Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

1/26/2011

Certified Mail

No	TOXIC REVIEW
No	PSD
Yes	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
Yes	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Robert Morton
CertainTeed Corp.
11519 State Route 250N
Milan, OH 44846

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0322000017
Permit Number: 03-17171
Permit Type: OAC Chapter 3745-31 Modification
County: Erie

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of 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 permit. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, Sandusky Register. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
122 South Front Street
Columbus, Ohio 43215

and

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 - *Via E-Mail Notification*
Ohio EPA-NWDO; Michigan; Canada

Permit Strategy Write-Up

1. Check all that apply:

   _X_ Synthetic Minor Determination

   ___ Netting Determination

2. Source Description: CertainTeed Corp. is an existing fiberglass asphalt roofing shingle manufacturing facility located in Avery, Ohio (Erie County). The Avery manufacturing facility involves two asphalt shingle manufacturing lines and associated support operations (i.e. storage tanks, heaters, etc.)

3. Facility Emissions and Attainment Status: CertainTeed Corp. is currently a synthetic minor facility with federally enforceable restrictions which limits the faciity's potential to emit for volatile organic compounds (VOC) below the PSD major source threshold of 250 tons per year. CertainTeed Corp. is a minor source for purposes of MACT applicability. Currently federally enforceable restrictions for VOC result in potential emissions of hazardous air pollutants (HAP) below the MACT major source thresholds of 10 tons for a single HAP and 25 tons for combined HAPs.

4. Source Emissions: This permit involves a re-permitting of facility operations to more accurately reflect emission unit assignments. This permit also involves a revision of the current synthetic minor restrictions to established a facility-wide asphalt coating usage restriction which will provide the facility with greater flexibility compared to the current restriction on an individual asphalt manufacturing line. The restriction on facility-wide coating asphalt usage will continue to limit the facility potential emission for HAPs below the MACT major source thresholds.

   Additionally CertainTeed Corp is requesting federally enforceable restrictions and limitations to restrict the potential emissions of particulate matter of less than or equal to ten microns in size (PM_{10}) emitted from the "filler system" (emissions unit P104) at the facility based on baghouse control applied.

5. Conclusion: The re-permitting action and the revision of the facility's current synthetic minor restrictions along with federally enforceable requirements associated with baghouse controls will continue to limit and maintain the facility's status as a minor source for PSD and MACT purposes.

6. Please provide additional notes or comments as necessary:

   None

7. Total Permit Allowable Emissions Summary (for informational purposes only):

Pollutant	Tons Per Year
OC	169.70
PM10	77.57
CO	52.66
NOx	18.00
SO2	5.20

Erie County

PUBLIC NOTICE
Issuance of Draft Air Pollution Permit-To-Install
CertainTeed Corp.

Issue Date: 1/26/2011
Permit Number: 03-17171
Permit Type: OAC Chapter 3745-31 Modification
Permit Description: Permit action to re-permit current facility operations and establish synthetic minor restrictions to limit the facility potential to emit below the PSD major source threshold of 250 tons VOC per year.
Facility ID: 0322000017
Facility Location: CertainTeed Corp.
11519 State Route 250N,
Milan, OH 44846
Facility Description: Asphalt Shingle and Coating Materials Manufacturing

Scott J. Nally, Director of the Ohio Environmental Protection Agency, 50 West Town Street, Columbus Ohio, has issued a draft action of an air pollution control permit-to-install (PTI) for an air contaminant source at the location identified above on the date indicated. Installation of the air contaminant source may proceed upon final issuance of the PTI. Comments concerning this draft action, or a request for a public meeting, must be sent in writing no later than thirty (30) days from the date this notice is published. All comments, questions, requests for permit applications or other pertinent documentation, and correspondence concerning this action must be directed to Donald Waltermeyer at Ohio EPA DAPC, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402 or (419)352-8461. The permit can be downloaded from the Web page: www.epa.ohio.gov/dapc

Ohio | Environmental Protection Agency

DRAFT

Division of Air Pollution Control
Permit-to-Install
for
CertainTeed Corp.

Facility ID:	0322000017
Permit Number:	03-17171
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	1/26/2011
Effective:	To be entered upon final issuance

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install
for
CertainTeed Corp.

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Authorization

Facility ID: 0322000017
Facility Description: Asphalt Felts and Coatings
Application Number(s): A0003831, A0040627, A0040632
Permit Number: 03-17171
Permit Description: Permit action to re-permit current facility operations and establish synthetic minor restrictions to limit the facility potential to emit below the PSD major source threshold of 250 tons VOC per year.
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: $7,550.00 *DO NOT send payment at this time, subject to change before final issuance*
Issue Date: 1/26/2011
Effective Date: To be entered upon final issuance

This document constitutes issuance to:

CertainTeed Corp.
11519 State Route 250N
Milan, OH 44846

of a Permit-to-Install for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

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

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section 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 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

Scott J. Nally
Director

Authorization (continued)

Permit Number: 03-17171
Permit Description: Permit action to re-permit current facility operations and establish synthetic minor restrictions to limit the facility potential to emit below the PSD major source threshold of 250 tons VOC per year.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	**P101**
Company Equipment ID:	Line No. 1 Process Units
Superseded Permit Number:	03-17284
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P102**
Company Equipment ID:	Line No. 2 Process Units
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P103**
Company Equipment ID:	Offline laminator
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P104**
Company Equipment ID:	Line No. 1 Filler System
Superseded Permit Number:	03-17284
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P105**
Company Equipment ID:	Line No. 2 Filler System
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T105**
Company Equipment ID:	Saturant Asphalt Storage Tank
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Group Name: Coating Asphalt Heaters

Emissions Unit ID:	**B103**
Company Equipment ID:	No. 1 Coating Asphalt Heater
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**B104**
Company Equipment ID:	No. 2 Coating Asphalt Heater
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**B105**
Company Equipment ID:	No. 3 Asphalt Heater
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Group Name: Coating Asphalt Storage Tanks

Emissions Unit ID:	**T101**
Company Equipment ID:	Coating Asphalt Storage Tank #1 (50,000 gal)
Superseded Permit Number:	03-17284
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T102**
Company Equipment ID:	Coating Asphalt Storage Tank #2 (50,000 gal)
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T103**
Company Equipment ID:	Asphalt Storage Tank #3 (50,000 gal)
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T104**
Company Equipment ID:	AC-20 Asphalt Storage Tank #4 (50,000 gal)
Superseded Permit Number:	03-17284
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A.2.a), Severability Clause

(2) Standard Term and Condition A.3.c) through A. 3.e) General Requirements

(3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements

(4) Standard Term and Condition A.9., Reporting Requirements

(5) Standard Term and Condition A.10., Applicability

(6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install

(7) Standard Term and Condition A.14., Public Disclosure

(8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(9) Standard Term and Condition A.16., Fees

(10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

a) 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.

b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. 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.

4. Monitoring and Related Record Keeping 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:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) 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:

(1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Northwest District Office.

(2) 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 Ohio EPA DAPC, Northwest District Office. The written 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 A.15. below if no deviations occurred during the quarter.

(3) 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 Ohio EPA DAPC, Northwest District Office 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.

(4) This permit is for an emissions unit located at a Title V facility. 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.

5. 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 Ohio EPA DAPC, Northwest District Office 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).

6. Compliance Requirements

a) 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.

b) 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.

c) 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:

(1) 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.

(2) 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.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) 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.

d) The permittee shall submit progress reports to the Ohio EPA DAPC, Northwest District Office concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) 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.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. 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 Ohio EPA DAPC, Northwest District Office.

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 Ohio EPA DAPC, Northwest District Office. 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.)

10. 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).

11. Construction of New Sources(s) and Authorization to Install

a) 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.

b) If applicable, authorization to install any new 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 installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. 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.

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as “permanently shut down” in Ohio EPA’s “Air Services” along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All

records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

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).

13. Construction Compliance Certification

The applicant shall identify the following dates in the online facility profile for each new emissions unit identified in this permit.

a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.

b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. 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.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

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.

16. 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.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the “Owner/Contact Change” functionality in Air Services once the transfer is legally completed. The change must be submitted through Air Services within thirty days of the ownership transfer date.

18. 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.

19. Title IV Provisions

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

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

2. This permit establishes the following facility-wide terms and conditions for purposes of establishing federally enforceable requirements to limit the potential to emit (PTE) of organic compounds (OC) from the facility. For purposes of federal enforceability, restrictions on OC emissions effectively restricts emissions of volatile organic compounds. The federally enforceable restrictions are being established for purposes of avoiding "Prevention of Significant Deterioration" (PSD) applicability.

   a) This permit establishes an operational restriction which limits coating asphalt usage at the facility to a level not to exceed 200,000 tons, based upon a rolling 12-month period. Based on the configuration of asphalt shingle manufacturing operations at the facility, the usage restriction limits the throughput capacity of:

      (1) all materials used by the asphalt shingle production lines at the facility (emissions units P101 and P102); and

      (2) storage tank operations (emissions units; T101, T102, T103, T104, and T105).

   b) Based on the asphalt coating usage restriction, this permit establishes the following federally enforceable emission limitations:

      (1) Combined emissions from emissions units P101, P102, T101, T102, T103, T104, and T105 shall not exceed the following:

         a. 142.17 tons OC per rolling, 12-month period;

         b. 59.88 tons of emissions of particulate matter 10 microns or less in size (PM10)* per rolling, 12-month period;

         c. 37.49 tons carbon monoxide (CO)* per rolling, 12-month period; and

         d. 5.20 tons sulfur dioxide (SO2)* per rolling, 12-month period (it should be noted that SO2 is not emitted from storage tank operations).

      *The coating asphalt usage restriction established to restrict OC emissions also restricts emissions of PM10, CO, and SO2. The limitations for PM10, CO, and SO2; therefore, reflect the PTE based on the coating asphalt usage restriction, but federally enforceable restrictions were not necessary to avoid PSD applicability.

   c) To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the coating asphalt usage at the facility shall not exceed the usage levels specified in the following table:

MONTH(s)	MAXIMUM ALLOWABLE CUMULATIVE COATING ASPHALT USAGE (TONS)
1	25,000
1-2	50,000
1-3	75,000

1-4	100,000
1-5	125,000
1-6	150,000
1-7	175,000
1-8	200,000
1-9	200,000
1-10	200,000
1-11	200,000
1-12	200,000

After the first 12 calendar months of operation under the provisions of this permit, compliance with the coating asphalt usage limitation shall be based upon a rolling, 12-month summation of the monthly usage rates.

d) The permittee shall maintain monthly records of the following information to demonstrate compliance with the facility coating asphalt usage restriction: [Compliance with the coating asphalt usage for the facility shall be determined by the coating asphalt usage in emissions units P101 and P102, combined.]

(1) coating asphalt usage in emissions unit P101 each month, in tons;

(2) coating asphalt usage in emissions unit P102 each month, in tons;

(3) coating asphalt usage in emissions units P101 and P102, combined, in tons;

(4) during the first 12 calendar months of operation following the issuance of this permit, the cumulative coating asphalt usage in emissions units P101 and P102, combined, in tons;

(5) beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the coating asphalt usage in emissions units P101 and P102 combined, in tons;

e) The permittee shall maintain monthly records of the following information to demonstrate compliance with combined emission limitations contained in B.2.c. above.

(1) combined emissions from P101, P102, and T105 of:

a. OC, in tons;

b. CO, in tons;

c. PM10, in tons;

d. SO2, in tons.

Monitoring and record keeping requirements of the emissions from individual emissions units are contained Section C - Emissions Units Terms and Conditions.

(2) combined emissions from T101, T102, T103, and T104 of:

a. OC, in tons;

b. CO, in tons;

c. PM10, in tons.

Monitoring and record keeping requirements of the emissions from individual emissions units are contained Section C - Emissions Units Terms and Conditions.

(3) total combined emissions from P101, P102, T101, T102, T103, and T104 of:

a. OC, in tons;

b. CO, in tons;

c. PM10, in tons;

d. SO2, in tons.

(4) during the first 12 calendar months of operation under the provisions of this permit, the permittee shall record the cumulative emissions for P101, P102, T101, T102, T103, and T104 combined of;

a. OC, in tons;

b. CO, in tons;

c. PM10, in tons;

d. SO2, in tons.

(5) beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the emission rate for P101, P102, T101, T102, T103, and T104 combined of:

a. OC, in tons;

b. CO, in tons;

c. PM10, in tons;

d. SO2, in tons.

f) The permittee shall submit quarterly deviation (excursion) reports that identify:

(1) all exceedances of the rolling, 12-month coating asphalt usage restriction for the facility; and for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating asphalt usage levels;

(2) all exceedances of the following rolling, 12-month emissions limitations for emissions units P101, P102, T101, T102, T103, T104, and T105, combined:

a. 142.17 tons OC/rolling, 12-month period;

b. 59.88 tons PM10/rolling, 12-month period;

c. 37.49 tons CO/rolling, 12-month period; and

d. 5.20 tons SO2/rolling, 12 month period

e. the probable cause of each deviation (excursion);

f. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and

g. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

3. The CertainTeed Corp. facility located in Avery, Ohio has always had potential emissions of hazardous air pollutants (HAP) below the MACT major source threshold of 10 tons for an individual HAP and less than 25 tons for combined HAPs. The operational restriction limiting coating asphalt usage at the facility to 200,000 tons per rolling, 12-month period will maintain potential emissions of HAPs below MACT major source thresholds.

4. The permittee should be advised that this facility may be subject to the "Generally Available Control Technology" (GACT) requirements under 40 CFR Part 63 Subpart AAAAAAA (National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing). The U.S. EPA is responsible for the administration of the requirements of this rule at this time. It should be noted that the enforcement authority of the GACT requirements is not delegated to Ohio EPA at the time of this permit processing. The complete requirements of this rule (including the Part 63 General Provisions) may be accessed via the Internet from the Electronic Code of Federal Regulations (e-CFR) website http://www.ecfr.gpoaccess.gov or by contacting the appropriate District Office or local air agency.

