State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

06/06/05

CERTIFIED MAIL

RE: Preliminary Proposed Title V
Chapter 3745-77 permit

16-52-05-0040
Owens Corning, Medina Plant
Brian Thomas
890 W. Smith Road
Medina, OH 44256

Dear Brian Thomas:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on (not issued). The comment period for the Draft permit has ended. We are now ready to submit this permit to USEPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. **In order to facilitate our review of all the comments or concerns you may have with the enclosed preliminary proposed permit, please provide a hand marked-up copy of the permit showing the changes you think are necessary, along with any additional summary comments, within fourteen (14) days from your receipt of this letter to:**

Ohio EPA, Division of Air Pollution Control
Jim Orlemann, Manager, Engineering Section
Preliminary Proposed Title V Permit Correspondence
122 South Front Street
Columbus, Ohio 43215

and

Akron Air Pollution Control
146 South High Street, Room 904
Akron, OH 44308
(330) 375-2480

Also, if you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within fourteen (14) days of your receipt of this letter, we will forward the proposed permit to USEPA for approval. All comments received will be carefully considered before proceeding to the proposed permit.

Sincerely,

Michael W. Ahern

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

cc: Akron Air Pollution Control
File, DAPC PMU

State of Ohio Environmental Protection Agency

PRELIMINARY PROPOSED TITLE V PERMIT

Issue Date: 06/06/05	Effective Date: To be entered upon final issuance	Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 16-52-05-0040 to:

Owens Corning, Medina Plant
890 W. Smith Road
Medina, OH 44256

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

B006 (Asphalt Preheater)
10.50 MMBtu/hr asphalt preheater; fires natural gas or #2 fuel oil with sulfur content of less than or equal to 0.3 percent

F002 (Asphalt Pouring Shed)
Pouring of asphalt into containers

F104 (Paved and Unpaved Roads)
Paved and unpaved roads

J001 (Asphalt Loading Rack #1)
Loading of asphalt into trucks

J002 (Asphalt Loading Rack #2)
Loading of asphalt into trucks

J003 (Asphalt Loading Rack #3)
Loading of asphalt into trucks

J005 (Asphalt Loading Rack #4)
Loading of asphalt into trucks

J006 (Cutback Loading Rack)
Loading of cutback asphalt into trucks

P003 (Convertor #2)
Asphalt blowing still

P004 (Convertor #3)
Asphalt blowing still

P005 (Convertor #1)
Asphalt blowing still; used to be called Convertor #4

P006 (Convertor #4)
Asphalt blowing still; used to be called Convertor #5

P007 (Convertor #5)
Asphalt blowing still; used to be called Convertor #6

P901 (Parting Agent Handling System)
Unloading and transfer of parting agent (backdust)

P902 (Mineral Filler Handling System #1)
Unloading and transfer of filler for the laminate (3-wide) roofing line

P904 (Mineral Filler Handling System #2)
Unloading and transfer of filler for the strip (4-wide) roofing line

P905 (Material Surfacing Applicator #1)
Application of surfacing materials (i.e., granules and backdust) on the laminate (3-wide) roofing line

P906 (Asphalt Coater/Coating Surge Tank #1)
Equipment to produce asphalt coated mat on the laminate (3-wide) roofing line

P907 (Asphalt Filler Mixer #2)
Filler mixer for the strip (4-wide) roofing line

P908 (Asphalt Coater/Surge Tank #2)
Equipment to produce asphalt coated mat on the strip (4-wide) roofing line

P909 (Material Surfacing Applicator #2)
Application of surfacing materials (i.e., granules and backdust) on the strip (4-wide) roofing line

P910 (Cooling Section #2)
Cooling of asphalt coated product on the strip (4-wide) roofing line

P911 (Cooling Section #1)
Cooling of asphalt coated product on the laminate (3-wide) roofing line

P912 (MLA System)
Modified laminate adhesive system on the laminate (3-wide) roofing line

P913 (MSA System #1)
Modified sealant asphalt system on the laminate (3-wide) roofing line

P914 (Mat Unwind #1)
Unwinding of mat prior to dry looper on the laminate (3-wide) roofing line

P915 (MSA System #2)
Modified sealant asphalt system for the strip (4-wide) roofing line

P916 (Mat Unwind #2)
Unwinding of mat prior to dry looper on the strip (4-wide) roofing line

P917 (Asphalt Filler Mixer #1)
Filler mixer for the laminate (3-wide) roofing line

P918 (Surfacing Material System #1)
Unloading, transfer, and storage of headlap granules

P919 (Mineral Filler Storage System #1)
Storage of filler for the laminate (3-wide) roofing line

P920 (Mineral Filler Storage System #2)
Storage of filler for the strip (4-wide) roofing line

P921 (Parting Agent Storage System)
Storage of parting agent (backdust)

P922 (Surfacing Material System #2)
Unloading, transfer, and storage of prime granules

T001 (Asphalt Storage Tank #25)
Asphalt storage; 245,000 gallons

T004 (Asphalt Storage Tank #24)
Asphalt storage; 245,000 gallons

T005 (Asphalt Storage Tank #23)
Asphalt storage; 345,000 gallons

T006 (Mineral Spirits Storage Tank #61)
Mineral spirits storage; 100,000 gallons

T007 (Asphalt Storage Tank #50)
Asphalt storage; 60,000 gallons

T008 (Asphalt Storage Tank #52)
Asphalt storage; 30,000 gallons

T009 (Asphalt Storage Tank #53)
Asphalt storage; 60,000 gallons

T010 (Mineral Spirits Storage Tank #60)
Mineral spirits storage; 28,600 gallons

T011 (Cutback Asphalt Storage Tank #62)
Cutback asphalt blending, cooling, and storage; 100,000 gallons

T012 (Cutback Asphalt Storage Tank #65)
Cutback asphalt blending, cooling, and storage; 28,600 gallons

T013 (Cutback Asphalt Storage Tank #66)
Cutback asphalt blending, cooling, and storage; 28,600 gallons

T014 (Asphalt Storage Tank #26)
Asphalt storage; 29,000 gallons

T015 (Asphalt Storage Tank #27)
Asphalt storage; 29,000 gallons

T016 (Asphalt Storage Tank #30)
Asphalt storage; 18,500 gallons

T017 (Asphalt Storage Tank #31)
Asphalt storage; 18,500 gallons

T018 (Asphalt Storage Tank #40)
Asphalt storage; 18,000 gallons

T019 (Asphalt Storage Tank #41)
Asphalt storage; 18,000 gallons

T020 (Asphalt Storage Tank #42)
Asphalt storage; 18,000 gallons

T021 (Asphalt Storage Tank #32)

Asphalt storage; 18,500 gallons

T022 (Cutback Asphalt Storage Tank #64)
Cutback asphalt blending, cooling, and storage; 28,600 gallons

T023 (Cutback Asphalt Storage Tank #63)
Cutback asphalt blending, cooling, and storage; 28,600 gallons

T026 (Asphalt Storage Tank #28)
Asphalt storage; 29,000 gallons

T027 (Asphalt Storage Tank #29)
Asphalt storage; 100,000 gallons

T029 (Asphalt Storage Tank #44)
Asphalt storage; 400,000 gallons

T030 (Asphalt Storage Tank #36)
Asphalt storage; 100,000 gallons

T031 (Asphalt Storage Tank #51)
Asphalt storage; 29,600 gallons

T032 (Asphalt Storage Tank #59)
Cutback asphalt blending, cooling, and storage; 29,600 gallons

T033 (Asphalt Storage Tank #67)
Cutback asphalt blending, cooling, and storage; 29,600 gallons

T034 (Asphalt Storage Tank #45)
Asphalt storage; 1,700,000 gallons

T035 (Asphalt Storage Tank #46)
Asphalt storage; 1,700,000 gallons

T036 (Asphalt Storage Tank #69)
Asphalt storage; 30,000 gallons

T037 (Asphalt Storage Tank #70)
Asphalt storage; 60,000 gallons

T038 (Mineral Spirits Storage Tank #68)
Mineral spirits storage; 20,000 gallons

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Akron Air Pollution Control
146 South High Street, Room 904
Akron, OH 44308
(330) 375-2480

OHIO ENVIRONMENTAL PROTECTION AGENCY

Joseph P. Koncelik
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. 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, i.e., in Section A.III of Part III of this Title V permit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.
ii. The date(s) analyses were performed.
iii. The company or entity that performed the analyses.
iv. The analytical techniques or methods used.
v. The results of such analyses.
vi. The operating conditions existing at the time of sampling or measurement.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c. The permittee shall submit required reports in the following manner:

i. **All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:**

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted by January 31, April 30, July 31, and October 31 of each year in accordance with General Term and Condition A.1.c.ii below; and each report shall cover the previous calendar quarter.

