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

- h. Emission Limitation  
The VOC content for the drum core cement employed in this emission unit shall not exceed 5.30 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

- i. Emission Limitation  
The VOC content for the expander band lube employed in this emission unit shall not exceed 5.49 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

**Titan Tire Corporation of Bryan**  
DTI Application: 02 17202

**Facility ID: 0386010003**

Emissions Unit ID: P014

**VI. Miscellaneous Requirements**

None

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**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.

**Operations, Property, and/or Equipment -(P014) - Carcass and Tire Building Area No. 5**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

Issued: To be entered upon final issuance

**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.

**Operations, Property, and/or Equipment - (P015) - Carcass and Tire Building Area No. 6**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: (see A.I.2.a)  30.35 lbs of volatile organic compounds (VOC)/tire  18.3 tons of VOC per rolling, 12-month period from the tire building area (see A.I.2.b)
OAC rule 3745-31-05(C)	102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined (see A.I.2.c and A.I.2.i)
OAC rule 3745-17-11(B)	None (see A.I.2.d)
OAC rule 3745-17-07(A)	None (see A.I.2.e)
OAC rule 3745-21-09(X)(1)	None (see A.I.2.f)
40 CFR Part 60 Subpart BBB	None (see A.I.2.g)
40 CFR Part 63 Subpart	None (see A.I.2.h)
X X X X	

**2. Additional Terms and Conditions**

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- 2.a** Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that no control technologies for VOC were cost effective.
- 2.b** The emission limitations of 30.35 lbs of VOC/tire and 18.3 tons of VOC/yr were established to reflect the potential to emit for this emissions unit. Therefore, no record keeping, deviation reporting or compliance method calculations are required to demonstrate compliance with these limitations.
- 2.c** The 102.4 tons of VOC per rolling, 12-month period emission limitation is a federally enforceable limitation established for the purpose of reducing emissions. The emission limitation is based on the federally enforceable restrictions on the solvent usage (see section A.II.1) and VOC contents (see A.II.2).
- 2.d** The uncontrolled mass rate of particulate emissions from P015 is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.e** This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.f** This emissions unit is exempt from the requirements of OAC rule 3745-21-09(X)(1) pursuant to OAC rule 3745-21-09(X)(2)(a).
- 2.g** This emissions unit is exempt from the requirements of 40 CFR Part 60 Subpart BBB due to the large bead diameter of tire produced and the definition of "tire" in this subpart.
- 2.h** This emissions unit is exempt from the requirements of 40 CFR Part 63 Subpart XXXX due to the fact that the entire facility has a PTE of less than 10 tons/year of HAP emissions.
- 2.i** The requirements of this rule also include compliance with OAC rule 3745-31-10 through 20.

**II. Operational Restrictions**

- 1. The carcass and tire building area employs solvents in the following three operations; carcass building, drum core cementing, and expander band lube. The maximum

Emissions Unit ID: P015

annual solvent usages for emissions units P010 through P015 combined shall not exceed 27,000 gallons for carcass building, 320 gallons for drum core cementing, and 7,900 gallons for expander band lube, per year, based upon a rolling 12-month summation of the gallon usages. To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Gallon Usage from Carcass Building (Heptane)	Maximum Allowable Gallon Usage from Drum Core Cementing	Maximum Allowable Gallon Usage from Expander Band Lube
1	5,400	60	1,500
1 - 2	7,600	85	2,100
1 - 3	9,800	110	2,700
1 - 4	12,000	135	3,300
1 - 5	14,200	160	3,900
1 - 6	16,400	185	4,500
1 - 7	18,600	210	5,100
1 - 8	19,800	235	5,700
1 - 9	22,000	260	6,300
1 - 10	24,400	285	6,900
1 - 11	26,600	310	7,500
1 - 12	27,000	320	7,900

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual solvent usage limitation shall be based upon a rolling 12-month summation of heptane, drum core cement, expander band lube .

2. The following volatile organic compound (VOC) contents of the solvents shall not be exceeded:
  - a. heptane of 5.92 lbs/gal,
  - b. drum core cement of 5.30 lbs/gal, and
  - c. expander band lube of 5.49 lbs/gallon.

### III. Monitoring and/or Recordkeeping Requirements

1. To demonstrate compliance with the limitations in section A.I.1, the permittee shall collect and record the following information each month for emissions units P010 through P015 combined:
  - a. the name and identification of each solvent employed, (ie, heptane, drum core cement and expander band lube);

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- b. the VOC content of each solvent (ie, heptane, drum core cement and expander band lube), in pounds per gallon, as applied;
  - c. the number of gallons of each solvent employed (ie, heptane, drum core cement and expander band lube);
  - d. the rolling 12-month summation for each of the following solvents (in gallons)
    - i. heptane,
    - ii. drum core cement,
    - iii. expander band lube
  - e. the VOC emission rate for each solvent employed (ie, heptane, drum core cement and expander band lube), in pounds per month (b x c);
  - f. the total cumulative VOC emission rate for each solvent employed (summation of e), in pounds per month;
  - g. the rolling 12-month summation of the VOC emission rate (in tons) for all solvents employed.
2. Modeling to demonstrate compliance with the "Toxic Air Contaminant Statute" in ORC 3704.03(F)(4)(b) was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