C. Emissions Unit Terms and Conditions

1. P101, Line No. 1 Process Units

Operations, Property and/or Equipment Description:

Asphalt shingle manufacturing process line (line no.1). Modification of PTI 03-17284, issued July 26, 2007, to re-permit asphalt shingle manufacturing operations as a processing line and also to establish combined limits for emissions units P101, P102, and T105 to restrict potential emissions below PSD major source applicability levels.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b)(1)h. and d)(6).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) as effective 11/30/01	Control measures – see b)(2)b.iv.(a) through b)(2)b.iv.(e) Short-term emission limitations – see b)(2)b.v. Visible emission restrictions – see b)(2)c. See b)(2)a. See b)(2)j.
b.	OAC rule 3745-31-05(D)	Federally enforceable emission limitations for P101, P102, T101, T102, T103, T104, and T105, combined: 142.17 tons organic compounds (OC)/rolling, 12-month period; 59.88 tons emissions of particulate matter 10 microns or less in size (PM10)/rolling, 12-month period; 37.49 tons carbon monoxide (CO)/rolling, 12-month period; and 5.20 tons sulfur dioxide (SO2)/rolling, 12-month period;

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		See Section B.2
c.	OAC rule 3745-17-07(A)	see b)(2)c. and b)(2)f.
d.	OAC rule 3745-17-11(B)	see b)(2)g.
e.	OAC rule 3745-21-07(G)	see b)(2)i. and c)(1)
f.	OAC rule 3745-18-06(E)	see b)(2)h.
g.	40 CFR Part 60, Subpart UU	see b)(2)c. through b)(2)e.
h.	ORC 3704.03(F) OAC rule 3745-114-01	See d)(6)
i.	OAC rule 3745-31-05(A)(3) as effective 12/01/06	See b)(2)k.

(2) Additional Terms and Conditions

a. Emissions unit P101 is a complex asphalt shingle manufacturing operation consisting of numerous pieces of equipment, several control devices, and multiple egress points (i.e. stacks). Twenty-one specific pieces of equipment from the line have been identified as operations that emit air contaminants. Seventeen of the twenty-one pieces of equipment are directed to one of five separate control devices. The five control devices (identified by the designation CDxx) utilized by the manufacturing line are a "CVM coalescing filter/mist eliminator (CD01); a "Flat-Bed HEAF" (CD03); and three separate baghouses (CD04, CD05 and CD06). Controlled and uncontrolled emissions are emitted from the manufacturing line by way of ten egress points.

The following table is presented for purposes of identifying the specific manufacturing equipment involved along with the control equipment and egress points utilized by each piece of equipment. The intent of this term and condition including the table is to present information which will provide a basis for the content of the remaining terms and conditions involving the manufacturing line.

Equipment Description	CertainTeed Identification (ID)		
	Equipment ID	Egress Point ID	Control Equipment ID
Line #1 Coater	EQ102	EP01/EP02	CD01
Line #1 Surfacing – Blender Section	EQ105A		
Line #1 Sealant Applicator	EQ112		
Line #1 Overlay Conc. Mixer	EQ158		
Line #1 Overlay Mixer	EQ159		
Line #1 Plasticizer Pre-Heat Tank	T100-I		
Saturant Storage Tank	T105		
Line #1 Overlay Asphalt Storage Tank	T106		
Line #1 Sealant Day Tank	T107		
Line #1 Sealant Use Tank	T108		
*Line #2 Surfacing – Blender Section	EQ117A		

*Line #2 Laminant/Sealant Concentrate Mixer	EQ156		
*Line #2 Modified Sealant Mixer	EQ 157		
*Line #2 Coater	EQ 178		
Line #1 Horizontal Mixer	EQ 103	EP03	CD03
Line #1 Vertical Mixer	EQ104		
*Line #2 Horizontal Mixer	EQ115		
*Line #2 Vertical Mixer	EQ116		
Line #1 Backing Application	EQ105B	EP04	CD04
Line #1 Backing Reclaim System	EQ107		
Line #1 Granule Shelby	EQ108		
Line #1 Backing Use Bin	EQ106	EP04 (for belt conveying)	CD04 (for belt conveying)
		EP36 (for pneumatic conveying)	CD05 (for pneumatic conveying)
*Line #2 Surfacing - Backing Application	EQ117B	EP08	CD06
*Line #2 Shelby	EQ119		
*Line #2 Granule Granule Use Bin	EQ120		
*Line #2 Reclaim System Elevator	EQ121		
*Line #2 Headlap Belt	EQ148		
Line #1 Headlap Belt No.1	EQ149		
Line #1 Headlap Belt No.2	EQ150		
*Line #2 Granule Belt No.1	EQ153		
*Line #2 Granule Belt No.2	EQ154		
Line #1 Cooling Section	EQ110	EP05/EP06/EP07	Uncontrolled
Line #1 Tempering Section	EQ163	EP34	Uncontrolled
Line #1 Overlay Applicator	EQ111	EP38	Uncontrolled

*The CVM coalescing filter/mist eliminator (CD01), Flat-Bed HEAF (CD03) and baghouse CD06 are also used to control emissions from the identified equipment for Asphalt Shingle Process Line #2 (emissions unit P102).

b. Best Available Technology (BAT) control requirements for this emissions unit has been determined to be the following:

i. compliance with 40 CFR Part 60, Subpart UU;

ii. compliance with OAC rule 3745-31-05(D);

iii. compliance with the terms and conditions of this permit; and

iv. use of the following air pollution control equipment and compliance with associated emission limitations:

(a) a CVM coalescing filter/mist eliminator (CD01) resulting in emissions of particulate matter 10 microns or less in diameter (PM10) discharged which does not exceed 0.068 lb/ton of coating asphalt used for the following equipment in emission units P101 and P102 (CD01 is also used to control emissions unit T105):

CertainTeed ID for Source Equipment	Source Equipment
EQ102	Line #1 Coater
EQ105A	Line #1 Surfacing - Blender Section
EQ112	Line #1 Sealant Applicator
EQ158	Overlay Concentrate Mixer
EQ159	Overlay Mixer
T100-I	Plasticizer pre-heat tank
T105	Saturant Asphalt Storage Tank
T106	Overlay Asphalt Storage Tank
T107	Line #1 Sealant Day Tank
T108	Line #1 Sealant Use Tank
EQ117A	Line #2 Surfacing – Blender Section
EQ156	Line #2 Laminant/Sealant Concentrate Mixer
EQ157	Line #2 Modified Sealant Mixer
EQ178	Line #2 Coater

(b) a Flat-Bed HEAF (CD03) resulting in emissions discharged which do not exceed 0.0571 lb PM10/ton of coating asphalt used, for the following equipment in emissions unit P101 and P102:

CertainTeed ID for Source Equipment	Source Equipment
EQ103	Line #1 Horizontal Mixer
EQ104	Line #1 Vertical Mixer
EQ115	Line #2 Horizontal Mixer
EQ116	Line #2 Vertical Mixer

(c) a baghouse (CD04) resulting in emissions discharged which do not exceed 0.08965 lb PM10/ton of coating asphalt used, for the following equipment:

CertainTeed ID for Source Equipment	Source Equipment
EQ105B	Line #1 Surfacing - Backing Application
EQ106	Line #1 Backing Use Bin (during belt conveying of backing)
EQ107	Line #1 Backing Reclaim System
EQ108	Line #1 Granule Shelby

(d) baghouse (CD05) resulting in emissions discharged which do not exceed 0.015 grains PM10 per dscf for control of Line #1 Backing Use Bin (EQ106) when backing is pneumatically conveyed.

(e) a baghouse (CD06) resulting in emissions discharged which does not exceed 0.07468 lb PM10/ton of coating asphalt used for the following equipment in emissions units P101 and P102:

CertainTeed ID for Source Equipment	Source Equipment
EQ117B	Line #2 Surfacing - Backing Application
EQ119	Line #2 Shelby
EQ120	Line #2 Granule Use Bins
EQ121	Line #2 Reclaim System Elevator
EQ148	Line #2 Headlap Belt
EQ149	Line #1 Headlap Belt No.1
EQ150	Line #1 Headlap Belt No.2
EQ153	Line #2 Granule Belt No.1
EQ154	Line #Granule Belt No.2

v. The following table presents emission limitations for this emissions unit and are summarized as follows:

CertainTeed ID for Emission Point	OC lbs/hr	PM10* (lb/ton)	CO lbs/hr	SO2 lbs/hr
EP01/EP02**	8.33	0.068	6.81	1.13

CertainTeed ID for Emission Point	OC lbs/hr	PM10* (lb/ton)	CO lbs/hr	SO2 lbs/hr
EP03**	0.64	0.0571	0.57	0
EP04	0.75	0.08965	1.24	0.24
EP05/EP06/EP07	1.75	0.3396	1.04	0.20
EP08**	2.84	0.07468	0.68	0.13
EP34	0.40	0.08879	0	0
EP36	0	0.05143 (lb/hr)	0	0
EP38	0.23	0.755	0.20	0.03

*All emissions of particulate matter are considered to be PM10.
** Combined limit for P101, P102, and T105.
*** PM10 units for T105 are lbs/ton, saturant (or AC-20)

c. Visible particulate emissions (PE) from the stacks serving this emissions unit shall not exceed the following opacity requirements:

CertainTeed ID for Emission Point	Opacity Requirement	Regulatory Basis for Opacity Requirement
EP01/EP02	20% opacity when the coater is operating, otherwise 0% opacity	40 CFR Part 60.472(a) and (c)
EP03	0% opacity	OAC rule 3745-31-05(A)(3)
EP04	20% opacity, as a six-minute average, except as provided by rule	OAC rule 3745-17-07(A)
EP05/EP06/EP07	20% opacity, as a six-minute average, except as provided by rule	OAC rule 3745-17-07(A)
EP08	20% opacity, as a six-minute average, except as provided by rule	OAC rule 3745-17-07(A)
EP34	20% opacity, as a six-minute average, except as provided by rule	OAC rule 3745-17-07(A)
EP36	10% opacity	OAC rule 3745-17-07(A)
EP38	20% opacity, as a six-minute average, except as provided by rule	OAC rule 3745-31-05(A)(3)

d. New Source Performance Standards (NSPS), according to 40 CFR Part 60, Subpart UU, are applicable to the following equipment found within this emissions unit:

CertainTeed ID for Source Equipment	Source Equipment
EQ102	Line #1 coater
EQ178	Line #2 coater
T105	Saturant Asphalt Storage Tank
T106	Overlay asphalt storage tank
T107	Line #1 sealant day tank
T108	Line #1 sealant use tank

e. The emission limitation specified by this applicable rule for the Line #1 coater (0.08 lb particulate matter (PM)/ton asphalt shingle produced) is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3) for EP01/EP02 [see b)(2)b.v.].

f. The visible emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR Part 60.472(a) and (c) [see b)(2)c.].

g. The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

h. The potential to emit for SO2 from this emissions unit is less than the emission limitation established pursuant to this rule. The potential to emit for SO2 is 2.01 lbs per hour and is the cumulative total of the SO2 limitations contained in b)(2)b.v.

i. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)e., c)(1), d)(2), and e)(4).

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: none

j. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by 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 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then the requirements of OAC rule 3745-31-05(A)(3), as effective 11/30/01 for SO2 will no longer apply. The requirements of OAC rule 3745-31-05(A)(3), as effective 11/30/01 will continue to apply for all other pollutant emissions in this permit.

k. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3), as effective 12-01-06, do not apply to the SO2 emissions from this air contaminant source since the uncontrolled potential to emit for SO2 emissions is less than ten tons per year [see b)(2)h.]

c) Operational Restrictions

(1) The use of any photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the following information for emission units P101, P102 and T105:

a. coating asphalt usage in each emissions unit, in tons;

b. coating asphalt usage in emissions units P101 and P102, combined, in tons;

c. asphalt applied at the Overlay Applicator, in tons;

d. saturant asphalt usage, in tons;

e. plasticizer usage, in tons;

f. Line No. 2 paint usage, in gallons;

g. AC-20 Asphalt usage, in tons;

h. during the first 12 calendar months of operation, the cumulative coating asphalt usage in emissions units P101 and P102, combined, in tons;

i. beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the coating asphalt usage in emissions units P101 and P102 combined, in tons;

j. the calculated monthly emission rates for OC for emissions units P101, P102, and T105, combined, using the following equation:

OC emissions (tons) = (Throughput, in tons) x (company-supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.2239 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.769 lb/ton, saturant (or AC-20) asphalt	Tons, saturant (or AC-20) asphalt (T105)
	0.7404 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159 & T106)
	0.0068 lb/ton, plasticizer	Tons, plasticizer(T100-I)
EP03	0.01735 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
EP04	0.05011 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP05/EP06/EP07	0.1164 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.2155 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP34	0.02688 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP08	0.1313 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP10	0.1433 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP11	0.01991 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP37	0.3814 lb/gallon, paint	Gallons, paint use on Line No. 2

k. the calculated monthly emission rates for PM10 for emissions units P101, P102, and T105, combined, using the following equation:

PM10 emissions (tons) = (Throughput, in tons) x (company-supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.0533 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.00316 lb/ton, saturant (or AC-20) asphalt	Tons, saturant (or AC-20) asphalt (T105)
	0.003685 lb/ton, Overlay	Tons, Overlay asphalt

	asphalt	(EQ158, EQ159 & T106)
	0..000788 lb/ton, plasticizer	Tons, plasticizer (T100-I)
EP03	0.00571 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
EP04	0.08965 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP36	0.05143 lb/hr	Hours CD05 operated.
EP05/EP06/EP07	0.3396 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.755 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP34	0.08879 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP08	0.07468 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP09	0.05143 lb/hr	Hours CD07 operated.
EP10	0.4284 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP11	0.008579 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2

l. the calculated monthly emission rates of CO for emissions units P101, P102, and P105, combined, using the following equation:

CO emissions (tons) = (Throughput, in tons) x (company-supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.3718 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.0572 lb/ton, saturant (or AC-20) asphalt	Tons, saturant (or AC-20) asphalt (T105)
	0.00242 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159 & T106)
	0.000285 lb/ton, plasticizer	Tons, plasticizer (T100-I)
EP03	0.0311 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
EP04	0.0823 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP05/EP06/EP07	0.0689 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.184 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP08	0.0313 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP10	0.0689 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP11	0.01058 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2

m. the calculated monthly emission rate for SO2 for emissions units P101, P102, and P105, combined, using the following equation:

SO2 emissions (tons) = (Throughput, in tons) x (company-supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.0614 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.0111 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159)
EP04	0.0158 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP05/EP06/EP07	0.0132 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.00307 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP08	0.00601 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP10	0.0132 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2

(2) The permittee shall collect and record the following information each month for emissions unit P101:

a. the company identification for each coating asphalt material employed; and

b. documentation of whether or not each coating asphalt material employed is photochemically reactive material.