In accordance with OAC rule 3745-15-06, a malfunction constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

ii. **Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.IV of Part III of this Title V permit or, in some cases, in Part II of this Title V permit, all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. OAC rule 3745-77-07(A)(3)(c) is not fully satisfied until the permittee addresses all other deviations of the federally enforceable requirements specified in the permit.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement overrides the reporting requirements specified in this General Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this General Term and Condition.

See B.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

iii. **All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted in the following manner:**

Written reports that identify all other deviations of the federally enforceable requirements contained in this permit, including the monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with General Term and Condition A.1.c.ii above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

iv. Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

v. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

2. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in General Term and Condition A.1.c.i above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a. a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b. as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.
(Authority for term: OAC rule 3745-77-07(A)(5))

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
(Authority for term: OAC rule 3745-77-07(A)(6))

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.10 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d. This permit does not convey any property rights of any sort, or any exclusive privilege.

e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

(Authority for term: OAC rule 3745-77-07(A)(7))

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.
(Authority for term: OAC rule 3745-77-07(A)(8))

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

10. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

11. Federal and State Enforceability

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

(Authority for term: OAC rule 3745-77-07(B))

12. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

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

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports

shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
ii. Compliance certifications shall include the following:
   (a) An identification of each term or condition of this permit that is the basis of the certification.
   (b) The permittee's current compliance status.
   (c) Whether compliance was continuous or intermittent.
   (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
   (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

13. Permit Shield

a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

15. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.
(Authority for term: OAC rule 3745-77-07(G))

16. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b. The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA. Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.
(Authority for term: OAC rule 3745-77-07(I))

17. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.
(This term is provided for informational purposes only.)

18. Insignificant Activities

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

19. Permit to Install Requirement

Prior to the “installation” or “modification” of any “air contaminant source,” as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-07(A)(1))

20. 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.
(Authority for term: OAC rule 3745-77-07(A)(1))

21. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification by the responsible official of the date on which the emissions unit was permanently shut down. Authorization to operate the affected part or activity of the stationary source shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

If an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any monitoring, record keeping, reporting, or testing requirements, applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

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

B. *State Only Enforceable Section*

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

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

2. Records Retention Requirements

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.

3. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

4. 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 of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. 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 emissions unit(s) that is (are) served by such control system(s).

5. Permit Transfers

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

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

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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 by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a. where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in General Term and Condition A.1.c.ii;

b. where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; and

c. where the company's responsible official has certified that an emissions unit has been permanently shut down.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforceable Section

1. The permittee's existing emissions units are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asphalt Processing and Asphalt Roofing Manufacturing, 40 CFR Part 63, Subpart LLLLL and, therefore, are subject to all the requirements listed for the emissions units pursuant to 40 CFR Part 63, Subpart LLLLL, which include, but are not limited to, the following:

a. For each Group 1 asphalt loading rack and blowing still:

i. reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or

ii. route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent; total emissions from the coating mixer, coater, sealant applicator, and adhesive applicator at each existing asphalt manufacturing line; and

iii. limit particulate matter emissions to 0.04 kilograms emissions per megagram (kg/Mg) (0.08 pounds per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced;

b. For each existing coater:

i. limit exhaust gases to 20 percent opacity; and

ii. limit visible emissions from the emission capture system to 20 percent of any period of consecutive valid observations totaling 60 minutes;

c. For each Group 2 asphalt storage tank:

i. limit exhaust gases to 0 percent opacity.

2. The permittee shall achieve total, ongoing compliance with all applicable requirements of 40 CFR Part 63, Subpart LLLLL on or before the mandatory compliance date of May 1, 2006. Also, the permittee shall complete any performance test required in paragraph 63.8687 within the time limits specified in paragraph 63.8686.

3. Given the applicability of 40 CFR Part 63, Subpart LLLLL, the permittee must also comply with applicable provisions of 40 CFR Part 63, Subpart A as referenced in Table 7 of 40 CFR Part 63, Subpart LLLLL (see Attachment 1).

4. Stack emissions shall be limited to 0.01 grain per dry standard cubic foot (gr/dscf) of particulate emissions for the 4-wide and Roofing Line process dust collectors. These process dust collectors control the following emissions units:

4-Wide Process Dust Collector

P916 - Mat Unwind #2;
P907 - Asphalt Filler Mixer #2;
P909 - Material Surfacing Applicator #2;
P918 - Surfacing Material System #1; and
F922 - Surfacing Material System #2;

Roofing Line Process Dust Collector

P904 - Mineral Filler Handling System #2;
P905 - Material Surfacing Applicator #1; and
P909 - Material Surfacing Applicator #2.

A. State and Federally Enforceable Section (continued)

5. In order to comply with the air dispersion modeling requirements from the federal Prevention of Significant Deterioration rules and OAC rules 3745-31-13 through 3745-31-20, the following exhaust stack requirements shall be maintained:

a. exhaust stack from the JZ thermal incinerator (egress point A43) that serves emissions units T007 - T009, T026, T029, T031 - T033, T036, T037, and P003 - P005 shall be at least 130 feet above ground level and be in compliance with all variables associated with that exhaust stack that demonstrated compliance with those requirements;

b. exhaust stack from the asphalt pre-heater (egress point A42A) that serves emissions unit B006 shall be at least 35 feet above ground level and be in compliance with all variables associated with that exhaust stack that demonstrated compliance with those requirements;

c. exhaust stack from the PCC thermal incinerator (egress point A74A) that serves emissions units T027, T030, T035, J005, P006, and P007 shall be at least 135 feet above ground level and be in compliance with all variables associated with that exhaust stack that demonstrated compliance with those requirements; and

d. exhaust stack from the emergency generator (egress points A105 and A106) that serves emissions unit B014 shall be at least 45 feet above ground level and be in compliance with all variables associated with that exhaust stack that demonstrated compliance with those requirements.

6. The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the U.S. EPA in 40 CFR Part 60:

Source Number	Source Description	NSPS Regulation(s)
P003	Convertor #2	UU
P006	Convertor #4	UU
P007	Convertor #5	UU
P902	Mineral Filler Handling System #1	UU
P906	Asphalt Coater/Surge Tank #1	UU
P908	Asphalt Coater/Surge Tank #2	UU
T007	Asphalt Storage Tank #50	UU & Kb
T035	Asphalt Storage Tank #46	UU & Kb
T036	Asphalt Storage Tank #69	UU & Kb
T037	Asphalt Storage Tank #70	UU & Kb
T038	Mineral Spirits Storage Tank #68	Kb

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

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

a. construction date (no later than 30 days after such date);
b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
c. actual start-up date (within 15 days after such date); and
d. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

A. State and Federally Enforceable Section (continued)

Ohio Environmental Protection Agency
DAPC - Air Quality Modeling and Planning
P.O. Box 1049
Columbus, OH 43216-1049

and

Akron Regional Air Quality Management District
Room 904
146 South High Street
Akron, OH 44308

7. The permittee shall not combust any no. 2 distillate fuel oil within the entire facility (in B002 - B014, B101 - B107, F102 - F109, J001 - J006, K001 - K002, L001, P003 - P007, P102 - P103, P901 - P902, P904 - P919, T001, T004 - T023, and T026 - T050) that has a sulfur content greater than 0.3% by weight.

8. The maximum annual operating hours for the firing of no. 2 distillate fuel oil in each of emissions units Boiler #1 (B004), Boiler #2 (B002), Hot Oil Heater #5 (B107), and the two heaters on Asphalt Storage Tank #46 (B011 and B012) shall not exceed 500 hours per year, based upon a rolling, 12-month summation of the operating hours. The permittee has existing operation records and, therefore, does not need to be limited to first year monthly operating hours amounts.

9. The permittee shall maintain monthly records of the operating hours for the firing of no. 2 distillate fuel oil in each of emissions units Boiler #1 (B004), Boiler #2 (B002), Hot Oil Heater #5 (B107), and the two heaters on Asphalt Storage Tank #46 (B011 and B012).

10. The permittee shall maintain records of all the oil burned at this facility in accordance with either Alternative 1 or Alternative 2 described below.

a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Director.

11. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month operating hours limitations. These reports are due by the dates described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

A. State and Federally Enforceable Section (continued)

12. The following insignificant emissions units are located at this facility:

B002 - boiler #2;
B003 - boiler #3;
B004 - boiler #1;
B005 - boiler #4;
B013 - emergency generator #1;
B014 - emergency generator #2;
B101 - asphalt preheater #1;
B102 - asphalt preheater #2;
B104 - hot oil heater #1;
B105 - hot oil heater #2;
B106 - hot oil heater #3;
B107 - hot oil heater #5;
B108 - asphalt preheater #3;
P102 - ink jet printer #1; and
P103 - ink jet printer #2.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

13. The permittee shall notify the Director (the Akron RAQMD) in writing of any record that shows a deviation of the allowable sulfur content limitation based upon the records maintained pursuant to section A.10 above. 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 45 days after the deviation occurs.

This facility is subject to the applicable requirements of 40 CFR 82, Subpart F.

14. All asbestos renovation and demolition activities conducted at this facility shall be performed in accordance with the applicable requirements specified in 40 CFR Part 61 and OAC Chapter 3745-20.

B. State Only Enforceable Section

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

B007 - hot oil heater #4;
B008 - asphalt storage tank #25 burner;
B009 - asphalt storage tank #28 burner;
B010 - asphalt stoage tank #53 burner;
B011 - asphalt storage tank #46 burner #1;
B012 - asphalt storage tank #46 burner #2;
F102 - recyclable material storage pile;
F106 - cooling tower #1;
F107 - cooling tower #2;
F108 - cooling tower #3;
F109 - cooling tower #4;
K101 - nailer line roller #1;
K102 - nailer line roller #2;
L001 - parts washer #1;
L101 - parts washer #2;
L102 - parts washer #3;
P923 - backdust reintroduction system;
T039 - cutter stock storage tank #16;
T040 - catalyst storage tank #17;
T041 - cutter stock storage tank #18;
T042 - catalyst storage tank #19;
T043 - fuel oil storage tank;
T044 - propane storage tank;
T045 - gasoline storage tank;
T046 - kerosene stoage tank;
T048 - diesel storage tank #1;
T049 - diesel storage tank #2; and
T050 - diesel storage tank #3.

B. State Only Enforceable Section (continued)

2. The permit to install for emissions units J003, J005, P003, P006 - P007, P902, P906, P908, P910, P911, P917, T007, and T035 - T038 were evaluated based on the actual materials employed and the design parameters of the emissions units' exhaust systems, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by these emissions units using data from the permit to install application and the ISCST3 model . The predicted 1-hour maximum ground-level concentration from the use of the ISCST3 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: HCl
TLV (mg/m3): 2.20 (based on 2 ppm STEL)
Modeled Emission Rate (lbs/hr): 5.906 (total)
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 22.7
MAGLC (ug/m3): 52.4 (the application presents a value of 131.6 ppm based on the 7.5 mg/m3 STEL)

Pollutant: Benzene
TLV (mg/m3): 1.60 (based on 0.5 ppm TWA)
Modeled Emission Rate (lbs/hr): 0.455 (total)
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1.8
MAGLC (ug/m3): 38.1

Pollutant: Ethyl Benzene
TLV (mg/m3): 434 (based on 100 ppm TWA)
Modeled Emission Rate (lbs/hr): 0.429 (total)
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1.7
MAGLC (ug/m3): 10,333

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

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials used, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

B. State Only Enforceable Section (continued)

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

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Preheater (B006)

Activity Description: 10.50 MMBtu/hr asphalt preheater; fires natural gas or #2 fuel oil with sulfur content of less than or equal to 0.3 percent

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
10.50 MMBtu/hr Asphalt Preheater - natural gas or no. 2 fuel oil fired	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also includes compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B)(1), 3745-18-06(D), 3745-21-08, and 3745-23-06. See A.II.1 below.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb/MMBtu of actual heat input.
	OAC rule 3745-18-06(D)	Sulfur dioxide (SO2) emissions shall not exceed 1.6 lbs/MMBtu of actual heat input.
	OAC rule 3745-21-08	None, see section A.I.2.b below.
	OAC rule 3745-23-06	None, see section A.I.2.a below.

2. Additional Terms and Conditions

2.a The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 16-02347.

2. Additional Terms and Conditions (continued)

2.b The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 16-02347.

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

II. Operational Restrictions

1. The permittee shall not combust any no. 2 distillate fuel oil in this emissions unit that has a sulfur content greater than 0.3%, by weight.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The permittee shall burn only natural gas and no. 2 distillate fuel oil in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Director.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. For each day during which the permittee burns a fuel other than natural gas or no 2 distillate fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall notify the Director (the Akron RAQMD) in writing of any record which shows a deviation of the allowable sulfur content limitation based upon the calculated sulfur content from section A.III above. The notification shall include a copy of such record and shall be sent to the Director (the Akron RAQMD) within 45 days after the deviation occurs.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas or no. 2 distillate fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

Particulate emissions shall not exceed 0.020 lb/MMBtu of actual heat input.

Applicable Compliance Method:

Compliance shall be demonstrated through stack testing in accordance with Methods 1 through 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

SO2 emissions shall not exceed 1.6 lbs/MMBtu of actual heat input.

Applicable Compliance Method:

Compliance shall be demonstrated through stack testing in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Pouring Shed (F002)

Activity Description: Pouring of asphalt into containers

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Asphalt pouring shed (pouring of finished asphalt into drums)	OAC rule 3745-17-07(B)	Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.
	OAC rule 3745-17-08(B)	The permittee shall control the pouring temperature to the lowest practical temperature to minimize or eliminate visible particulate emissions of fugitive dust.

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive emissions and visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive and/or stack particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a 3-minute average for fugitive emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Paved and Unpaved Roads (F104)

Activity Description: Paved and unpaved roads

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
paved roadways and parking areas	OAC rule 3745-17-07(B)(4)	no visible particulate emissions except for 6 minutes during any 60-minute period
	OAC rule 3745-17-08(B), (B)(8), (B)(9)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust See A.I.2.a, A.I.2.c, and A.I.2.e through A.I.2.i below.
unpaved roadways and parking areas	OAC rule 3745-17-07 (B)(5)	no visible particulate emissions except for 13 minutes during any 60-minute period
	OAC rule 3745-17-08 (B), (B)(2)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust See A.I.2.b, A.I.2.d, and A.I.2.e through A.I.2.i below.

2. Additional Terms and Conditions

2.a The paved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

paved roadways:

all

paved parking areas:

all

2. Additional Terms and Conditions (continued)

2.b The unpaved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

unpaved roadways:

all

unpaved parking areas:

all

2.c The permittee shall employ reasonably available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by sweeping at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing additional control measures to ensure compliance.

2.d The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.e The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

2.f Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.

2.g The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

2.h Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

2.i Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each of the paved roadways and parking areas in accordance with the following frequencies:

paved roadways and parking areas	minimum inspection frequency
all	weekly

unpaved roadways and parking areas	minimum inspection frequency
all	weekly

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

c. the dates the control measures were implemented; and

d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in section A.III.3.d shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:

a. each week during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

1. Compliance with the emission limitation for the paved and unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Loading Rack #1 (J001)

Activity Description: Loading of asphalt into trucks

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
asphalt loading rack #1 with a regenerative thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also includes the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), 3745-17-08(B), 3745-17-11, 3745-21-07(E), and 40 CFR Part 63, Subpart LLLLL. See A.II.3 below.
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.b below.
	OAC rule 3745-17-08(B)	The permittee shall employ overhead filling of tank-trucks to minimize or eliminate fugitive emissions.
	OAC rule 3745-17-11	11.58 lbs/hr of particulates (based on an uncontrolled mass rate of emissions for J001, J002, and J003 of 103.81 lbs/hr, and the use of Curve P-1 of Figure II)
	OAC rule 3745-21-07(E)	exempt See A.II.1 below.
	40 CFR Part 63, Subpart LLLLL	exempt Group 2 asphalt loading rack See A.II.3 below.

2. Additional Terms and Conditions

2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

II. Operational Restrictions

1. The permittee shall only load asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1))

2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature established during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

3. The permittee shall not load asphalt with a temperature of 500 degrees F or greater or with a true vapor pressure of 1.5 psia or greater.

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 63, Subpart LLLLL)

4. The permittee shall only operate two (2) of the following emissions units simultaneously: Loading Rack #1 (J001), Loading Rack #2 (J002), and Loading Rack #3 (J003).

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain documentation showing whether or not each asphalt material is a photochemically reactive material.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall maintain monthly records of the operating times of emissions units J001, J002, and J003.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The permittee shall maintain daily records that document the maximum temperature and the maximum true vapor pressure of the asphalt loaded.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator did not comply with the temperature limitation specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time when more than 2 of the following emissions units operated simultaneously: Loading Rack #1 (J001), Loading Rack #2 (J002), and Loading Rack #3 (J003).