**IV. Reporting Requirements**

- 1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, that identify the following:
  - a. all exceedances of the following VOC contents:
    - i. heptane of 5.92 lbs/gallon,

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- ii. drum core cement of 5.30 lbs/gallon, and
  - iii. expander band lube of 5.49 lbs/gallon;
- b. all exceedances of the maximum annual rolling, 12-month solvent usage restrictions for emission units P010 through P015 combined:
- i. 27,000 gallons of heptane,
  - ii. 320 gallons of drum core cement,
  - iii. 7,900 gallons of expander band lube;
- c. any exceedances of the 102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

**V. Testing Requirements**

1. Compliance with the emission limitations contained in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation  
30.35 lbs of VOC/tire

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

If required, compliance with the VOC emission limitation shall be determined in accordance with the test methods and procedures in Methods 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

\* The potential to emit for this emissions unit is based on the summation of the following emissions: four gallons of heptane/tire from carcass building at 23.7 lbs/tire and 0.047 gallon of drum core cement/tire at 0.25 lbs/tire and 1.17 gallons of expander band lube/tire at 6.4 lbs/tire.

- b. Emission Limitation  
18.3 tons VOC/year from the tire building area

Emissions Unit ID: P015

Applicable Compliance Method

This emissions limitation is based on the emission unit's potential to emit\*. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

\* The annual potential to emit for this emissions unit is based on multiplying the maximum annual tire building production of 1205 tires by 30.35 lbs. of VOC/tire and (1 ton/2000 lbs). Therefore, if compliance is shown with the lbs. of VOC/tire emission limitation, compliance with the annual limitation shall be assumed.

c. Emission Limitation

102.4 tons of VOC per rolling, 12-month period from the use of solvents for carcass and tire building from emission units P010 through P015 combined.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section III.1 of this permit.

d. Emission Limitation

The maximum annual heptane usage for emission units P010 through P015 combined shall not exceed 27,000 gallons per year, based on a rolling, 12-month summation of the heptane.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

e. Emission Limitation

The maximum annual drum core cement usage for emission units P010 through P015 combined shall not exceed 320 gallons per year, based on a rolling, 12-month summation of the drum core cement.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

f. Emission Limitation

The maximum annual expander band lube usage for emission units P010 through P015 combined shall not exceed 7,900 gallons per year, based on a rolling, 12-month summation of the expander band lube.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III.1 of this permit.

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- g. Emission Limitation  
The VOC content for the carcass building solvent employed in this emission unit shall not exceed 5.92 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

- h. Emission Limitation  
The VOC content for the drum core cement employed in this emission unit shall not exceed 5.30 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

- i. Emission Limitation  
The VOC content for the expander band lube employed in this emission unit shall not exceed 5.49 lbs/gallon.

Applicable Compliance Method

Compliance shall be based upon the record keeping requirements specified in Section A.III. 1 of this permit.

**Titan Tire Corporation of Bryan**  
DTI Application: 02-17302

**Facility ID: 0386010003**

Emissions Unit ID: P015

**VI. Miscellaneous Requirements**

None

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**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.

**Operations, Property, and/or Equipment -(P015) - Carcass and Tire Building Area No. 6**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

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**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.

**Operations, Property, and/or Equipment -(P016) - Curing Repair and Finish Area**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: None (see A.I.2.a)
OAC rule 3745-31-05(A)(3)(b)	See Section A.2.b.
OAC rule 3745-21-09(X)(1)	None (see A.I.2.c)
40 CFR Part 60 Subpart BBB	None (see A.I.2.d)
40 CFR Part 63 Subpart X X X X	None (see A.I.2.e)

**2. Additional Terms and Conditions**

- 2.a Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that no control technologies for VOC were cost effective.
- 2.b The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions from this air contaminant source since the uncontrolled potentials to emit for VOC is each less than ten

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tons per year.

The potential to emit for this emissions unit is 0.84 ton of VOC per year based on the maximum hourly usage rate of repair cement of 0.16 lb. of VOC/hr and 0.032 lb. of VOC/hr of finish cement, and a maximum operating schedule of 8760 hours per year, divided by 2000 lbs.

- 2.c** This emissions unit is exempt from the requirements of OAC rule 3745-21-09(X)(1) pursuant to OAC rule 3745-21-09(X)(2)(a).
- 2.d** This emissions unit is exempt from the requirements of 40 CFR Part 60 Subpart BBB due to the large bead diameter of tire produced and the definition of "tire" in this subpart.
- 2.e** This emissions unit is exempt from the requirements of 40 CFR Part 63 Subpart XXXX due to the fact that the entire facility has a PTE of less than 10 tons/year of HAP emissions.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

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**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.

**Operations, Property, and/or Equipment -(P016) - Curing Repair and Finish Area**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None