(3) The permittee shall properly install, operate and maintain equipment to continuously monitor the pressure drop, in inches of water, across the following particulate control devices during the operation of this emissions unit:

a. the CVM coalescing filter/mist eliminator (CD01);

b. the Flat-Bed HEAF (CD03);

c. the baghouse identified as CD04; and

d. the baghouse identified as CD05.

The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop in inches of water on a once per shift basis, for CD01, CD03, CD04, and CD05.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the

investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the static pressure drop immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The static pressure drop across the control devices shall be continuously maintained as follows, at all times while the emissions unit is in operation:

CD01: 2.0 - 12.0 inches of water

CD03: 24.0 - 32.0 inches of water

CD04: 0.5 - 7.0 inches of water

CD05: 0.5 - 7.0 inches of water

These ranges are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate District Office or local air agency. The permittee may request revisions to these ranges based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to these ranges will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.

(4) The permittee shall properly install, operate and maintain equipment to continuously monitor the inlet temperature to the filter elements, in degrees Fahrenheit, for the CVM coalescing filter (CD01), during the operation of this emissions unit. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the inlet temperature to the filter elements, in degrees Fahrenheit, on a once per shift basis, for CD01.

Whenever the monitored value for the inlet temperature to the filter elements exceeds the maximum temperature value specified below, the permittee shall promptly investigate the cause of the exceedance. The permittee shall maintain records of the following information for each investigation: the date and time the exceedance began and the magnitude of the exceedance at that time, the date(s) the investigation was

conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of an exceedance, the permittee shall take prompt corrective action to bring the operation of the control equipment below the maximum temperature value specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the exceedance ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the exceedance ended, the total period of time (in minutes) during which there was an exceedance, the temperature reading immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The inlet temperature to the filter elements shall be continuously maintained at or below the maximum temperature of 125 degrees Fahrenheit, at all times while the emissions unit is in operation.

(5) This maximum temperature is effective for the duration of this permit, unless a revision is requested by the permittee and approved in writing by the appropriate District Office or local air agency. The permittee may request a revision to this maximum temperature based upon information obtained during future organic compound emission tests that demonstrate compliance with the allowable organic compound emission rate for this emissions unit. In addition, an approved revision to this maximum temperature value will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.

(6) Modeling to demonstrate compliance with, the “Toxic Air Contaminant Statute”, ORC 3704.03(F)(4)(b), was not necessary because this permit action does not involve an increase in any toxic air contaminant, as defined in OAC rule 3745-114-01, greater than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified PTI 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 PTI.

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the CVM coalescing filter/mist eliminator (CD01), the Flat-Bed HEAF (CD03), or the baghouses (CD04 and CD05) was outside of the acceptable range;

b. an identification of each incident of deviation described in e)(2)a. where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(2)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(2)a. where proper records were not maintained for the investigation and/or the corrective action.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

(3) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the inlet temperature to the CVM coalescing filter/mist eliminator (CD01) was above the acceptable maximum;

b. an identification of each incident of deviation described in e)(3)a. where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(3)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(3)a. where proper records were not maintained for the investigation and/or the corrective action.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

(4) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing the use of photochemically reactive coating asphalt materials in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.

f) Testing Requirements

(1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 180 days after the issuance of this permit.

b. The emission testing shall be conducted to demonstrate compliance with the following emission limitations:

i. For OCs:

(a) 8.33 lbs OC/hr for EP01/EP02*;

(b) 0.64 lb OC/hr for EP03*;

(c) 0.75 lb OC/hr for EP04;

(d) 1.75 lbs OC/hr for EP05/EP06/EP07;

(e) 2.84 lbs OC/hr for EP08; and

(f) 0.40 lb OC/hr for EP34.

ii. For, PM10 :

(a) 0.068 lb PM10/ton of coating asphalt for EP01/EP02*;

(b) 0.0571 lb PM10/ton of coating asphalt for EP03*;

(c) 0.08965 lb PM10/ton of coating asphalt for EP04;

(d) 0.3396 lb PM10/ton of coating asphalt for EP05/EP06/EP07;

(e) 0.07468 lb PM10/ton of coating asphalt for EP08;

(f) 0.08879 lb PM10/ton of coating asphalt for EP34; and

(g) 0.05143 lb PM10/hr for EP36.

iii. 20% opacity when the coater is operating, otherwise 0% opacity, for the coalescing filter/mist eliminator (CD01).

* Combined limit for emissions units P101, P102, and T105 (i.e., P101 and P102 both must be operating simultaneously during the test).

c. The following test method(s) shall be employed to demonstrate compliance with the above emission limitations and verify emission factors:

i. Methods 1 - 4 of 40 CFR Part 60, Appendix A;

ii. for PM10 - Method 201/201A and 202 of 40 CFR Part 51, Appendix M;

iii. for OC - Method 18, 25 or 25A (as applicable) of CFR Part 60, Appendix A;

iv. to demonstrate compliance with the NSPS emission limitation of 0.08 lb PM/ton of asphalt shingle produced for the line #1 coater, the permittee will demonstrate compliance with the more stringent limitation of 0.0565 lb PM10/ton for EP01/EP02. Testing for the lb/ton limitation shall be done in accordance with 60.474 and 60.8 of 40 CFR Part 60 only PM is substituted with PM10; and

v. for compliance with the NSPS emissions limitation of 20% opacity when the coater is operating, otherwise 0% opacity, for the coalescing filter/mist eliminator (CD01), testing shall be done in accordance with Method 9 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the appropriate District Office or local air agency.

d. The tests shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the appropriate District Office or local air agency's refusal to accept the results of the emissions tests.

e. Personnel from the appropriate District Office or local air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.

(2) Compliance with the emission limitation(s) in section b)(2) of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. <u>Emission Limitations:</u>

CertainTeed ID Emission Point	OC lbs/hr	OC TPY	PM10* lb/ton	PM10* TPY
EP01/EP02**	8.33	22.47	0.0680	5.33
EP03***	0.64	1.74	0.0571	0.33
EP04	0.75	3.02	0.08965	5.41

CertainTeed ID Emission Point	OC lbs/hr	OC TPY	PM10* lb/ton	PM10* TPY
EP05/EP06/EP07	1.75	7.02	0.3396	20.48
EP08**	2.84	10.30	0.07468	5.86
EP34	0.40	1.62	0.08879	5.36
EP36	0	0	0.05143 (lb/hr)	0.23
EP38	0.23	0.16	0.755	0.57

*All emissions of particulate matter are assumed to be PM10.
** Combined limit for P101, P102, and T105.
***Combined limit for P101 and P102.

Applicable Compliance Methods:

Emissions from EP38 represent emissions from plant operations that are emitted to the inside of the facility building and ultimately emitted through building egress points (i.e. building windows, doors, roof monitors, etc.). The short term emission limitations for EP38 are emission levels based on potential to emit calculations derived from stack testing results of a similar operation. Since the emission limitations for EP38 represent the potentials to emit, no monitoring, record keeping, or reporting requirements are necessary to demonstrate compliance with the emission limitations. Compliance with all other short-term limitations shall be demonstrated through stack testing as required in f)(1).

The ton/year limitations were established by multiplying the maximum process throughput per year with the company-supplied emission factors and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the short term limitations, compliance with the annual emission limitations shall also be demonstrated.

b. Emission Limitations:

CertainTeed ID Emission Point	CO lbs/hr	CO TPY
EP01/EP02	6.81	25.74
EP03	0.57	2.16
EP04	1.24	4.96
EP05/EP06/EP07	1.04	4.16
EP08	0.68	2.46
EP38	0.20	0.14

Applicable Compliance Methods:

For EP04 and EP05/EP06/EP07, the permittee may demonstrate compliance with the lb/hr limitation for CO by multiplying a maximum asphalt coating usage rate of 15.06 tons/hr by the company-supplied emission factors in units of lbs/ton coating asphalt used, specific to individual components of the line. For EP01/EP02 and EP03, use a maximum coating rate of 36.716 tons/hr. For EP08, use a maximum coating rate of 21.65 tons/hr and for EP38 use a maximum asphalt rate of 1.072 tons/hr. If required, compliance shall be demonstrated by testing for CO using Method 10 of CFR Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the appropriate District Office or local air agency.

Except for EP38, the ton/year limitations were established by multiplying the tons of coating asphalt usage per year with the CO emissions factor and applying a conversion factor of 1 ton/2000 lbs. For EP38, the ton/year limitation was established by multiplying the tons of asphalt applied at the Overlay Applicator per year with the CO emission factor and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the short term limitations, compliance with the annual emission limitations shall also be demonstrated.

c. Emission Limitations:

CertainTeed ID Emission Point	SO2 lbs/hr	SO2 TPY
EP01/EP02	1.13	4.26
EP04	0.24	0.95
EP05/EP06/EP07	0.20	0.80
EP08	0.13	0.47
EP38	0.03	0.02

Applicable Compliance Methods:

For EP04 and EP05/EP06/EP07, the permittee may demonstrate compliance with the lb/hr limitations for SO2 by multiplying a maximum coating asphalt usage rate of 15.06 tons/hr by the company-supplied emission factors in units of lbs/ton coating asphalt used, specific to individual components of the line. For EP01/EP02, use a maximum coating rate of 36.716 tons/hr and for EP38, use a maximum asphalt rate of 1.072 tons/hr. For EP08, use a maximum coating asphalt rate of 21.65 tons/hr. If required, compliance shall be demonstrated by testing for SO2 using Method 6 of CFR Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the appropriate District Office or local air agency.

Except for EP38, the ton/year limitations were established by multiplying the tons of asphalt usage per year with the SO2 emissions factor and applying a

conversion factor of 1 ton/2000 lbs. For EP38, the ton/year limitation was established by multiplying the tons of asphalt applied at the Overlay Applicator per year with the SO2 emission factor and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the short term limitations compliance with the annual emission limitations shall also be demonstrated.

d. Emission Limitation:

CertainTeed ID for Emission Point	Opacity Requirement
EP01	20% opacity when the coater is operating, otherwise 0% opacity
EP02	20% opacity when the coater is operating, otherwise 0% opacity

Applicable Compliance Method:
Compliance with the limits established by 40 CFR Part 60.472(a) and (c) shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A.

e. Emission Limitation:

CertainTeed ID for Emission Point	Opacity Requirement
EP03	0% opacity
EP04	20% opacity, as a six-minute average, except as provided by rule
EP05/EP06/EP07	20% opacity, as a six-minute average, except as provided by rule
EP08	20% opacity, as a six-minute average, except as provided by rule
EP34	20% opacity, as a six-minute average, except as provided by rule
EP36	10% opacity
EP38	20% opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance with the limits established by OAC rule 3745-31-05(A)(3) and OAC rule 3745-17-07(A) shall be demonstrated in accordance with OAC rule 3745-17-03(B).

f. Emission Limitations:

Federally enforceable emission limitations for P101, P102, T101, T102, T103, T104, and T105, combined:

i. 142.17 tons OC/rolling, 12-month period;

ii. 59.88 tons emissions of particulate matter 10 microns or less in size PM10/rolling, 12-month period;

iii. 37.49 tons CO/rolling, 12-month period; and

iv. 5.20 tons SO2/rolling, 12-month period;

Applicable Compliance Method:

Compliance shall be demonstrated by the monitoring and record keeping requirements in Section B.2.f.

g) Miscellaneous Requirements

(1) None.

2. P102, Line No. 2 Process Units

Operations, Property and/or Equipment Description:

Asphalt shingle manufacturing process line (line no.2). Modification of PTI 03-16251, issued December 16, 2004, to re-permit asphalt shingle manufacturing operations as a processing line and also to establish combined limits for emissions units P101, P102, and T105 to restrict potential emissions below PSD major source applicability levels.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b)(1)h. and d)(6).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Control measures – see b)(2)b.iv.(a) through b)(2)b.iv.(e) Short-term emission limitations – see b)(2)b.v. Visible emission restrictions – see b)(2)c. See b)(2)a.
b.	OAC rule 3745-31-05(D)	Federally enforceable emission limitations for P101, P102, T101, T102, T103, T104, and T105, combined: 142.17 tons organic compounds (OC)/rolling, 12-month period; 59.88 tons emissions of particulate matter 10 microns or less in size (PM10)/rolling, 12-month period; 37.49 tons carbon monoxide (CO)/rolling, 12-month period; and 5.20 tons sulfur dioxide (SO2)/rolling, 12-month period; See Section B.2

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-07(A)	see b)(2)c. and b)(2)f.
d.	OAC rule 3745-17-11(B)	see b)(2)g.
e.	OAC rule 3745-21-07(G)	see b)(2)i. and c)(1)
f.	OAC rule 3745-18-06(E)	see b)(2)h.
g.	40 CFR Part 60, Subpart UU	see b)(2)c. through b)(2)e.
h.	ORC 3704.03(F) OAC rule 3745-114-01	See d)(6)

(2) Additional Terms and Conditions

a. Emissions unit P102 is a complex asphalt shingle manufacturing operation consisting of numerous pieces of equipment, several control devices, and multiple egress points (i.e. stacks). Twenty-four specific pieces of equipment from the line have been identified as operations that emit air contaminants. Twenty-two of the twenty-four pieces of equipment are directed to one of five separate control devices. The five control devices (identified by the designation CDxx) utilized by the manufacturing line are a "CVM coalescing filter/mist eliminator (CD01); a "Flat-Bed HEAF" (CD03); a "Mini-HEAF" (CD08) and two separate baghouses (CD06 and CD07). Controlled and uncontrolled emissions are emitted from the manufacturing line by way of eight egress points.