(Authority for term OAC rule 3745-77-07(C)(1) and PTI 16-02347)

3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall notify the Director (the Akron RAQMD) in writing if a "photochemically reactive material" [as defined in OAC rule 3745-21-01(C)(5)] is employed in the emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the Akron RAQMD) within 45 days after such an occurrence.

(Authority for term: OAC rule 3745-77-07(C)(1))

5. The permittee shall notify the Director (the Akron RAQMD) in writing if asphalt with a temperature of 500 degrees F or greater or with a true vapor pressure of 1.5 psia or greater is employed in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the Akron RAQMD) within 45 days after such an occurrence.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:

20% opacity as a 6-minute average, for stack emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

20% opacity as a 3-minute average for fugitive emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.c Emission Limitation:

11.58 lbs/hr of particulates

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 through 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Loading Rack #2 (J002)

Activity Description: Loading of asphalt into trucks

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
asphalt loading rack #2 with a regenerative thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also includes the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), 3745-17-08(B), 3745-17-11, 3745-21-07(E), and 40 CFR Part 63, Subpart LLLLL. See A.II.3 below.
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.b below.
	OAC rule 3745-17-08(B)	The permittee shall employ overhead filling of tank-trucks to minimize or eliminate fugitive emissions.
	OAC rule 3745-17-11	11.58 lbs/hr of particulates (based on an uncontrolled mass rate of emissions for J001, J002, and J003 of 103.81 lbs/hr, and the use of Curve P-1 of Figure II)
	OAC rule 3745-21-07(E)	exempt See A.II.1 below.
	40 CFR Part 63, Subpart LLLLL	exempt Group 2 asphalt loading rack See A.II.3 below.

2. Additional Terms and Conditions

2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

II. Operational Restrictions

1. The permittee shall only load asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1))

2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature established during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

3. The permittee shall not load asphalt with a temperature of 500 degrees F or greater or with a true vapor pressure of 1.5 psia or greater.

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 63, Subpart LLLLL)

4. The permittee shall only operate two (2) of the following emissions units simultaneously: Loading Rack #1 (J001), Loading Rack #2 (J002), and Loading Rack #3 (J003).

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain documentation showing whether or not each asphalt material is a photochemically reactive material.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall maintain monthly records of the operating times of emissions units J001, J002, and J003.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The permittee shall maintain daily records that document the maximum temperature and the maximum true vapor pressure of the asphalt loaded.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator did not comply with the temperature limitation specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time when more than 2 of the following emissions units operated simultaneously: Loading Rack #1 (J001), Loading Rack #2 (J002), and Loading Rack #3 (J003).

(Authority for term OAC rule 3745-77-07(C)(1) and PTI 17-02347)

3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall notify the Director (the Akron RAQMD) in writing if a "photochemically reactive material" [as defined in OAC rule 3745-21-01(C)(5)] is employed in the emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the Akron RAQMD) within 45 days after such an occurrence.

(Authority for term: OAC rule 3745-77-07(C)(1))

5. The permittee shall notify the Director (the Akron RAQMD) in writing if asphalt with a temperature of 500 degrees F or greater or with a true vapor pressure of 1.5 psia or greater is employed in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the Akron RAQMD) within 45 days after such an occurrence.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:

20% opacity as a 6-minute average, for stack emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

20% opacity as a 3-minute average for fugitive emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.c Emission Limitation:

11.58 lbs/hr of particulates

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 through 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Loading Rack #3 (J003)

Activity Description: Loading of asphalt into trucks

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Asphalt Loading Rack #3 controlled with regenerative thermal incinerator that is operated with electricity rather than fossil fuel	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also includes compliance with the requirements of OAC rules 3745-21-07(E), 3745-31-13 thru 3745-31-20, 3745-31-05(C), and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 4.68 lbs/hr. Sulfur dioxide (SO2) emissions shall not exceed 0.58 lb/hr. Carbon monoxide (CO) emissions shall not exceed 0.25 lb/hr. Hydrogen sulfide (H2S) emissions shall not exceed 0.03 lb/hr. Volatile organic compound (VOC) emissions shall not exceed 16.60 lbs/hr. The hourly emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limitations.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The destruction efficiency shall not be less than 95% for PE/PM-10 and H2S. Visible particulate emissions from the exhaust stack shall not exceed 10% opacity, as a 6-minute average. The destruction efficiency shall not be less than 95% for CO and VOC.
	OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)(1) OAC rule 3745-18-06	The emission limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(E)	Exempt. See A.II.3 below.
	OAC rules 3745-31-13 thru 3745-31-20	The emissions per rolling, 12-month period shall not exceed: CO - 0.17 tpy VOC - 6.42 tpy SO2 - 0.39 tpy
	OAC rule 3745-31-05(C)	The total amount of asphalt loaded from this emissions unit shall not exceed 87,500 tons per year, as a rolling, 12-month summation. The emissions per rolling, 12-month period shall not exceed: PE/PM-10 - 1.81 tpy H2S - 0.02 tpy See A.II.2 below.
	40 CFR Part 63, Subpart LLLLL	Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent. The compliance date for this requirement is May 1, 2006.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall only operate two (2) of the following emissions units simultaneously: J001, J002, and J003.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The asphalt throughput for this emissions unit shall not exceed 87,500 tons per year, based upon a rolling, 12-month summation of the monthly asphalt throughputs. The permittee has existing asphalt production records and, therefore, does not need to be limited to first year monthly asphalt throughput amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

3. The permittee shall only load asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

4. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

5. The operating range for the vacuum manifold static pressure shall be continuously maintained within the normal established operating range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. The permittee shall maintain documentation showing whether or not each asphalt material is a photochemically reactive material.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall maintain monthly records of the following information:

a. the asphalt throughput rate, in tons, for each month;

b. the operating times for emissions units J001, J002, and J003;

c. the PE/PM-10, H2S, CO, VOC, and SO2 emissions, in tons, for each month based upon the results of the latest stack test;

d. the rolling, 12-month summation of the monthly asphalt throughput rates, in tons; and

e. the rolling, 12-month summation of the PE/PM-10, H2S, CO, VOC, and SO2 emissions rates, in tons.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The permittee shall operate and maintain a continuous monitor and recorder which measures the static pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modification deemed necessary by the permittee. Exceedance of the normal operating static pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

The permittee shall maintain monthly records which show the date(s) and time(s) when the vacuum manifold static pressure falls below normal operating levels.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

5. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

6. Beginning May 1, 2006, the permittee shall maintain records of combustion zone temperature data along with the 3-hour averages.

(Authority for term: 40 CFR 63.8694(c))

III. Monitoring and/or Record Keeping Requirements (continued)

7. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c). The permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

8. For each temperature monitoring device, the permittee must meet the requirements in section A.III.7 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator;

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

9. As an option to installing the CPMS specified in section A.III.7, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

III. Monitoring and/or Record Keeping Requirements (continued)

10. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

11. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

12. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

13. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j))

IV. Reporting Requirements

1. The permittee shall notify the Director (the Akron RAQMD) in writing if a "photochemically reactive material" [as defined in OAC rule 3745-21-01(C)(5)] is employed in the emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the Akron RAQMD) within 45 days after such an occurrence.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that identify the following information:

a. all periods of time when more than 2 of the following emissions units operated simultaneously: J001, J002, and J003;

b. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator did not comply with the temperature limitations specified above;

c. all exceedances of the rolling, 12-month asphalt throughput limitation;

d. all exceedances of the rolling, 12-month emissions limitations; and

e. all periods of time during which the static pressure in the vacuum manifold exceeded the normal operating range.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

3. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The permittee shall also submit annual reports that specify the total PE/PM-10, SO2, CO, VOC, and H2S emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15th of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Reports.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

5. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined static pressure normal operating range, in inches of water, for the vacuum manifold.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

6. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

7. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 21. The compliance reports must be postmarked or delivered no later than July 21 or January 21, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term: 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

Visible particulate emissions from the exhaust stack shall not exceed 10% opacity, as a 6-minute average.