The following table is presented for purposes of identifying the specific manufacturing equipment involved along with the control equipment and egress points utilized by each piece of equipment. The intent of this term and condition including the table is to present information which will provide a basis for the content of the remaining terms and conditions involving the manufacturing line.

Equipment Description	CertainTeed Identification (ID)		
	Equipment ID	Egress Point ID	Control Equipment ID
*Line #1 Coater	EQ102	EP01/EP02	CD01
*Line #1 Surfacing – Blender Section	EQ105A		
*Line #1 Sealant Applicator	EQ112		
*Line #1 Overlay Conc. Mixer	EQ158		
*Line #1 Overlay Mixer	EQ159		
*Line #1 Plasticizer Pre-Heat Tank	T100-I		
Saturant Storage Tank	T105		
*Line #1 Overlay Asphalt Storage Tank	T106		
*Line #1 Sealant Day Tank	T107		
*Line #1 Sealant Use Tank	T108		
Line #2 Surfacing – Blender Section	EQ117A		
Line #2 Laminant/Sealant Concentrate Mixer	EQ156		
Line #2 Modified Sealant Mixer	EQ 157		
Coater	EQ 178		
*Line #1 Horizontal Mixer	EQ 103	EP03	CD03
*Line #1 Vertical Mixer	EQ104		

Line #2 Horizontal Mixer	EQ115		
Line #2 Vertical Mixer	EQ116		
Line #2 Surfacing – Backing Application	EQ117B	EP08	CD06
Line #2 Shelby	EQ119		
Line #2 Granule Granule Use Bin	EQ120		
Line #2 Reclaim System Elevator	EQ121		
Line #2 Headlap Belt	EQ148		
*Line #1 Headlap Belt No.1	EQ149		
*Line #1 Headlap Belt No.2	EQ150		
Line #2 Granule Belt No.1	EQ153		
Line #2 Granule Belt No.2	EQ154		
Line #2 Backing Use Bin	EQ118	EP09	CD07
Line #2 Sealant Applicator	EQ179	EP11	CD08
Line #2 Upper Laminant Applicator A	EQ125		
Line #2 Upper Laminant Applicator B	EQ126		
Line #2 Lower Laminant Applicator	EQ127		
Line #2 Sealant Use Tank	T110		
Line #2 Sealant Day Tank	T109		
Line #2 Laminant Day Tank	T111		
Line #2 Laminant Use Tank	T112		
Line #2 Cooling Section	EQ122	EP10	Uncontrolled
Line #2 Nail Line Paint Applicator	EQ124	EP37	Uncontrolled

*The CVM coalescing filter/mist eliminator (CD01), Flat-Bed HEAF (CD03) and Baghouse (CD06) are also used to control emissions from the identified equipment for Asphalt Shingle Process Line #1 (emissions unit P101).

b. Best Available Technology (BAT) control requirements for this emissions unit has been determined to be the following:

i. compliance with 40 CFR Part 60, Subpart UU;

ii. compliance with OAC rule 3745-31-05(D);

iii. compliance with the terms and conditions of this permit; and

iv. use of the following air pollution control equipment: and compliance with the associated emissions limitations:

(a) a CVM coalescing filter/mist eliminator (CD01) resulting in emissions of particulate matter 10 microns or less in diameter (PM10) discharged which does not exceed 0.068 lb/ton of coating asphalt used for the following equipment in emission units P101 and P102 (CD01 is also used to control emissions unit T105):

CertainTeed ID for Source Equipment	**Source Equipment**
EQ117A	Line #2 Surfacing – Blender Section

CertainTeed ID for Source Equipment	Source Equipment
EQ156	Laminant/Sealant Concentrate Mixer
EQ157	Modified Sealant Mixer
EQ178	Line #2 Coater
EQ102	Line #1 Coater
EQ105A	Line #1 Surfacing - Blender Section
EQ112	Line #1 Sealant Applicator
EQ158	Overlay Concentrate Mixer
EQ159	Overlay Mixer
T100-I	Plasticizer pre-heat tank
T105	Saturant Asphalt Storage Tank
T106	Overlay Asphalt Storage Tank
T107	Line #1 Sealant Day Tank
T108	Line #1 Sealant Use Tank

(b) a Flat-Bed HEAF (CD03) resulting in emissions discharged which does not exceed 0.0571 lb PM10/ton of coating asphalt used, for the following equipment:

CertainTeed ID for Source Equipment	Source Equipment
EQ115	Line #2 Horizontal Mixer
EQ116	Line #2 Vertical Mixer
EQ103	Line #1 Horizontal Mixer
EQ104	Line #1 Vertical Mixer

(c) a baghouse (CD06) resulting in emissions discharged which does not exceed 0.07468 lb PM10/ton of coating asphalt used for the following equipment:

CertainTeed ID for Source Equipment	Source Equipment
EQ117B	Line #2 Surfacing - Backing Application

CertainTeed ID for Source Equipment	Source Equipment
EQ119	Line #2 Shelby
EQ120	Line #2 Granule Use Bins
EQ121	Line #2 Reclaim System Elevator
EQ148	Line #2 Headlap Belt
EQ149	Line #1 Headlap Belt No.1
EQ150	Line #1 Headlap Belt No.2
EQ153	Line #2 Granule Belt No.1
EQ154	Line #Granule Belt No.2

(d) a baghouse (CD07) resulting in emissions discharged which does not exceed 0.015 grains PM10/dscf used for the following equipment:

CertainTeed ID for Source Equipment	Source Equipment
EQ118	Line #2 Backing Use Bin

(e) Mini-HEAF (CD08) resulting in emissions discharged which does not exceed 0.008579 lb PM10/ton of coating asphalt used for the following equipment:

CertainTeed ID for Source Equipment	Source Equipment
EQ179	Line #2 Sealant Applicator
EQ125	Line #2 Upper Laminant Applicator A
EQ126	Line #2 Upper Laminant Applicator B
EQ127	Line #2 Lower Laminant Applicator Double-Wide
T110	Line #2 Sealant Use Tank
T109	Line #2 Sealant Day Tank
T111	Line #2 Laminator Day Tank
T112	Line #2 Laminator Use Tank

v. This table lists emissions limitations for each egress point:

CertainTeed ID for Emission Point	OC lbs/hr	PM10* lb/ton	CO lbs/hr	SO2 lbs/hr
EP01/EP02**	8.22**	0.068	6.81	1.13
EP03**	0.64**	0.0571**	0.57	0
EP08**	2.84	0.07468	0.68	0.13
EP09	0	0.05143 (lb/hr)	0	0
EP10	3.10	0.4284	1.49	0.29
EP11	0.43	0.00858	0.10	0

*All emissions of particulate matter are considered to be PM10.
** Combined limit for P101,P102, and T105.

c. Visible PE from the stacks serving this emissions unit shall not exceed the following opacity requirements:

CertainTeed ID for Emission Point	Opacity Requirement	Regulatory Basis for Opacity Requirement
EP01	20% opacity when the coater is operating, otherwise 0% opacity	40 CFR Part 60.472(a) and (c)
EP02	20% opacity when the coater is operating, otherwise 0% opacity	40 CFR Part 60.472(a) and (c)
EP03	0% opacity	OAC rule 3745-31-05(A)(3)
EP08	20% opacity, as a six-minute average, except as provided by rule	OAC rule 3745-17-07(A)
EP09	0% opacity	OAC rule 3745-31-05(A)(3)
EP10	20% opacity, as a six-minute average, except as provided by rule	OAC rule 3745-17-07(A)
EP11	0% opacity	OAC rule 3745-31-05(A)(3)

d. New Source Performance Standards (NSPS), according to 40 CFR Part 60, Subpart UU, are applicable to the following equipment found within this emissions unit:

CertainTeed ID for Source Equipment	Source Equipment
EQ178	Line #2 coater
EQ102	Line #1 coater
T105	Saturant Asphalt Storage Tank
T106	Overlay Asphalt Storage Tank
T107	Line #1 Sealant Day Tank
T108	Line #1 Sealant Use Tank
T110	Line #2 sealant use tank
T109	Line #2 sealant day tank
T111	Line #2 laminator day tank
T112	Line #2 laminator use tank

e. The emissions limitation specified by this applicable rule for the Line #2 coater (0.08 lb particulate matter (PM)/ton of asphalt shingle produced) is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3) for EP01/EP02 [see b)(2)b.v.].

f. The visible emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR Part 60.472(a) and (c) [see b)(2)c.].

g. The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

h. The potential to emit for emissions of SO2 from this emissions unit is less than the emission limitation pursuant to this rule. The potential to emit for SO2 is 1.55 lbs per hour and is the cumulative total of the SO2 limitations contained in b)(2)b.v.

i. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)e. c)(1), d)(2), and e)(4).

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-

07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: none.

c) Operational Restrictions

(1) The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the following information for emission units P101, P102, and T105:

a. coating asphalt usage in each emissions unit, in tons;

b. coating asphalt usage in emissions units P101 and P102 combined;

c. asphalt applied at the Overlay Applicator;

d. saturant asphalt use;

e. plasticizer use;

f. Line No. 2 paint use in gallons;

g. AC-20 Asphalt use;

h. during the first 12 calendar months of operation, the cumulative coating asphalt usage in emissions units P101 and P102 combined, in tons;

i. beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the coating asphalt usage in emissions units P101 and P102 combined, in tons;

j. the calculated monthly emission rate for OC for P101, P102, and T105 combined using the following equation:

OC emissions in tons = (Throughput) x (company supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.2239 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.769 lb/ton, saturant (or AC-20) asphalt	Tons, saturant (or AC-20) asphalt (T105)
	0.7404 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159 & T106)
	0.0068 lb/ton, plasticizer	Tons, plasticizer(T100-I)
EP03	0.01735 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
EP04	0.05011 lb/ton, coating	Tons, coating asphalt for

	asphalt	Line No. 1
EP05/EP06/EP07	0.1164 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.2155 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP34	0.02688 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP08	0.1313 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP10	0.1433 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP11	0.01991 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP37	0.3814 lb/gallon, paint	Gallons, paint use on Line No. 2

k. the calculated monthly emission rate for PM10 for P101, P102, and T105 combined using the following equation:

PM10 emissions in tons = (Throughput) x (company supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.0533 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.00316 lb/ton, saturant (or AC-20) asphalt	Tons, saturant (or AC-20) asphalt (T105)
	0.003685 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159 & T106)
	0..000788 lb/ton, plasticizer	Tons, plasticizer (T100-I)
EP03	0.0571 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
EP04	0.08965 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP36	0.05143 lb/hr	Hours CD05 operated.
EP05/EP06/EP07	0.3396 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.755 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP34	0.08879 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP08	0.07468 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP09	0.05143 lb/hr	Hours CD07 operated.
EP10	0.4284 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP11	0.008579 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2

l. the calculated monthly emission rate of CO for P101, P102, and P105 combined using the following equation:

CO emissions in tons = (Throughput) x (company supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.3718 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.0572 lb/ton, saturant (or AC-20) asphalt	Tons, saturant (or AC-20) asphalt (T105)
	0.00242 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159 & T106)
	0.000285 lb/ton, plasticizer	Tons, plasticizer (T100-I)
EP03	0.0311 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
EP04	0.0823 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP05/EP06/EP07	0.0689 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.184 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP08	0.0313 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP10	0.0689 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP11	0.01058 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2

m. the calculated monthly emission of SO2 for P101, P102, and P105 combined using the following equation:

SO2 emissions in tons = (Throughput) x (company supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.0614 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.0111 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159)
EP04	0.0158 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP05/EP06/EP07	0.0132 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.00307 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP08	0.00601 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP10	0.0132 lb/ton, coating asphalt	Tons, coating asphalt for

		Line No. 2

(2) The permittee shall collect and record the following information each month for emissions unit P102:

a. the company identification for each coating asphalt material employed; and

b. documentation of whether or not each coating asphalt material employed is photochemically reactive material.

(3) The permittee shall properly install, operate and maintain equipment to continuously monitor the pressure drop in inches of water across the following particulate control devices, during the operation of this emissions unit:

a. CVM coalescing filter (CD01);

b. the Flat-Bed HEAF (CD03);

c. a baghouse (CD06);

d. a baghouse (CD07); and,

e. a Mini-HEAF (CD08).

The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop in inches of water on a once per shift basis, for CD01, CD03, CD06, CD07 and CD08.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the static pressure drop immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The static pressure drop across the control devices shall be continuously maintained as follows, at all times while the emissions unit is in operation:

CD01: 2.0 - 12.0 inches of water

CD03: 24.0 - 32.0 inches of water

CD06: 0.5 - 7.0 inches of water

CD07: 0.5 - 7.0 inches of water

CD08: 6.0 - 35.0 inches of water (Mini-HEAF)

These ranges are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate District Office or local air agency. The permittee may request revisions to these ranges based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to these ranges will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.

(4) The permittee shall properly install, operate and maintain equipment to continuously monitor the inlet temperature to the filter elements, in degrees Fahrenheit, for the CVM coalescing filter (CD01), during the operation of this emissions unit. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the inlet temperature to the filter elements, in degrees Fahrenheit, on a once per shift basis, for CD01.

Whenever the monitored value for the inlet temperature to the filter elements exceeds the maximum temperature value specified below, the permittee shall promptly investigate the cause of the exceedance. The permittee shall maintain records of the following information for each investigation: the date and time the exceedance began and the magnitude of the exceedance at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of an exceedance, the permittee shall take prompt corrective action to bring the operation of the control equipment below the maximum temperature value specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the exceedance ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the exceedance ended, the total period of time (in minutes) during which there was an exceedance, the temperature reading immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The inlet temperature to the filter elements shall be continuously maintained at or below the maximum temperature of 125 degrees Fahrenheit, at all times while the emissions unit is in operation.

(5) This maximum temperature is effective for the duration of this permit, unless a revision is requested by the permittee and approved in writing by the appropriate District Office or local air agency. The permittee may request a revision to this maximum temperature based upon information obtained during future organic compound emission tests that demonstrate compliance with the allowable organic compound emission rate for this emissions unit. In addition, an approved revision to this maximum temperature value will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.

(6) Modeling to demonstrate compliance with, the “Toxic Air Contaminant Statute”, ORC 3704.03(F)(4)(b), was not necessary because this permit action does not involve an increase in any toxic air contaminant, as defined in OAC rule 3745-114-01, greater than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified PTI 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 PTI.

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the CVM coalescing filter (CD01), the Flat-Bed HEAF (CD03), the baghouses (CD06 and CD07) or the Mini-HEAF (CD08) was outside of the acceptable range;

b. an identification of each incident of deviation described in e)(2)a. where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(2)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(2)a. where proper records were not maintained for the investigation and/or the corrective action.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

(3) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the inlet temperature to the CVM coalescing filters (CD01 and CD02), was above the acceptable maximum;

b. an identification of each incident of deviation described in e)(2)a. where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(2)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(2)a. where proper records were not maintained for the investigation and/or the corrective action.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

(4) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing the use of photochemically reactive coating asphalt materials in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.

f) Testing Requirements

(1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emissions testing shall be conducted within 180 days after the issuance of this permit.

b. The emission testing shall be conducted to demonstrate compliance with the following limits:

i. the OC mass emission limitations of:

(a) 8.33 lbs OC/hr for EP01/EP02*;

(b) 0.64 lb OC/hr for EP03*;

(c) 2.84 lbs OC/hr for EP08;

(d) 3.10 lbs OC/hr for EP10;

(e) 0.43 lb OC/hr for EP11; and

(f) 2.32 lbs OC/hr for EP37.

ii. the PM10 mass emission limitations of:

(a) 0.068 lb* PM10/ton of coating asphalt for EP01/EP02*;

(b) 0.0571 lb PM10/hour for EP03*;

(c) 1.62 lbs PM10/ton of coating asphalt for EP08;

(d) 0.05143 lb PM10/hour for EP09;

(e) 0.4284 lb PM10/ton of coating asphalt for EP10; and

(f) 0.00858 lb PM10/ton of coating asphalt for EP11.

iii. 20% opacity when the coater is operating, otherwise 0% opacity, for the coalescing filter/mist eliminator (CD01).

* Combined limit for emissions units P101, P102, and T105 (i.e., P101 and P102 both must be operating simultaneously during the test).

c. The following test method(s) shall be employed to demonstrate compliance with the above emission limitations and verify emission factors:

i. Methods 1 - 4 of 40 CFR Part 60, Appendix A;

ii. for PM10 - Method 201/201A and 202 of 40 CFR Part 51, Appendix M;

iii. for OC - Method 18, 25, or 25A (as applicable) of CFR Part 60, Appendix A;

iv. to demonstrate compliance with the NSPS emission limitation of 0.08 lbs PM/ton of asphalt shingle produced for the line #2 coater, the permittee will demonstrate compliance with the more stringent limitation of 0.0565 lbs PM10/ton for EP01/EP02. Testing for the lb/ton limitation shall be done in accordance with 60.474 and 60.8 of 40 CFR Part 60 only PM is substituted with PM10; and

v. for compliance with the NSPS emissions limitation of 20% opacity when the coater is operating, otherwise 0% opacity, for the coalescing filter/mist eliminator (CD01), testing shall be done in accordance with Method 9 of 40 CFR Part 60, Appendix A.

vi. for compliance with the 2.32 lbs OC/hr for EP37, the permittee shall record paint usage, in gallons, during compliance testing of P102. The gallon usage rate shall be multiplied by the OC content of the paint used in lbs/gallon.

Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

(2) Compliance with the emission limitation(s) in section b)(2) of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitations:

CertainTeed ID Emission Point	OC lbs/hr	OC TPY	PM10* lb/ton	PM10* TPY
EP01/EP02**	8.33	22.47	0.0533	8.33
EP01/EP02 (T105)***			0.00316	
EP03**	0.64	1.74	0.0571	0.33
EP08	2.84	10.30	0.07468	5.86
EP09	0	0	0.05143 (lb/hr)	0.21
EP10	3.10	11.25	0.4284	33.63
EP11	0.43	1.56	0.00858	0.67
EP37	2.32	10.16		

*All emissions of particulate matter are assumed to be PM10.
** Combined limit for P101 and P102.
*** PM10 units for T105 are lbs/ton, saturant (or AC-20)

Applicable Compliance Methods:

Compliance with all short-term limitations shall be demonstrated through stack testing as required in f)(1).

The ton/year limitations were established by multiplying the maximum process throughputs per year with the company supplied emission factor and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the short term limitations compliance with the annual emission limitations shall also be demonstrated.

b. Emission Limitation:

CertainTeed ID Emission Point	CO lbs/hr	CO TPY
EP01/EP02	6.81	25.74
EP03	0.57	2.16
EP08	0.68	2.46
EP09	0	0
EP10	1.49	5.41

CertainTeed ID Emission Point	CO lbs/hr	CO TPY
EP11	0.10	0.35

Applicable Compliance Methods:

For EP08, EP10 and EP11, the permittee shall demonstrate compliance with the lb/hr limitation for CO by multiplying a maximum coating asphalt usage rate of 21.65 tons/hr by the company supplied emission factors in units of lbs/ton coating asphalt used, specific to individual components of the line. For EP01/EP02 and EP03 use the maximum coating asphalt rate of 36.716 tons/hr

If required, compliance shall be demonstrated by testing for CO using Method 10 of CFR Part 60, Appendix A.

The ton/year limitations were established by multiplying the maximum tons of coating asphalt usage per year with the CO emissions factor and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the monitoring and record keeping requirements, compliance with the limitations shall also be demonstrated.

c. Emission Limitation:

CertainTeed ID Emission Point	SO2 lbs/hr	SO2 TPY
EP01/EP02	1.13	4.26
EP03	0	0
EP08	0.13	0.47
EP09	0	0
EP10	0.29	1.04
EP11	0	0

Applicable Compliance Methods:

For EP08, EP10 and EP11, the permittee shall demonstrate compliance with the lb/hr limitation for SO2 by multiplying a maximum coating asphalt usage rate of 21.65 tons/hr by the company supplied emission factors in units of lbs/ton of coating asphalt used, specific to individual components of the line. For EP01/EP02 and EP03, use the maximum coating asphalt rate of 36.716 tons/hr

If required, compliance shall be demonstrated by testing for SO2 using Method 6 of CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

The ton/year limitations were established by multiplying the tons of asphalt usage per year with the SO2 emissions factor and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the short term limitations compliance with the annual emission limitations shall also be demonstrated.

d. Emission Limitation:

CertainTeed ID for Emission Point	Opacity Requirement
EP01/EP02	20% opacity when the coater is operating, otherwise 0% opacity

Applicable Compliance Method:

Compliance with the limits established by 40 CFR Part 60.472(a) and (c) shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A.

e. Emission Limitation:

CertainTeed ID for Emission Point	Opacity Requirement
EP03	0% opacity
EP09	0% opacity
EP11	0% opacity

Applicable Compliance Method:

If required, compliance with the limits shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A.

f. Emission Limitation:

CertainTeed ID for Emission Point	Opacity Requirement
EP08	20% opacity, as a six-minute average, except as provided by rule
EP10	20% opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance with the limits established by OAC rule 3745-31-05(A)(3) and OAC rule 3745-17-07(A) shall be demonstrated in accordance with OAC rule 3745-17-03(B).

g) Miscellaneous Requirements

(1) None.

3. P103, Offline Laminator

Operations, Property and/or Equipment Description:

Off-line laminating system

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b)(1)e. and d)(3).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	0.11 lb organic compounds (OC)/hour; 0.47 ton OC/year; 0.01 lb particulate matter 10 microns or less in size (PM10)/hour; 0.02 ton PM10/yr; 0.01 lb carbon monoxide (CO)/hour; 0.05 ton CO/year See b)(2)a. through b)(2)c.
b.	OAC rule 3745-17-07(A)	See b)(2)d.
c.	OAC rule 3745-17-11(B)	See b)(2)d.
d.	OAC rule 3745-21-07(G)	See b)(2)e. and c)(1)
e.	ORC 3704.03(F) OAC rule 3745-114-01	See d)(3)

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) control requirements for this emissions unit has been determined to be compliance with the terms and conditions of this permit and use of the following particulate control equipment:

i. a Mini-HEAF (CD09) resulting in emissions discharged which does not exceed 0.002136 lbs PM10/ton of coating asphalt used, for the following equipment:

CertainTeed ID for Source Equipment	**Source Equipment**

CertainTeed ID for Source Equipment	Source Equipment
EQ128	Off-Line Laminator Sealant Applicator
EQ129	Off-Line Laminator Laminant Applicator
EQ130	Off-Line Laminator Laminant Melt Pot

b. Emissions limitations for this emissions unit are summarized as follows:

CertainTeed ID for Emission Point	OC lb/hr	PM10* lb/ton	CO lb/hr
EP12	0.11	0.002136	0.01

*All particulate emissions (PE) are considered to be PM10.

c. Visible PE from the stacks serving this emissions unit shall not exceed the following opacity requirements:

CertainTeed ID for Emission Point	Opacity Requirement	Regulatory Basis for Opacity Requirement
EP12	0% opacity	OAC rule 3745-31-05(A)(3)

d. The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

e. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)d. c)(1), d)(2), and e)(2).

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: none.

c) Operational Restrictions

(1) The use of any photochemically reactive material, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly install, operate and maintain equipment to continuously monitor the pressure drop in inches of water across the Mini-HEAF (CD09) during the operation of this emissions unit.

The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop in inches of water on a once per shift basis for CD09.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the static pressure drop immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The static pressure drop across the Mini-HEAF (CD09) shall be continuously maintained between 6.0 – 35.0 inches of water while the emissions unit is in operation. This range is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate District Office or local air agency. The permittee may request revisions to this range based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, an approved revision to this range will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.

(2) The permittee shall collect and record the following information each month for this emissions unit:

a. the company identification for each coating asphalt material employed; and

b. documentation of whether or not each coating asphalt material employed is photochemically reactive material.

(3) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because this permit action does not involve an increase in any toxic air contaminant, as defined in OAC rule 3745-114-01, greater than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified PTI 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 PTI.

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the Mini-HEAF (CD09) was outside of the acceptable range;

b. an identification of each incident of deviation described in e)(1)a. where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(1)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(1)a. where proper records were not maintained for the investigation and/or the corrective action.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

(2) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing the use of photochemically reactive asphalt coating materials in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.

(3) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

f) Testing Requirements

(1) Compliance with the emission limitation(s) in section b)(2) of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitations:

CertainTeed ID Emission Point	OC lb/hr	OC TPY	PM10* lb/ton	PM10* TPY	CO lb/hr	CO TPY
EP12	0.11	0.47	0.02136	0.02	0.01	0.05

*All PE are considered PM10.

Applicable Compliance Methods:

The permittee shall demonstrate compliance with the lb/hr limitations by multiplying a maximum asphalt coating usage rate of 2.426 tons/hr by the company supplied emission factors in units of lbs/ton asphalt used, specific to individual components of the line. Emission factors used in the compliance demonstration for OC and CO lb/hr limitations for EP12 are as follows:

0.04374 lb OC per ton coating asphalt used;
0.004423 lb CO per ton coating asphalt used.

Compliance with the PM10 lb/ton emission limitation shall be demonstrated by applying a 98% control efficiency for the use of a Mini-HEAF (CD09) to a maximum uncontrolled emission rate of 1.068 lbs/ton asphalt used.

If required the permittee shall demonstrate compliance with the short term emission limitations by emission testing in accordance with the following:

For OC: emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4, 18, 25 and/or 25A, as appropriate.

For CO: emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4, and 10.

For PM10: emission testing in accordance with Methods 1-4 of 40 CFR Part 60, Appendix A and Methods 201/201A and 202 of 40 CFR Part 51, Appendix M.

Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

The ton/year limitations were established by multiplying the respective allowable lbs/hr with 8760 hours per year and the lb/ton by a maximum annual asphalt coating usage rate of 1,873 tons per year, and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the short term limitations compliance with the annual emission limitations shall also be demonstrated.

g) Miscellaneous Requirements

(1) None.

4. P104, Line No. 1 Filler System

Operations, Property and/or Equipment Description:

line no. 1 hot filler system (modification of PTI 03-17284, issued July 26, 2007 to re-permit asphalt shingle manufacturing operations at the facility)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b)(1)e. and d)(3).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	Control measures – see b)(2)b.i. through b)(2)b.iv. Short-term emission limitations for particulate matter 10 microns or less in diameter (PM10) – see b)(2)c. Long-term emission limitation for PM10 – see b)(2)d(a). Visible emission restrictions – see b)(2)e. See b)(2)a. and b)(2)b.
b.	OAC rule 3745-17-07(A)	See b)(2)f.
c.	OAC rule 3745-17-11(B)	See b)(2)f.
d.	OAC rule 3745-21-07(G)	See b)(2)g. and c)(1).
e.	ORC 3704.03(F) OAC rule 3745-114-01	See d)(3)
f.	OAC rule 3745-31-05(A)(3) as effective 11/30/01	Short-term emission limitation for organic compounds (OC) – see b)(2)c. See b)(2)h.
g.	OAC rule 3745-31-05(A)(3) as effective 12/01/06	See b)(2)i.