Applicable compliance methods:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.b Emission Limitations:

4.68 lbs/hr of PE/PM-10
1.81 tons per year of PE/PM-10, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitations shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.04 PE/PM-10 lb/ton of asphalt produced) x (87,500 tons/yr) x (1 ton/2000 lbs) = 1.81 tpy PE/PM-10

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.c Emission Limitations:

0.58 lb/hr of SO2
0.39 ton per year of SO2, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.0089 SO2 lb/ton of asphalt produced) x (87,500 tons/yr) x (1 ton/2000 lbs) = 0.39 tpy SO2

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.d Emission Limitations:

0.25 lb/hr of CO
0.17 ton per year of CO, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.0039 CO lb/ton of asphalt produced) x (87,500 tons/yr) x (1 ton/2000 lbs) = 0.17 tpy CO

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.e Emission Limitations:

16.60 lbs/hr of VOC
6.42 tons per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.1466 VOC lb/ton of asphalt produced) x (87,500 tons/yr) x (1 ton/2000 lbs)
= 6.42 tpy VOC

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.f Emission Limitations:

0.03 lb/hr of H2S
0.02 ton per year of H2S, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.0004 H2S lb/ton of asphalt produced) x (87,500 tons/yr) x (1 ton/2000 lbs) = 0.02 tpy H2S

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.g Emission Limitation:

Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent.

Applicable Compliance Method:

To determine compliance with the total hydrocarbon percent reduction standard, use Equations 3 and 4 of this section as follows:

RE = [(Mthci - Mthco) / (Mthci)] * 100 (Eq. 3)

where:

RE = Emission reduction efficiency, percent;

Mthci = Mass flow rate of total hydrocarbons entering the control device, kilograms per hour, determined using Equation 4; and

Mthco = Mass flow rate of total hydrocarbons exiting the control device, kilograms per hour, determined using Equation 4.

Mthc = C * Q * K (Eq. 4)

where:

Mthc = Total hydrocarbon emission rate, kilograms per hour;

C = Concentration of total hydrocarbons on a dry basis, parts per million by volume (ppmv), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

Q = Vent gas stream flow rate (dscmm) at a temperature of 20 degrees C as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

K = Unit conversion constant (3.00E-05) (ppmv)^-1 (gram-mole/standard cubic meter) (kilogram/gram) (minutes/hour)), where standard temperature for gram-mole/standard cubic meter is 20 degrees C.

V. Testing Requirements (continued)

To determine compliance with the combustion efficiency standard, Equation 5 of this section must be used, as follows:

$CE = [1 - (CO / CO_2) - (THC / CO_2)]$ (Eq. 5)

where:

CE = Combustion efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO_2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

To determine compliance with the total hydrocarbon destruction efficiency standard for a combustion device that does not use auxiliary fuel, Equation 6 of this section must be used, as follows:

$THC\ DE = [(CO + CO_2) / (CO + CO_2 + THC)]$ (Eq. 6)

where:

THC DE = THC destruction efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO_2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e))

V. Testing Requirements (continued)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration, except for the organic testing which shall be conducted no later than 180 days after the compliance date for 40 CFR Part 63, Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates and opacity limitation.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates and opacity limitation:

for opacity, Method 9 of 40 CFR Part 60, Appendix A;

for PE, Methods 1 thru 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 thru 5 and 201 of 40 CFR Part 60, Appendix A;

for H2S, Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 thru 4 and 6 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 thru 4 and 10 or 10B of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 thru 4 and 18 or 25/25A, as appropriate, of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Loading Rack #4 (J005)

Activity Description: Loading of asphalt into trucks

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Asphalt Loading Rack #4 controlled with PCC thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also includes compliance with the requirements of OAC rules 3745-21-07(E), 3745-31-(13) thru (20), 3745-31-05(C), and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 5.44 lbs/hr. Sulfur dioxide (SO2) emissions shall not exceed 1.16 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 0.50 lb/hr. Hydrogen sulfide (H2S) emissions shall not exceed 0.07 lb/hr. Volatile organic compound (VOC) emissions shall not exceed 19.29 lbs/hr. The hourly emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limitations. The destruction efficiency shall not be less than 95% for PE/PM-10 and H2S.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		PE emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 0.17 pound per hour and 0.76 ton per year, as a rolling, 12-month summation. NOx emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 1.73 pounds per hour and 7.56 tons per year, as a rolling, 12-month summation. SO2 emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 3.68 pounds per hour and 16.11 tons per year, as a rolling, 12-month summation. CO emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 0.99 pound per hour and 4.33 tons per year, as a rolling, 12-month summation. OC emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling J005, P006 - P007, T027, T030, and T035 shall not exceed 0.06 pound per hour and 0.28 ton per year, as a rolling, 12-month summation. Visible particulate emissions from the exhaust stack shall not exceed 10% opacity, as a 6-minute average. The destruction efficiency shall not be less than 95% for CO and VOC.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)(1) OAC rule 3745-18-06	The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(E)	Exempt See A.II.2 below.
	OAC rules 3745-31-13 thru 3745-31-20	The emissions per rolling, 12-month period shall not exceed: CO - 0.52 tpy VOC - 20.16 tpy SO2 - 1.22 tpy.
	OAC rule 3745-31-05(C)	The total amount of asphalt loaded from this emissions unit shall not exceed 275,000 tons per year, as a rolling, 12-month summation. The emissions per rolling, 12-month period shall not exceed: 5.69 tpy PE/PM-10 0.070 tpy H2S. See A.II.1 below.
	40 CFR Part 63, Subpart LLLLL	Exempt, Group 2 asphalt loading rack. The compliance date for this requirement is May 1, 2006.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The asphalt throughput for this emissions unit shall not exceed 275,000 tons per year, based upon a rolling, 12-month summation of the monthly asphalt throughputs. The permittee has existing asphalt production records and therefore does not need to be limited to first year monthly asphalt throughput amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The permittee shall only load asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

II. Operational Restrictions (continued)

3. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

4. The operating range for the vacuum manifold static pressure shall be continuously maintained within the normal established range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) andPTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain documentation showing whether or not each asphalt material is a photochemically reactive material.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The permittee shall maintain monthly records of the following information:

a. the asphalt throughput rate, in tons, for each month;

b. the PE/PM-10, H2S, CO, VOC, and SO2 emissions, in tons, (both process and products of combustion from the incinerator) for each month based upon the results of the latest stack test;

c. the rolling, 12-month summation of the monthly asphalt throughput rates, in tons; and

d. the rolling, 12-month summation of the PE/PM-10, H2S, CO, VOC, and SO2 emissions rates, in tons (both process and products of combustion from the incinerator).

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall operate and maintain a continuous monitor and recorder which measures the static pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modification deemed necessary by the permittee. Exceedance of the normal operating static pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

The permittee shall maintain monthly records which show the date(s) and time(s) when the vacuum manifold static pressure falls below normal operating levels.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall notify the Director (the Akron RAQMD) in writing if a "photochemically reactive material" [as defined in OAC rule 3745-21-01(C)(5)] is employed in the emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the Akron RAQMD) within 45 days after such an occurrence.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. The permittee shall submit quarterly deviation (excursion) reports that identify the following information:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator did not comply with the temperature limitations specified above;

b. all exceedances of the rolling, 12-month asphalt throughput limitation;

c. all exceedances of the rolling, 12-month emissions limitations (both process and products of combustion from the incinerator); and

d. all periods of time during which the static pressure in the vacuum manifold exceeded the normal operating range.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

3. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The permittee shall also submit annual reports that specify the total PE/PM-10, SO2, CO, VOC, and H2S emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15th of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Reports.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

IV. Reporting Requirements (continued)

5. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined static pressure normal operating range, in inches of water, for the vacuum manifold.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

6. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements

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

1.a Emission Limitation:

Visible particulate emissions from the exhaust stack shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.b Emission Limitations:

5.44 lbs/hr of PE/PM-10
5.69 tons per year of PE/PM-10, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.04 PE/PM-10 lb/ton of asphalt produced) x (275,000 tons/yr) x (1 ton/2000 lbs) = 5.5 tpy PE/PM-10

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.c Emission Limitations:

1.16 lbs/hr of SO2
1.22 tons per year of SO2, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.0089 SO2 lb/ton of asphalt produced) x (275,000 tons/yr) x (1 ton/2000 lbs) = 1.22 tpy SO2

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.d Emission Limitations:

0.50 lb/hr of CO
0.52 ton per year of CO, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.0039 CO lb/ton of asphalt produced) x (275,000 tons/yr) x (1 ton/2000 lbs) = 0.52 tpy CO

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.e Emission Limitations:

19.29 lbs/hr of VOC
20.16 tons per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.1466 VOC lb/ton of asphalt produced) x (275,000 tons/yr) x (1 ton/2000 lbs) = 20.16 tpy VOC

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.f Emission Limitations:

0.07 lb/hr of H2S
0.07 ton per year of H2S, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.0004 H2S lb/ton of asphalt produced) x (275,000 tons/yr) x (1 ton/2000 lbs) = 0.055 tpy H2S

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.g Emission Limitations:

0.17 lb/hr of PE (products of combustion from incinerator)
0.76 ton per year of PE, as a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable PE limitation (0.17 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.h Emission Limitations:

0.99 lb/hr of CO (products of combustion from incinerator)
4.33 tons per year of CO

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of natural gas.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (0.99 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.i Emission Limitations:

3.68 lbs/hr of SO2 (products of combustion from incinerator)
16.11 tons per year of SO2

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (3.69 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.j Emission Limitations:

0.06 lb/hr of VOC (products of combustion from incinerator)
0.28 ton per year of VOC

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of natural gas.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.06 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.k Emission Limitations:

1.73 lbs/hr of NOx (products of combustion from incinerator)
7.56 tons per year of NOx

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (1.73 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration, except for opacity testing which shall be conducted no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates (including products of combustion) and opacity limitation.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates and opacity limitation:

for PE, Methods 1 thru 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 thru 5 and 201 of 40 CFR Part 60, Appendix A;

for H2S, Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 thru 4 and 6 of 40 CFR Part 60, Appendix A;

for NOx, Methods 1 thru 4 and 7 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 thru 4 and 10 or 10B of 40 CFR Part 60, Appendix A;

for VOC, Methods 1 thru 4 and 18 or 25/25A, as appropriate, of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds; and

for opacity limitation, Method 9 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cutback Loading Rack (J006)

Activity Description: Loading of cutback asphalt into trucks

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
loading rack - cutback	OAC rule 3745-17-07(B)	See A.I.2.a below.
	OAC rule 3745-17-08	The permittee shall employ overhead filling of tank trucks to minimize or eliminate fugitive emissions.
	OAC rule 3745-21-07(E)	exempt See A.II.1 below.

2. Additional Terms and Conditions

2.a Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

II. Operational Restrictions

1. The permittee shall only load cutback asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain documentation showing whether or not each asphalt material is a photochemically reactive material.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall notify the Director (the Akron RAQMD) in writing if a "photochemically reactive material" [as defined in OAC rule 3745-21-01(C)(5)] is employed in the emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the Akron RAQMD) within 45 days after such an occurrence.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

1. Compliance with the emission limitation in section A.I.2 of these terms and conditions shall be determined in accordance with the following method:

1.a Emission Limitation:

20% opacity as a 3-minute average for fugitive emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible particulate emission observations performed in accordance with the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Convertor #2 (P003)

Activity Description: Asphalt blowing still

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Convertor #2 - asphalt blowing still with thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-23-06, 3745-31-13 through 3745-31-20, 3745-31-05(C), 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 3.07 lbs/hr Nitrogen oxides (NOx) emissions shall not exceed 2.47 lbs/hr and 10.80 tons per year. Hydrogen sulfide (H2S) emissions shall not exceed 0.15 lb/hr. Hydrogen chloride (HCl) emissions shall not exceed 4.53 lbs/hr and 14.13 tons per year. Lead emissions shall not exceed 9.18E-04 lb/hr and 4.02E-03 ton per year. Sulfur dioxide (SO2) shall not exceed 23.25 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 15.13 lbs/hr. Volatile organic compound (VOC) emissions shall not exceed 1.74 lbs/hr.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-31-05(C)	The total, annual asphalt production rate for emissions units P003, P006, and P007, combined, shall not exceed 395,312 tons per year, as a rolling, 12-month summation. The emissions per rolling, 12-month period shall not exceed: PE/PM-10 - 13.45 tpy H2S - 0.67 tpy See A.II.3 below.
	40 CFR Part 60, Subpart UU	0.60 kilogram of particulates/megagram of asphalt charged to the still (1.2 lbs/ton) 0.67 kilogram of particulates/megagram of asphalt charged to the still when a catalyst is added to the still (1.3 lbs/ton) Visible particulate emissions shall not exceed 0% opacity for the exhaust gases.
	40 CFR Part 63, Subpart LLLLL	Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent. The compliance date for this rule is May 1, 2006.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The hourly and annual emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly or annual records are required to demonstrate compliance with these limitations. Visible particulate emissions shall not exceed 0% opacity from the exhaust stack. The overall control efficiency (including capture and control) shall not be less than 95% for PE/PM-10 and H2S. PE emissions from fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.15 pound per hour and 0.64 ton per year, as a rolling, 12-month summation. NOx emissions from fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 1.47 pounds per hour and 6.43 tons per year, as a rolling, 12-month summation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		SO2 emissions from fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 3.13 pounds per hour and 13.69 tons per year, as a rolling, 12-month summation. CO emissions from fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.84 pound per hour and 3.68 tons per year, as a rolling, 12-month summation. OC emissions from fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.05 pound per hour and 0.24 ton per year, as a rolling, 12-month summation.
	OAC rule 3745-17-07(A) OAC rule 3745-17-11 OAC rule 3745-18-06	The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-21-08(B)	See A.I.2 b below.
	OAC rule 3745-23-06	See A.I.2.a below.
	OAC rules 3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: CO - 66. 26 tpy VOC - 7.61 tpy SO2 - 65.38 tpy The overall control efficiency (including capture and control) shall not be less than 95% for CO and VOC.

2. Additional Terms and Conditions

2.a The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-23-06 by committing to comply with the best available technology requirements established in Permit to Install 16-02347.

2. Additional Terms and Conditions (continued)

2.b The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 16-02347.

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

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The operating range for the vacuum manifold static pressure shall be continuously maintained within the normal established operating range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

3. The total, annual asphalt processed in emissions units P003, P006 and P007, combined, shall not exceed 395,312 tons per year, based upon a rolling, 12-month summation of the asphalt processed rates. The permittee has existing asphalt production records and therefore does not need to be limited to first year monthly asphalt throughput amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall operate and maintain a continuous monitor and recorder which measures the pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

3. The permittee shall maintain monthly records which show the date(s) and time(s) when the vacuum manifold pressure fell below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director, for review during normal business hours.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The permittee shall maintain monthly records of the following information:

a. the asphalt throughput rate, in tons, for each month;

b. the rolling, 12-month summation of the asphalt monthly throughput rates, in tons;

c. the emission rates, in tons (for both the process and the products of combustion from the incinerator) for PE/PM-10, H2S, CO, VOC, and SO2 based upon the results of the latest stack test; and

d. the rolling, 12-month summation of the PE/PM-10, H2S, CO, VOC, and SO2 emissions rates, in tons (for both the process and the products of combustion from the incinerator).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

5. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

6. Beginning May 1, 2006, the permittee shall maintain records of combustion zone temperature data along with the 3-hour averages.

(Authority for term: 40 CFR 63.8694(c))

III. Monitoring and/or Record Keeping Requirements (continued)

7. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c). The permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

8. For each temperature monitoring device, the permittee must meet the requirements in section A.III.7 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

9. As an option to installing the CPMS specified in section A.III.7, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

III. Monitoring and/or Record Keeping Requirements (continued)

10. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

11. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

12. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

13. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j)).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term A.II.1. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

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

a. all exceedances of the rolling, 12-month asphalt processing rate limitation in term A.II.3; and

b. all exceedances of the rolling, 12-month emissions limitations (for both the process and the products of combustion from the incinerator).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all times during which the pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

5. The permittee shall also submit annual reports that specify the total PE/PM-10, SO2, CO, VOC, and H2S emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15th of each year. This reporting requirements may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Reports.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

6. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined static pressure normal operating range, in inches of water, for the vacuum manifold.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

7. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

8. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term: 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

1.a Emission Limitation:

Visible particulate emissions shall not exceed 0% opacity from the exhaust stack.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.b Emission Limitations:

3.07 lbs/hr of PE/PM-10
13.45 ton per year of PE/PM-10, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitations based upon a rolling, 12-month summation was developed by multiplying the short-term allowable PE/PM-10 limitation (3.07 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.c Emission Limitations:

0.60 kilogram of particulate/megagram of asphalt charged to the still (1.2 lbs/ton)

0.67 kilogram of particulate/megagram of asphalt charged to the still when a catalyst is added to the still (1.3 lbs/ton)

Applicable Compliance Methods:

Compliance with the kilogram/megagram emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.d Emission Limitations:

23.25 lbs/hr of SO2
65.38 tons per year of SO2, based upon a rolling, 12-month summation.