(2) Additional Terms and Conditions

a. Line #1 Filler System receives, stores and heats filler for use on Line #1 and also provides emission control for two pieces of equipment associated with Line #2. The system consists of five main process components, four baghouse emission control systems and four emission points.

The following table is presented for the purpose of identifying the specific manufacturing equipment involved along with the control equipment and egress point. The intent of this term and condition including the table is to present information which will provide a basis for the content of the remaining terms and conditions involving the manufacturing line.

Equipment Description	CertainTeed Identification (ID)		
	Equipment ID	Egress Point ID	Control Equipment ID
No. 1 Filler Silo w/ pneumatic truck loading	EQ131	EP13	CD10
Line #2 Filler Transfer	EQ139		
No. 3 Filler Silo w/ pneumatic truck loading	EQ132	EP14	CD11
No. 4 Filler Silo w/ pneumatic truck loading	EQ133		
Line #2 Backing Silo	EQ155		
Line #1 Hot Filler Surge Bin	EQ135	EP15	CD12
Line #1 Filler Heater w/ Hot Oil Heating	EQ134	EP21	CD18

b. This permit establishes the following federally enforceable emission limitations for the purpose of limiting potential to emit (PTE) for emissions of particulate matter 10 microns or less in diameter (PM10) based on the following control equipment requirements:

i. a baghouse (CD10) resulting in emissions discharged which does not exceed 0.015 grains PM10 per dscf for the following equipment:

CertainTeed ID for Source Equipment	**Source Equipment**
EQ131	#1 Filler Silo
EQ139	Line #2 Filler Transfer

ii. a baghouse (CD11) resulting in emissions discharged which does not exceed 0.015 grains PM10 per dscf for the following equipment:

CertainTeed ID for Source Equipment	**Source Equipment**
EQ132	#3 Filler Silo with Pneumatic Truck Loading
EQ133	#4 Filler Silo with Pneumatic Truck Loading
EQ155	Line #2 Backing Silo

iii. a baghouse (CD12) resulting in emissions discharged which does not exceed 0.02353 lb PM10/ton of coating asphalt used for the following equipment:

CertainTeed ID for Source Equipment	Source Equipment
EQ135	Line #1 Hot Filler Surge Bin

iv. a baghouse (CD18) resulting in emissions discharged which does not exceed 0.06186 lb PM10/ton of coating asphalt used for the following equipment:

CertainTeed ID for Source Equipment	Source Equipment
EQ134	Line #1 Hot Filler Heater with Hot Oil Heating

c. Short term emission limitations for this emissions unit are summarized as follows:

CertainTeed ID for Emission Point	OC lbs/hr	PM10* (lb/ton)
EP13	0	0.3182 (lb/hr)
EP14	0	0.1286 (lb/hr)
EP15	0.18	0.02353
EP21	1.16	0.06186

*All particulate emissions (PE) are considered to be PM10.

d. Long term emission limitations for this emissions unit are the combined emissions from EP13, EP14, EP15, and EP21 as presented below:

(a) 5.39 tons OC/year;

(b) 7.11 tons PM10/year

e. Visible PE from the stacks serving this emissions unit shall not exceed the following opacity requirements:

CertainTeed ID for Emission Point	Opacity Requirement	Regulatory Basis for Opacity Requirement
EP13	0% opacity	OAC rule 3745-31-05(D)
EP14	0% opacity	OAC rule 3745-31-05(D)

CertainTeed ID for Emission Point	Opacity Requirement	Regulatory Basis for Opacity Requirement
EP15	0% opacity	OAC rule 3745-31-05(D)
EP21	0% opacity	OAC rule 3745-31-05(D)

f. The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(D).

g. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)d. c)(1), d)(1), and e)(2).

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: none.

h. The requirements of this rule are include the requirements established pursuant to OAC rule 3745-31-05(D); therefore, the permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit.

On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 Changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by 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 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, the requirements of 3745-31-05(A)(3) as effective 12-1-06 will no longer apply.

It should be noted that the emission limitations and control requirements established pursuant to OAC rule 3745-31-05(D) for PM10 will remain applicable after the above SIP revisions are approved by U.S. EPA.

i. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

j. Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3)(a), as effective December 1, 2006, do not apply to:

i. PM10 from this air contaminant source since the controlled potential to emit (PTE) is less than 10 tons per year taking into consideration federally enforceable requirements established under OAC rule 3745-31-05(D).

ii. Volatile organic compound (VOC) emissions since the uncontrolled PTE is less than 10 tons per year.

c) Operational Restrictions

(1) The use of any photochemically reactive material, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for this emissions unit:

a. the company identification for each coating asphalt material employed; and

b. documentation of whether or not each coating asphalt material employed is photochemically reactive material.

(2) The permittee shall properly install, operate and maintain equipment to continuously monitor the pressure drop in inches of water across the following particulate control devices, during the operation of this emissions unit:

a. a baghouse (CD10);

b. a baghouse (CD11);

c. a baghouse (CD12); and

d. a baghouse (CD18).

The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop in inches of water on a once per shift basis, for CD10, CD11, CD12 and CD18.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified below, unless the permittee determines

that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the static pressure drop immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The static pressure drop across the control devices shall be continuously maintained as follows, at all times while the emissions unit is in operation:

CD10: 0.5 - 7.0 inches of water

CD11: 0.5 - 7.0 inches of water

CD12: 0.5 - 7.0 inches of water

CD18: 0.5 - 7.0 inches of water

These ranges are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate District Office or local air agency. The permittee may request revisions to these ranges based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to these ranges will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.

(3) Modeling to demonstrate compliance with, the “Toxic Air Contaminant Statute”, ORC 3704.03(F)(4)(b), was not necessary because this permit action does not involve an increase in any toxic air contaminant, as defined in OAC rule 3745-114-01, greater than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified PTI 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 PTI.

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the baghouses (CD10, CD11, CD12, and CD18) was outside of the acceptable range;

b. an identification of each incident of deviation described in e)(1)a. where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(1)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(1)a. where proper records were not maintained for the investigation and/or the corrective action.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

(2) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing the use of photochemically reactive coating asphalt materials in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.

(3) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

f) Testing Requirements

(1) Compliance with the emission limitation(s) in section b)(2) of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. <u>Emission Limitations:</u>

CertainTeed ID Emission Point	OC lbs/hr	OC TPY	PM10* (lb/ ton)	PM10 TPY
EP13	0	5.39	0.32 (lb/hr)	7.11
EP14	0		0.13 (lb/hr)	
EP15	0.18		0.02353	
EP21	1.16		0.06186	

*All PE are considered to be PM10.

<u>Applicable Compliance Methods:</u>

The permittee shall demonstrate compliance with the lb/hr limitations for EP15 and EP21 by multiplying a maximum asphalt coating usage rate of 15.06 tons/hr by the company supplied emission factors in units of lbs/ton asphalt used, specific to individual components of the line. Emission factors used in the

compliance demonstration for OC lb/hr limitations for EP15 and EP21 are as follows:

EP15	0.01221 lb/ton, coating asphalt
EP21	0.07707 lb/ton, coating asphalt

Compliance with the PM10 lb/ton emission limitation shall be demonstrated by applying a 98% control efficiency for the use of a Mini-HEAF (CD09) to a maximum uncontrolled emission rate of 1.068 lbs/ton asphalt used. The uncontrolled emission rate is based on testing of a similar operation.

If required the permittee shall demonstrate compliance with the short term emission limitations by emission testing in accordance with the following:

For OC: emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4, 18, 25 and/or 25A, as appropriate.

For PM10: emission testing in accordance with Methods 1-4 of 40 CFR Part 60, Appendix A and Methods 201/201A and 202 of 40 CFR Part 51, Appendix M.

Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

The ton/year limitations were established by multiplying the process throughput per year with the company supplied emission factor and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the short term emission limitations, compliance with the annual emission limitations shall also be demonstrated.

b. Emission Limitation:

CertainTeed ID for Emission Point	Opacity Requirement
EP13	0% opacity
EP14	0% opacity
EP15	0% opacity
EP21	0% opacity

Applicable Compliance Method:

If required, compliance with the opacity limits shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) The permittee shall comply with the Consent Order and Final Judgment Entry dated October 19, 2009. Pursuant to paragraph 11 of the Consent Order and Final Judgment

Entry, the permittee submitted limestone sampling and monitoring procedures that are detailed in the January 18, 2010 letter. This plan is to be implemented and proper record keeping should detail compliance.

5. P105, Line No. 2 Filler System

Operations, Property and/or Equipment Description:

line no. 2 hot filler system (modification of PTI 03-08992, issued August 27, 1997, to re-permit asphalt shingle manufacturing operations at the facility).

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b)(1)e. and d)(3).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Control measures – see b)(2)b.i. through b)(2)b.v. Short-term emission limitations – see b)(2)c. Long-term emission limitations – see b)(2)d. Visible emission restrictions – see b)(2)e. See b)(2)a.
b.	OAC rule 3745-17-07(A)	See b)(2)f.
c.	OAC rule 3745-17-11(B)	See b)(2)f.
d.	OAC rule 3745-21-07(G)	See b)(2)g. and c)(1).
e.	ORC 3704.03(F) OAC rule 3745-114-01	See d)(3)

(2) Additional Terms and Conditions

a. Line #2 Hot Filler System receives, stores and heats filler for use on Line #2. The system consists of five main process components, five baghouse emission control systems and five emission points. EQ139 may also be discharged through CD10 and EP13 associated with the Line #1 Hot Filler System.

The following table is presented for the purpose of identifying the specific manufacturing equipment involved along with the control equipment and egress point. The intent of this term and condition including the table is to present

information which will provide a basis for the content of the remaining terms and conditions involving the manufacturing line.

Equipment Description	CertainTeed Identification (ID)		
	Equipment ID	Egress Point ID	Control Equipment ID
East 600 Ton Filler Silo w/ pneumatic truck loading	EQ136	EP16	CD13
West 600 Ton Filler Silo w/ pneumatic truck loading	EQ137	EP17	CD14
Filler Feeder	EQ138	EP18	CD15
Line #2 Filler Transfer and 50 Ton Filler Storage	EQ139	EP19	CD16
Line #2 Filler Heater and Transfer System w/ direct-fired burner and Hot Filler Receiving Bin	EQ140	EP20	CD17

b. Best Available Technology (BAT) requirements for this emissions unit has been determined to be compliance with the terms and conditions of this permit and use of the following particulate control equipment:

i. a baghouse (CD13) resulting in emissions discharged which does not exceed 0.015 grains PM10 per dscf for the following equipment:

CertainTeed ID for Source Equipment	**Source Equipment**
EQ136	East 600 Ton Filler Silo

ii. a baghouse (CD14) resulting in emissions discharged which does not exceed 0.015 grains PM10 per dscf for the following equipment:

CertainTeed ID for Source Equipment	**Source Equipment**
EQ137	West 600 Ton Filler Silo

iii. a baghouse (CD15) resulting in emissions discharged which does not exceed 0.015 grains PM10 per dscf for the following equipment:

CertainTeed ID for Source Equipment	**Source Equipment**
EQ138	Filler Feeder

iv. a baghouse (CD16) resulting in emissions discharged which does not exceed 0.015 grains PM10 per dscf for the following equipment:

CertainTeed ID for Source Equipment	**Source Equipment**
EQ139	50 Ton Filler Storage

v. a baghouse (CD17) resulting in emissions discharged which does not exceed 0.04043 lb PM10/ton of coating asphalt used for the following equipment:

CertainTeed ID for Source Equipment	Source Equipment
EQ140	Line #2 Filler Heater and Hot Filler Receiving Bin

c. Short term emission limitations for this emissions unit are summarized as follows:

CertainTeed ID for Emission Point	OC lbs/hr	PM10* (lb/ton)
EP16	0	0.4863 (lb/hr)
EP17	0	0.4863 (lb/hr)
EP18	0	0.0932 (lb/hr)
EP19	0	0.3182 (lb/hr)
EP20	5.43	0.8754

*All PE are considered to be PM10.

d. Long term emission limitations for this emissions unit are the combined emissions from EP16, EP17, EP18, EP19, and EP20 as presented below:

(a) 19.69 tons OC/year;

(b) 9.24 tons PM10/year.

e. Visible PE from the stacks serving this emissions unit shall not exceed the following opacity requirements:

CertainTeed ID for Emission Point	Opacity Requirement	Regulatory Basis for Opacity Requirement
EP16	0% opacity	OAC rule 3745-31-05(A)(3)
EP17	0% opacity	OAC rule 3745-31-05(A)(3)
EP18	0% opacity	OAC rule 3745-31-05(A)(3)
EP19	0% opacity	OAC rule 3745-31-05(A)(3)
EP20	0% opacity	OAC rule 3745-31-05(A)(3)

f. The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

g. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)d. c)(1), d)(1), and e)(2).

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: none.

c) Operational Restrictions

(1) The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for this emissions unit:

a. the company identification for each coating asphalt material employed; and

b. documentation of whether or not each coating asphalt material employed is photochemically reactive material.

(2) The permittee shall properly install, operate and maintain equipment to continuously monitor the pressure drop in inches of water across the following particulate control devices, during the operation of this emissions unit:

a. a baghouse (CD13);

b. a baghouse (CD14);

c. a baghouse (CD15);

d. a baghouse (CD16); and

e. a baghouse (CD17).

The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop in inches of water on a once per shift basis, for CD13, CD14, CD15, CD16 and CD17.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the static pressure drop immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The static pressure drop across the control devices shall be continuously maintained as follows, at all times while the emissions unit is in operation:

CD13: 0.5 - 7.0 inches of water

CD14: 0.5 - 7.0 inches of water

CD15: 0.5 - 7.0 inches of water

CD16: 0.5 - 7.0 inches of water

CD17: 0.5 - 7.0 inches of water

These ranges are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate District Office or local air agency. The permittee may request revisions to these ranges based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to these ranges will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.

(3) Modeling to demonstrate compliance with, the “Toxic Air Contaminant Statute”, ORC 3704.03(F)(4)(b), was not necessary because this permit action does not involve an increase in any toxic air contaminant, as defined in OAC rule 3745-114-01, greater than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified PTI 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 PTI.

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the baghouses (CD13, CD14, CD15, CD16 and CD17) was outside of the acceptable range;

b. an identification of each incident of deviation described in e)(1)a. where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(1)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(1)a. where proper records were not maintained for the investigation and/or the corrective action.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

(2) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing the use of photochemically reactive asphalt coating materials in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.

(3) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

f) Testing Requirements

(1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emissions testing shall be conducted within 180 days after the issuance of this permit.

b. The emission testing shall be conducted to demonstrate compliance with the following limits:

i. the mass emission limitations of 5.43 lbs OC/hr for EP20;

ii. the mass emission limitations of:

(a) 0.49 lb PM10/hour for each of EP16 and EP17;

(b) 0.09 lb PM10/hour for EP18;

(c) 0.32 lb PM10/hour for EP19; and

(d) 0.04043 lb PM10/ton of coating asphalt for EP20;

iii. the 0.015 grains PM10 per dscf for each baghouse (CD13, CD14, CD15, and CD16); and

iv. 0% opacity when the emission unit is operating.

c. The following test method(s) shall be employed to demonstrate compliance with the above emission limitations and verify emission factors:

i. Methods 1 - 4 of 40 CFR Part 60, Appendix A;

ii. for PM10 - Method 201/201A and 202 of 40 CFR Part 51, Appendix M;

iii. for OC - Method 18, 25, or 25A, as applicable, of CFR Part 60, Appendix A;

iv. for compliance with the 0% opacity, testing shall be done in accordance with Method 9 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

d. The tests shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emissions tests.

e. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.

(2) Compliance with the emission limitation(s) in section b)(2) of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitations:

CertainTeed ID Emission Point	OC lbs/hr	OC TPY	PM10 * lb/ton	PM10 TPY
EP16	0	19.69	0.4863 (lb/hr)	9.24
EP17	0		0.4863 (lb/hr)	
EP18	0		0.0932 (lb/hr)	
EP19	0		0.3182 (lb/hr)	
EP20	5.43		0.8754	

Applicable Compliance Methods:

Compliance with the short term emissions limitations will be demonstrated by the emissions testing in accordance with the requirements in f)(1) above.

The ton/year limitations were established by multiplying the process throughput per year with the company supplied emission factor and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the short term emission limitations, compliance with the annual emission limitations shall also be demonstrated.

b. Emission Limitation:

CertainTeed ID for Emission Point	Opacity Requirement
EP16	0% opacity
EP17	0% opacity
EP18	0% opacity
EP19	0% opacity
EP20	0% opacity

Applicable Compliance Method:

If required, compliance with the limits shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) The permittee shall comply with the Consent Order and Final Judgment Entry dated October 19, 2009. Pursuant to paragraph 11 of the Consent Order and Final Judgment Entry, the permittee submitted limestone sampling and monitoring procedures that are detailed in the January 18, 2010 letter. This plan is to be implemented and proper record keeping should detail compliance.

6. T105, Saturant Asphalt Storage Tank

Operations, Property and/or Equipment Description:

15,000 gallon saturant asphalt storage tank (modification to re-permit asphalt shingle manufacturing operations at the facility).

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) b)(1)g. and d)(6).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a)	Control measures – see b)(2)b.iv. Short-term emission limitations – see b)(2)c. Visible emission restriction – see b)(2)d. See b)(2)a.
b.	OAC rule 3745-31-05(D)	Federally enforceable emission limitations for P101, P102, T101, T102, T103, T104, and T105 combined: 142.17 tons organic compounds (OC)/rolling, 12-month period; 59.88 tons emissions of particulate matter 10 microns or less in size (PM10)/rolling, 12-month period; 37.49 tons carbon monoxide (CO)/rolling, 12-month period See Section B.2
c.	OAC rule 3745-17-07(A)	See b)(2)f.
d.	OAC rule 3745-17-11(B)	See b)(2)f.
e.	OAC rule 3745-21-07(G)	See c)(1)
f.	40 CFR Part 60, Subpart UU	See b)(2)c. through b)(2)e.
g.	ORC 3704.03(F)	See d)(6)

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-114-01	

(2) Additional Terms and Conditions

a. Emissions unit T105 is a saturant asphalt storage tank that serves both emissions units P101 and P102. Emissions from T105 are controlled by a CVM coalescing filter/mist eliminator (CD01). Controlled emissions from CD01 are vented through egress points EP01 and EP02. CD01 is used in the control of emissions from emissions units P101 and P102. Therefore all emission limitations for emissions unit T105 are combined emission limitations with emissions units P101 and P102 from egress points EP01 and EP02 [see emissions units P101 and P102 for additional details].

b. Best Available Technology (BAT) control requirements for this emissions unit has been determined to be the following:

i. compliance with 40 CFR Part 60, Subpart UU;

ii. compliance with OAC rule 3745-31-05(D);

iii. compliance with the terms and conditions of this permit;

iv. use of the following air pollution control equipment and compliance with associated emission limitations:

(a) CVM coalescing filter/mist eliminator (CD01) resulting in emissions discharged which do not exceed 0.068 lb PM10/ton of coating asphalt used. Emissions unit T105 and the following equipment are controlled by CD01:

CertainTeed ID for Source Equipment	**Source Equipment**
EQ102	Line #1 Coater
EQ105A	Line #1 Surfacing - Blender Section
EQ111	Line #1 Overlay Applicator
EQ112	Line #1 Sealant Applicator
EQ158	Overlay Concentrate Mixer
EQ159	Overlay Mixer
T100-I	Plasticizer pre-heat tank
T105	Saturant Asphalt Storage Tank
T106	Overlay Asphalt Storage Tank

CertainTeed ID for Source Equipment	Source Equipment
T107	Line #1 Sealant Day Tank
T108	Line #1 Sealant Use Tank

c. Emissions limitations for this emissions unit are summarized as follows:

CertainTeed ID for Emission Point	OC lb/hr*	PM10* (lb/ton)	CO lb/hr*
EP01/EP02	8.33	0.0565	6.81

*combined emission limitation with emissions unit P101 and P102 from egress points EP01 and EP02.

d. Visible particulate emissions (PE) from the stacks serving this emissions unit shall not exceed the following opacity requirements:

CertainTeed ID for Emission Point	Opacity Requirement	Regulatory Basis for Opacity Requirement
EP01/EP02	0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing	40 CFR Part 60.472(c)

e. New Source Performance Standards (NSPS), according to 40 CFR Part 60, Subpart UU, are applicable to this emissions unit.

f. The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

g. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)d. c)(1), d)(2), and e)(1).

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-

07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: none.

c) Operational Restrictions

(1) The storage of any photochemically reactive material, as defined in OAC rule 3745-21-01, in this emissions unit, is prohibited.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain documentation of whether or not each asphalt coating material employed is a photochemically reactive material.

(2) The permittee shall maintain monthly records of the following information for emission units P101, P102, and T105:

a. coating asphalt usage in each emissions unit, in tons;

b. coating asphalt usage in emissions units P101 and P102 combined;

c. asphalt applied at the Overlay Applicator;

d. saturant asphalt use;

e. plasticizer use;

f. Line No. 2 paint use in gallons;

g. AC-20 Asphalt use;

h. during the first 12 calendar months of operation, the cumulative coating asphalt usage in emissions units P101 and P102 combined, in tons;

i. beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the coating asphalt usage in emissions units P101 and P102 combined, in tons;

j. the calculated monthly emission rate for OC for P101, P102, and T105 combined using the following equation:

OC emissions in tons = (Throughput) x (company supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.2239 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.769 lb/ton, saturant (or AC-20) asphalt	Tons, saturant (or AC-20) asphalt (T105)
	0.7404 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159 & T106)
	0.0068 lb/ton, plasticizer	Tons, plasticizer(T100-I)
EP03	0.01735 lb/ton, coating	Tons, coating asphalt for

	asphalt	Line No. 1 plus Line No. 2
EP04	0.05011 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP05/EP06/EP07	0.1164 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.2155 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP34	0.02688 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP08	0.1313 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP10	0.1433 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP11	0.01991 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP37	0.3814 lb/gallon, paint	Gallons, paint use on Line No. 2

k. the calculated monthly emission rate for PM10 for P101, P102, and T105 combined using the following equation:

PM10 emissions in tons = (Throughput) x (company supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.0533 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.004517 lb/ton, saturant (or AC-20) asphalt	Tons, saturant (or AC-20) asphalt (T105)
	0.003685 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159 & T106)
	0..000788 lb/ton, plasticizer	Tons, plasticizer (T100-I)
EP03	0.00333 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
EP04	0.08965 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP36	0.05143 lb/hr	Hours CD05 operated.
EP05/EP06/EP07	0.3396 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.755 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP34	0.08879 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP08	0.07468 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP09	0.05143 lb/hr	Hours CD07 operated.
EP10	0.4284 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP11	0.008579 lb/ton, coating	Tons, coating asphalt for

	asphalt	Line No. 2

l. the calculated monthly emission rate of CO for P101, P102, and P105 combined using the following equation:

CO emissions in tons = (Throughput) x (company supplied emission factors) x (1 ton/2000 lbs)

EP No.	Emission Factor	Throughput
EP01/EP02	0.3718 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
	0.0572 lb/ton, saturant (or AC-20) asphalt	Tons, saturant (or AC-20) asphalt (T105)
	0.00242 lb/ton, Overlay asphalt	Tons, Overlay asphalt (EQ158, EQ159 & T106)
	0.000285 lb/ton, plasticizer	Tons, plasticizer (T100-I)
EP03	0.0311 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1 plus Line No. 2
EP04	0.0823 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP05/EP06/EP07	0.0689 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 1
EP38	0.184 lb/ton, Overlay asphalt	Tons, Overlay asphalt
EP08	0.0313 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP10	0.0689 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2
EP11	0.01058 lb/ton, coating asphalt	Tons, coating asphalt for Line No. 2

(3) The permittee shall properly install, operate and maintain equipment to continuously monitor the pressure drop in inches of water across the following particulate control devices, during the operation of this emissions unit:

a. CVM coalescing filter/mist eliminator (CD01)

The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop in inches of water on a once per shift basis, for CD01.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the static pressure drop immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The static pressure drop across the control devices shall be continuously maintained as follows, at all times while the emissions unit is in operation:

CD01: 2.0 - 12.0 inches of water

These ranges are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate District Office or local air agency. The permittee may request revisions to these ranges based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to these ranges will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.

(4) The permittee shall properly install, operate and maintain equipment to continuously monitor the inlet temperature to the filter elements, in degrees Fahrenheit, for the CVM coalescing filter CD01, during the operation of this emissions unit. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the inlet temperature to the filter elements, in degrees Fahrenheit, on a once per shift basis, for CD01.

Whenever the monitored value for the inlet temperature to the filter elements exceeds the maximum temperature value specified below, the permittee shall promptly investigate the cause of the exceedance. The permittee shall maintain records of the following information for each investigation: the date and time the exceedance began and the magnitude of the exceedance at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of an exceedance, the permittee shall take prompt corrective action to bring the operation of the control equipment below the maximum temperature value specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the exceedance ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the

exceedance ended, the total period of time (in minutes) during which there was an exceedance, the temperature reading immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The inlet temperature to the filter element shall be continuously maintained at or below the maximum temperature of 125 degrees Fahrenheit, at all times while the emissions unit is in operation.

(5) This maximum temperature is effective for the duration of this permit, unless a revision is requested by the permittee and approved in writing by the appropriate District Office or local air agency. The permittee may request a revision to this maximum temperature based upon information obtained during future organic compound emission tests that demonstrate compliance with the allowable organic compound emission rate for this emissions unit. In addition, an approved revision to this maximum temperature value will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative permit modification.

(6) Modeling to demonstrate compliance with, the “Toxic Air Contaminant Statute”, ORC 3704.03(F)(4)(b), was not necessary because this permit action does not involve an increase in any toxic air contaminant, as defined in OAC rule 3745-114-01, greater than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified PTI 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 PTI.

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing the use of photochemically reactive asphalt coating materials in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.

(2) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the inlet temperature to the CVM coalescing filter/mist eliminator CD01 was above the acceptable maximum;

b. an identification of each incident of deviation described in e)(2)a. where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(2)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(3)a. where proper records were not maintained for the investigation and/or the corrective action.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

f) Testing Requirements

(1) Compliance with the emission limitation(s) in section b)(2) of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitations:

CertainTeed ID Emission Point	OC lbs/hr	PM10 (lb/ton)	CO lb/hr
EP01/EP02	8.33	0.068	6.81

Applicable Compliance Methods:
The short term emission limitations are combined emission limitations with emissions unit P101 and P102. Compliance with the short term emission limitations for OC and PM10 shall be demonstrated by the emission testing requirements for emissions units P101 and P102 [see Testing requirements for emissions units P101 and P102].

The permittee shall demonstrate compliance with the lb/hr limitation for CO by multiplying a maximum asphalt coating usage rate of 36.716 tons/hr by the company supplied emission factors in units of lbs/ton coating asphalt used, specific to individual components of emissions unit P101 and P102 including T105 [see emissions units P101 and P102 for details]. If required, compliance shall demonstrated by testing for CO using Method 10 of CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

b. Emission Limitation:

CertainTeed ID for Emission Point	Opacity Requirement
EP01/EP02	0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing

Applicable Compliance Method:

If required. compliance with the limit established by 40 CFR Part 60.472(c) shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.