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(1.40 SO2 lb/ton of asphalt produced) x (Max asphalt produced in tons/yr) x (1 ton/2000 lbs) = tpy of SO2

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.e Emission Limitations:

15.13 lbs/hr of CO
66.26 tons/yr of CO, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (15.13 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.f Emission Limitations:

2.47 lbs/hr of NOx
10.80 tons per year of NOx

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (2.47 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.g Emission Limitations:

1.74 lbs/hr of VOC
7.61 tons per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (1.74 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.h Emission Limitations:

0.15 lb/hr of H2S
0.67 ton per year of H2S, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable H2S limitation (0.15 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.i Emission Limitations:

9.18E-04 lb/hr of lead
4.02E-03 ton per year of lead

Applicable Compliance Methods:

If required, compliance shall be demonstrated by emission testing performed in accordance with the methods and procedures specified in Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable lead limitation (9.18E-04 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.j Emission Limitations:

0.15 lb/hr of PE (products of combustion from incinerator)
0.64 ton per year of PE, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable PE limitation (0.15 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.k Emission Limitations:

0.84 lb/hr of CO (products of combustion from incinerator)
3.68 tons per year of CO based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of natural gas.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (0.84 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.l Emission Limitations:

3.13 lbs/hr of SO2 (products of combustion from incinerator)
13.69 tons per year of SO2 based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (3.13 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.m Emission Limitations:

0.06 lb/hr of VOC (products of combustion from incinerator)
0.24 ton per year of VOC based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of natural gas.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.06 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.n Emission Limitations:

1.47 lbs/hr of NOx (products of combustion from incinerator)
6.43 tons per year of NOx based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (1.47 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.o Emission Limitations:

4.53 lbs/hr HCl
14.13 tons per year of HCl

Applicable Compliance Method:

Compliance shall be demonstrated by emission tests performed in accordance with the methods and procedures specified in Methods 1 thru 4 and 26 or 26A of 40 CFR Part 60, Appendix A.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.294 HCl lb/ton of asphalt produced) x (Max asphalt produced in tons/yr) x (1 ton/2000 lbs) = tpy of HCl

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.p Emission Limitation:

Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent.

Applicable Compliance Method:

To determine compliance with the total hydrocarbon percent reduction standard, use Equations 3 and 4 of this section as follows:

RE = [(Mthci - Mthco) / (Mthci)] * 100 (Eq. 3)

where:

RE = Emission reduction efficiency, percent;

Mthci = Mass flow rate of total hydrocarbons entering the control device, kilograms per hour, determined using Equation 4; and

Mthco = Mass flow rate of total hydrocarbons exiting the control device, kilograms per hour, determined using Equation 4.

Mthc = C * Q * K (Eq. 4)

where:

Mthc = Total hydrocarbon emission rate, kilograms per hour;

C = Concentration of total hydrocarbons on a dry basis, parts per million by volume (ppmv), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

Q = Vent gas stream flow rate (dscmm) at a temperature of 20 degrees C as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

K = Unit conversion constant (3.00E-05) (ppmv)^-1 (gram-mole/standard cubic meter) (kilogram/gram) (minutes/hour)), where standard temperature for gram-mole/standard cubic meter is 20 degrees C.

V. Testing Requirements (continued)

To determine compliance with the combustion efficiency standard, Equation 5 of this section must be used, as follows:

$CE = [1 - (CO / CO_2) - (THC / CO_2)]$ (Eq. 5)

where:

CE = Combustion efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO_2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

To determine compliance with the total hydrocarbon destruction efficiency standard for a combustion device that does not use auxiliary fuel, Equation 6 of this section must be used, as follows:

$THC\ DE = [(CO + CO_2) / (CO + CO_2 + THC)]$ (Eq. 6)

where:

THC DE = THC destruction efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO_2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e))

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit expiration, except for organic testing which shall be conducted no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) (including products of combustion).

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) and opacity limitation:

for opacity, Method 9 of 40 CFR Part 60, Appendix A;

for PE, Methods 1 thru 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 thru 5 and 201 of 40 CFR Part 60, Appendix A;

for H2S, Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 thru 4 and 6 of 40 CFR Part 60, Appendix A;

for NOx, Methods 1 thru 4 and 7 of 40 CFR part 60, Appendix A;

for CO, Methods 1 thru 4 and 10 or 10B of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 thru 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Convertor #3 (P004)

Activity Description: Asphalt blowing still

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
converter #3 with thermal incinerator	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-11	12.10 lbs/hr of particulates (based on an UMRE for P003, P004, and P005 of 111.09 lbs/hr, and Curve P-1 of Figure II)
	40 CFR Part 60, Subpart UU	0.60 kilogram of particulates per megagram of asphalt charged to the still during blowing 0.67 kilogram of particulates per megagram of asphalt charged to the still when a catalyst is added to the still 0% opacity for the exhaust gases
	40 CFR Part 63, Subpart LLLLL	Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent. The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a The visible particulate emission limitation based on OAC rule 3745-17-07 is less stringent than the visible particulate emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. Beginning May 1, 2006, the permittee shall maintain records of combustion zone temperature data along with the 3-hour averages.

(Authority for term: 40 CFR 63.8694(c))

III. Monitoring and/or Record Keeping Requirements (continued)

4. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c). The permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

5. For each temperature monitoring device, the permittee must meet the requirements in section A.III.4 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

6. As an option to installing the CPMS specified in section A.III.4, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

III. Monitoring and/or Record Keeping Requirements (continued)

7. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

8. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

9. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

10. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j)).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator did not comply with the temperature limitations specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

4. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

1.a Emission Limitation:

12.1 lbs/hr of particulates

0.60 kilogram of particulates per megagram of asphalt charged to the the still during blowing

0.67 kilogram of particulates per megagram of asphalt charged to the still when a catalyst is added to the still

Applicable Compliance Method:

Compliance with the lbs/hr and kilogram/megagram emission limitations shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

0% opacity for the exhaust gases

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission observations performed in accordance with the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.c Emission Limitation:

Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent.

Applicable Compliance Method:

To determine compliance with the total hydrocarbon percent reduction standard, use Equations 3 and 4 of this section as follows:

RE = [(Mthci - Mthco) / (Mthci)] * 100 (Eq. 3)

where:

RE = Emission reduction efficiency, percent;

Mthci = Mass flow rate of total hydrocarbons entering the control device, kilograms per hour, determined using Equation 4; and

Mthco = Mass flow rate of total hydrocarbons exiting the control device, kilograms per hour, determined using Equation 4.

Mthc = C * Q * K (Eq. 4)

where:

Mthc = Total hydrocarbon emission rate, kilograms per hour;

C = Concentration of total hydrocarbons on a dry basis, parts per million by volume (ppmv), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

Q = Vent gas stream flow rate (dscmm) at a temperature of 20 degrees C as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

K = Unit conversion constant (3.00E-05) (ppmv)^-1 (gram-mole/standard cubic meter) (kilogram/gram) (minutes/hour)), where standard temperature for gram-mole/standard cubic meter is 20 degrees C.

V. Testing Requirements (continued)

To determine compliance with the combustion efficiency standard, Equation 5 of this section must be used, as follows:

CE = [1 - (CO / CO2) - (THC / CO2)] (Eq. 5)

where:

CE = Combustion efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

To determine compliance with the total hydrocarbon destruction efficiency standard for a combustion device that does not use auxiliary fuel, Equation 6 of this section must be used, as follows:

THC DE = [(CO + CO2) / (CO + CO2 + THC)] (Eq. 6)

where:

THC DE = THC destruction efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e))

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A and the procedures in 40 CFR Part 60.474, as applicable. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Convertor #1 (P005)

Activity Description: Asphalt blowing still; used to be called Convertor #4

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Convertor #1 with thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-420)	28.84 tpy of particulates The requirements of this rule also includes compliance with the requirements of OAC rule 3745-17-11, 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL.
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-11	12.10 lbs/hr of particulates (based on an UMRE for P003, P004, and P005 of 111.09 lbs/hr, and Curve P-1 of Figure II)
	40 CFR Part 60, Subpart UU	0.60 kilogram of particulates per megagram of asphalt charged to the still during blowing 0.67 kilogram of particulates per megagram of asphalt charged to the still when a catalyst is added to the still 0% opacity for the exhaust gases
	40 CFR Part 63, Subpart LLLLL	Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent. The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a The visible particulate emission limitation based on OAC rule 3745-17-07 is less stringent than the visible particulate emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. Beginning May 1, 2006, the permittee shall maintain records of combustion zone temperature data along with the 3-hour averages.

(Authority for term: 40 CFR 63.8694(c))

III. Monitoring and/or Record Keeping Requirements (continued)

4. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c). The permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

5. For each temperature monitoring device, the permittee must meet the requirements in section A.III.4 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

6. As an option to installing the CPMS specified in section A.III.4, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

III. Monitoring and/or Record Keeping Requirements (continued)

7. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

8. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

9. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

10. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j)).