7. Emissions Unit Group - Coating Asphalt Heaters: B103, B104, B105,

EU ID	Operations, Property and/or Equipment Description
B103	No. 1 Coating Asphalt Heater
B104	No. 2 Coating Asphalt Heater (east vertical asphalt heater)
B105	No. 3 AC-20/Coating Asphalt Heater (west vertical asphalt heater)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) b)(1)e. and d)(2).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	1.37 lbs of nitrogen oxides (NOx)/hour; 6.00 tons of NOx/year 1.15 lbs of carbon monoxide (CO)/hour; 5.04 tons of CO/year 0.15 lb of organic compounds (OC)/hour; 0.66 ton of OC/year 0.10 lb of particulate matter 10 microns or less in diameter (PM10)/hour; 0.44 ton of PM10/year Visible particulate emissions (PE) shall not exceed 5% opacity, as a six-minute average.
b.	40 CFR 63.52(a)(2)	See b)(2)a.
c.	OAC rule 3745-17-10(C)(2)	See b)(2)b.
d.	OAC rule 3745-17-07(A)(1)(a)	See b)(2)b.
e.	ORC 3704.03(F) OAC rule 3745-114-01	See d)(2)

(2) Additional Terms and Conditions

a. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this PTI permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c. All emissions of particulate matter are PM10.

c) Operational Restrictions

(1) The permittee shall burn only natural gas in this emissions unit.

d) 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) Modeling to demonstrate compliance with, the “Toxic Air Contaminant Statute”, ORC 3704.03(F)(4)(b), was not necessary because this permit action does not involve an increase in any toxic air contaminant, as defined in OAC rule 3745-114-01, greater than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified PTI 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 PTI.

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

(2) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

f) Testing Requirements

(1) Compliance with the emission limitations in section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. <u>Emission Limitations:</u>
1.37 lbs of NOx/hour; 6.00 tons of NOx/year

<u>Applicable Compliance Method:</u>
The permittee shall demonstrate compliance with the hourly emission rate by multiplying the maximum natural gas fuel usage of 14 million British thermal units (MMBtu) per hour by the appropriate AP-42 emission factor of 100 lbs/10^6 ft^3

(scf) from Chapter 1, Table 1.4-1 (7/1998) and the conversion factor of 1020 Btu/scf. If required, the permittee shall demonstrate compliance by emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4, and 7. Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

The tons per year limitation was developed by multiplying the lbs per hour limitation by the maximum operating schedule of 8760 hours per year, and dividing by 2000 lbs per ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual emission limitation shall also be demonstrated.

b. Emission Limitations:
1.15 lbs of CO/hour; 5.04 tons of CO/year

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly emission rate by multiplying the maximum natural gas fuel usage of 14 million British thermal units (MMBtu) per hour by the appropriate AP-42 emission factor of 84 lbs/10^6 ft^3 (scf) from Chapter 1, Table 1.4-1 (7/1998) and the conversion factor of 1020 Btu/scf. If required, the permittee shall demonstrate compliance by emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4, and 10. Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

The tons per year limitation was developed by multiplying the lbs per hour limitation by the maximum operating schedule of 8760 hours per year, and dividing by 2000 lbs per ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual emission limitation shall also be demonstrated.

c. Emission Limitations:
0.15 lb of OC/hour; 0.66 ton of OC/year

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly emission rate by multiplying the maximum natural gas fuel usage of 14 million British thermal units (MMBtu) per hour by the appropriate AP-42 emission factor of 11 lbs/10^6 ft^3 (scf) from Chapter 1, Table 1.4-1 (7/1998) and the conversion factor of 1020 Btu/scf. If required, the permittee shall demonstrate compliance by emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4, 18, 25 and/or 25A, as appropriate. Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

The tons per year limitation was developed by multiplying the lbs per hour limitation by the maximum operating schedule of 8760 hours per year, and dividing by 2000 lbs per ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual emission limitation shall also be demonstrated.

d. Emission Limitations:
0.10 lb of PM10/hour; 0.44 ton of PM10/year

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly emission rate by multiplying the maximum natural gas fuel usage of 14 million British thermal units (MMBtu) per hour by the appropriate AP-42 emission factor of 7.6 lbs/10^6 ft^3 (scf) from Chapter 1, Table 1.4-1 (7/1998) and the conversion factor of 1020 Btu/scf. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 of 40 CFR Part 60, Appendix A and Methods 201/201A of 40 CFR Part 51, Appendix M. Alternative U.S. EPA approved test methods may be used with prior approval from the appropriate District Office or local air agency.

The tons per year limitation was developed by multiplying the lbs per hour limitation by the maximum operating schedule of 8760 hours per year, and dividing by 2000 lbs per ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual emission limitation shall also be demonstrated.

e. Emission Limitations:
Visible PE shall not exceed 5% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emissions limitations established by this permit shall be determined by Method 9, 40 CFR Part 60 Appendix A.

g) Miscellaneous Requirements

(1) None.

8. Emissions Unit Group - Coating Asphalt Storage Tanks: T101, T102, T103, T104,

EU ID	Operations, Property and/or Equipment Description
T101	50,000 gallon coating asphalt storage tank #1 (modification of PTI 03-17284, issued July 26, 2007, to establish facility-wide synthetic minor to avoid PSD and MACT)
T102	50,000 gallon coating asphalt storage tank #2 (modification to establish facility-wide synthetic minor to avoid PSD and MACT)
T103	50,000 gallon asphalt storage tank #3 (modification to establish facility-wide synthetic minor limits to avoid PSD and MACT)
T104	50,000 gallon AC-20 asphalt storage tank #4 (modification of PTI 03-17284, issued July 26, 2007, to establish facility-wide synthetic minor to avoid PSD and MACT)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) b)(1)g. and d)(3).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Control measures – see b)(2)b. Short-term emission limitations – see b)(2)c. Visible emission restriction – see b)(2)d. See b)(2)a.
b.	OAC rule 3745-17-07(A)	See b)(2)f.
c.	OAC rule 3745-17-11(B)	See b)(2)f.
d.	OAC rule 3745-21-07(D)	See b)(2)g. and c)(1)
f.	40 CFR Part 60, Subpart UU	See b)(2)d. and b)(2)e.
g.	ORC 3704.03(F) OAC rule 3745-114-01	See d)(3)

(2) Additional Terms and Conditions

a. T101, T102, T103, and T104 are each 50,000 gallon asphalt storage tanks. Two of the tanks will be used at any one time for storage of coating asphalt and one tank will be used for storage of AC-20 asphalt. The specific tanks in service may vary, but for purposes of this permit it is assumed that T101 and T102 are

actively storing coating asphalt and T104 is storing AC-20 asphalt. T103 is in reserve. All four tanks are connected for emission control to a cyclone (CD19) and mist eliminator (CD20). Egress for emissions may be through the No. 1 Coating Asphalt Heater (B103, EP26), the No. 2 Coating Asphalt Heater (B104, EP27) or No. 3 AC-20/Coating Asphalt Heater (B105 and EP28).

The following table is presented for the purpose of identifying the specific manufacturing equipment involved along with the control equipment and egress point. The intent of this term and condition including the table is to present information which will provide a basis for the content of the remaining terms and conditions involving the manufacturing line.

Equipment Description	CertainTeed Identification (ID)		
	Equipment ID	Egress Point ID	Control Equipment ID
Coating Asphalt Storage Tank #1	T101	EP26, EP27 or EP28	CD19 and CD20
Coating Asphalt Storage Tank #2	T102		
Coating Asphalt Storage Tank #3	T103		
AC-20 Asphalt Storage Tank #4	T104		

b. Best Available Technology (BAT) control requirements for this emissions unit has been determined to be compliance with 40 CFR Part 60, Subpart UU, compliance with the terms and conditions of this permit and use of the following particulate control equipment:

i. a cyclone and mist eliminator (CD19 and CD20) resulting in emissions discharged which do not exceed 0.0237 lb PM10/ton of coating asphalt and AC-20 asphalt used, for the following equipment:

CertainTeed ID for Source Equipment	**Source Equipment**
T101	Coating Asphalt Storage Tank #1
T102	Coating Asphalt Storage Tank #2
T103	Coating Asphalt Storage Tank #3
T104	AC-20 Asphalt Storage Tank #4

c. Combined limitations for emissions units T101, T102, T103, and T104 are summarized as follows:

CertainTeed ID for Emission Point	**OC lbs/hr**	**PM10* lb/ton**	**CO lbs/hr**
EP26, EP27 or EP28**	29.19	0.0237	2.17

*All particulate emissions (PE) are considered to be PM10.

**Combined emissions limitation for emission units T101, T102, T103 and T104. This does not include products of combustion from asphalt heater.

d. Visible PE from the stacks serving this emissions unit shall not exceed the following opacity requirements:

CertainTeed ID for Emission Point	Opacity Requirement	Regulatory Basis for Opacity Requirement
EP26, EP27 or EP28 (when tanks are connected)	0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing	40 FR Part 60.472(c)

e. New Source Performance Standards (NSPS), according to 40 CFR Part 60, Subpart UU, are applicable to the following equipment found within this emissions unit:

CertainTeed ID for Source Equipment	Source Equipment
T101	Coating Asphalt Storage Tank #1
T102	Coating Asphalt Storage Tank #2
T103	Coating Asphalt Storage Tank #3
T104	AC-20 Asphalt Storage Tank #4

f. The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

g. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: b)(1)d. c)(1), d)(2), and e)(1).

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision: none.

c) Operational Restrictions

(1) The storage of any photochemically reactive material, as defined in OAC rule 3745-21-01, in this emissions unit, is prohibited.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the following information for emission units T101, T102, T103, and T104:

a. coating asphalt throughput for each emissions unit, in tons;

b. coating asphalt throughput for emission units T101, T102, T103, and T104 combined;

c. the calculated monthly emission rate for OC for this emissions unit using the following equation:

OC emissions in tons = (Throughput) x (company supplied emission factors) x (1 tons/2000 lbs);

EP No.	Emission Factor	Throughput
EP26, EP27 or EP28	0.769 lb/ton, asphalt	Tons, coating asphalt and AC-20 asphalt

d. the calculated monthly emission rate for PM10 for this emissions unit using the following equation:

PM10 emissions in tons = (Throughput) x (company supplied emission factors) x (1 tons/2000 lbs);

EP No.	Emission Factor	Throughput
EP26, EP27 or EP28	0.0237 lb/ton, coating asphalt	Tons, coating asphalt and AC-20 asphalt

(2) The permittee shall maintain documentation of whether or not each asphalt coating material stored is a photochemically reactive material.

(3) Modeling to demonstrate compliance with, the “Toxic Air Contaminant Statute”, ORC 3704.03(F)(4)(b), was not necessary because this permit action does not involve an increase in any toxic air contaminant, as defined in OAC rule 3745-114-01, greater than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified PTI 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 PTI.

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing the storage of photochemically reactive asphalt coating

materials in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.

(2) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

f) Testing Requirements

(1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emissions testing shall be conducted within 180 days after the issuance of this permit. Emissions from the cyclone and mist eliminator controlling the tanks are vented to the facility coating asphalt heaters (B103, B104, and B105). The permit shall perform simultaneous testing on all heaters that will be in operation during the testing period.

b. The emission testing shall be conducted to demonstrate compliance with the following limits:

i. the mass emission limitation of 0.0237 lb PM10/ton;

ii. the mass emission limitation of 29.19 lbs OC/hr;

iii. the mass emission limitation of 2.17 lbs CO/hr; and

iv. 0% opacity when the emissions unit is operating.

c. The following test method(s) shall be employed to demonstrate compliance with the above emission limitations and verify emission factors:

i. Methods 1 - 4 of 40 CFR Part 60, Appendix A;

ii. for PM10 - Method 201/201A and 202 of 40 CFR Part 51, Appendix M;

iii. for OC - Method 18, 25, or 25A, as applicable, of CFR Part 60, Appendix A;

iv. for CO - Method 10 of 40 CFR Part 60, Appendix A;

v. for compliance with the 0% opacity, testing shall be done in accordance with Method 9 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the appropriate District Office or local air agency.

d. The tests shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio

EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emissions tests.

e. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.

(2) Compliance with the emission limitation(s) in section b)(2) of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitations:

CertainTeed ID Emission Point	OC lbs/hr	OC TPY	PM10* lb/ton	PM10 TPY
EP26, EP27 or EP28*	29.19	80.53	0.0237	2.48

*T101, T102, T103 and T104 may be discharged to atmosphere through any one of the emission points at any one time.

Applicable Compliance Methods:

Compliance with the lbs/hr and lbs/ton emission limitations will be demonstrated by the emissions testing in accordance with the requirements in f)(1) above.

The ton/year limitations were established by multiplying the maximum tons of coating asphalt usage per year with the CO emissions factor and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the monitoring and recordkeeping requirements, compliance with the limitations shall also be demonstrated.

b. Emission Limitation:

CertainTeed ID Emission Point	CO lbs/hr	CO TPY
EP26, EP27 or EP28*	2.17	5.99

*T101, T102, T103 and T104 may be discharged to atmosphere through any one of the emission points at any one time.

Applicable Compliance Methods:

Compliance with the lbs/hr and lbs/ton emission limitations will be demonstrated by the emissions testing in accordance with the requirements in f)(1) above.

The ton/year limitations were established by multiplying the maximum tons of coating asphalt usage per year with the CO emissions factor and applying a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the monitoring and recordkeeping requirements, compliance with the limitations shall also be demonstrated.

c. Emission Limitation:

CertainTeed ID for Emission Point	Opacity Requirement
EP26, EP27 or EP28*	0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing

*T101, T102, T103 and T104 may be discharged to atmosphere through any one of the emission points at any one time.

Applicable Compliance Method:

Compliance with the limit established by 40 CFR Part 60.472(c) shall be demonstrated in accordance with Method 9 of 40 CFR Part 60, Appendix A as stated in f)(1).

g) Miscellaneous Requirements

(1) None.