11. The permittee shall maintain a monthly record of the hours of operation for this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator did not comply with the temperature limitations specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

1.a Emission Limitation:

12.10 lbs/hr of particulates

0.60 kilogram of particulates per megagram of asphalt charged to the the still during blowing

0.67 kilogram of particulates per megagram of asphalt charged to the still when a catalyst is added to the still

Applicable Compliance Method:

Compliance with the lbs/hr and kilogram/megagram emission limitations shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

0% opacity for the exhaust gases

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission observations performed in accordance with the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

28.84 tpy of particulates

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the results of the most recent stack test (in lbs/hr of particulates) by the actual hours of operation per year, and then dividing by 2,000 lbs/ton.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.d Emission Limitation:

Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent.

Applicable Compliance Method:

To determine compliance with the total hydrocarbon percent reduction standard, use Equations 3 and 4 of this section as follows:

RE = [(Mthci - Mthco) / (Mthci)] * 100 (Eq. 3)

where:

RE = Emission reduction efficiency, percent;

Mthci = Mass flow rate of total hydrocarbons entering the control device, kilograms per hour, determined using Equation 4; and

Mthco = Mass flow rate of total hydrocarbons exiting the control device, kilograms per hour, determined using Equation 4.

Mthc = C * Q * K (Eq. 4)

where:

Mthc = Total hydrocarbon emission rate, kilograms per hour;

C = Concentration of total hydrocarbons on a dry basis, parts per million by volume (ppmv), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

Q = Vent gas stream flow rate (dscmm) at a temperature of 20 degrees C as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

K = Unit conversion constant (3.00E-05) (ppmv)^-1 (gram-mole/standard cubic meter) (kilogram/gram) (minutes/hour)), where standard temperature for gram-mole/standard cubic meter is 20 degrees C.

V. Testing Requirements (continued)

To determine compliance with the combustion efficiency standard, Equation 5 of this section must be used, as follows:

CE = [1 - (CO / CO2) - (THC / CO2)] (Eq. 5)

where:

CE = Combustion efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

To determine compliance with the total hydrocarbon destruction efficiency standard for a combustion device that does not use auxiliary fuel, Equation 6 of this section must be used, as follows:

THC DE = [(CO + CO2) / (CO + CO2 + THC)] (Eq. 6)

where:

THC DE = THC destruction efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e))

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A and the procedures in 40 CFR Part 60.474, as applicable. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Convertor #4 (P006)

Activity Description: Asphalt blowing still; used to be called Convertor #5

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Convertor #4 - asphalt blowing still with a PCC thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-23-06, 3745-31-13 through 3745-31-20, 3745-31-05(C), 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 3.57 lbs/hr Nitrogen oxides (NOx) emissions shall not exceed 2.85 lbs/hr and 12.49 tons per year. Hydrogen sulfide (H2S) emissions shall not exceed 0.18 lb/hr. Hydrogen chloride (HCl) emissions shall not exceed 5.27 lbs/hr and 16.44 tons per year. Lead emissions shall not exceed 1.06E-03 lb/hr and 4.66E-03 ton per year. Sulfur dioxide (SO2) shall not exceed 26.93 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 17.60 lbs/hr. Volatile organic compound (VOC) emissions shall not exceed 2.02 lbs/hr.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The hourly and annual emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly or annual records are required to demonstrate compliance with these limitations. Visible particulate emissions shall not exceed 0% opacity from the exhaust stack. The overall control efficiency (including capture and control) shall not be less than 95% for PE/PM-10 and H2S. PE emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 0.17 pound per hour and 0.76 ton per year, as a rolling, 12-month summation. NOx emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 1.73 pounds per hour and 7.56 tons per year, as a rolling, 12-month summation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		SO2 emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 3.68 pounds per hour and 16.11 tons per year, as a rolling, 12-month summation. CO emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 0.99 pound per hour and 4.33 tons per year, as a rolling, 12-month summation. OC emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling J005, P006 - P007, T027, T030, and T035 shall not exceed 0.06 pound per hour and 0.28 ton per year, as a rolling, 12-month summation. The overall control efficiency (including capture and control) shall not be less than 95% for CO and VOC.
	OAC rule 3745-17-07(A) OAC rule 3745-17-11 OAC rule 3745-18-06	The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-21-08(B)	See A.I.2 b below.
	OAC rule 3745-23-06	See A.I.2.a below.
	OAC rules 3745-31-13 through 3745-31-20	
	OAC rule 3745-31-05(C)	The total, annual asphalt production rate for emissions units P003, P006, and P007, combined, shall not exceed 395,312 tons per year, as a rolling, 12-month summation. The emissions per rolling, 12-month period shall not exceed: PE/PM-10 - 15.64 tpy H2S - 0.78 tpy See A.II.3 below.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 60, Subpart UU	0.60 kilogram of particulates/megagram of asphalt charged to the still (1.2 lbs/ton) 0.67 kilogram of particulates/megagram of asphalt charged to the still when a catalyst is added to the still (1.3 lbs/ton) Visible particulate emissions shall not exceed 0% opacity for the exhaust gases.
	40 CFR Part 63, Subpart LLLLL	Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent. The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-23-06 by committing to comply with the best available technology requirements established in Permit to Install 16-02347.

2.b The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 16-02347.

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

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The operating range for the vacuum manifold static pressure shall be continuously maintained within the normal established operating range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

II. Operational Restrictions (continued)

3. The total, annual asphalt processed in emissions units P003, P006 and P007, combined, shall not exceed 395,312 tons per year, based upon a rolling, 12-month summation of the asphalt processed rates. The permittee has existing asphalt production records and therefore does not need to be limited to first year monthly asphalt throughput amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and,

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. The permittee shall operate and maintain a continuous monitor and recorder which measures the pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

3. The permittee shall maintain monthly records which show the date(s) and time(s) when the vacuum manifold pressure fell below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director, for review during normal business hours.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The permittee shall maintain monthly records of the following information:

a. the asphalt throughput rate, in tons, for each month;

b. the rolling, 12-month summation of the asphalt monthly throughput rates, in tons;

c. the emission rates, in tons (for both the process and the products of combustion from the incinerator) for PE/PM-10, H2S, CO, VOC, and SO2; and

d. the rolling, 12-month summation of the PE/PM-10, H2S, CO, VOC, and SO2 emissions rates, in tons (for both the process and the products of combustion from the incinerator).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements (continued)

5. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

6. Beginning May 1, 2006, the permittee shall maintain records of combustion zone temperature data along with the 3-hour averages.

(Authority for term: 40 CFR 63.8694(c))

7. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c). The permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

III. Monitoring and/or Record Keeping Requirements (continued)

8. For each temperature monitoring device, the permittee must meet the requirements in section A.III.7 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

9. As an option to installing the CPMS specified in section A.III.7, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

10. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

III. Monitoring and/or Record Keeping Requirements (continued)

11. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

12. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

13. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j)).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term A.II.1. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

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

a. all exceedances of the rolling, 12-month asphalt processing rate limitation in term A.II.3; and

b. all exceedances of the rolling, 12-month emissions limitations (for both the process and the products of combustion from the incinerator).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all times during which the pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

5. The permittee shall also submit annual reports that specify the total PE/PM-10, SO2, CO, VOC, and H2S emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15th of each year. This reporting requirements may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Reports.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

IV. Reporting Requirements (continued)

6. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined static pressure normal operating range, in inches of water, for the vacuum manifold.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

7. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

8. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term: 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

1.a Emission Limitation:

Visible particulate emissions shall not exceed 0% opacity from the exhaust stack.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.b Emission Limitations:

3.57 lbs/hr of PE/PM-10
15.64 ton per year of PE/PM-10, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable PE/PM-10 limitation (3.57 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.c Emission Limitations:

0.60 kilogram of particulates/megagram of asphalt charged to the still (1.2 lbs/ton)

0.67 kilogram of particulates/megagram of asphalt charged to the still when a catalyst is added to the still (1.3 lbs/ton)

Applicable Compliance Methods:

Compliance with the kilogram/megagram emission limitations shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.d Emission Limitations:

26.93 lbs/hr of SO2
75.55 tons per year of SO2, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(1.40 SO2 lb/ton of asphalt produced) x (Max asphalt produced in tons/yr) x (1 ton/2000 lbs) = tpy of SO2

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.e Emission Limitations:

17.60 lbs/hr of CO
77.10 tons/yr of CO, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (17.60 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.f Emission Limitations:

2.85 lbs/hr of NOx
12.49 tons per year of NOx

Applicable Compliance Methods:

If required, compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (2.85 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.g Emission Limitations:

2.02 lbs/hr of VOC
8.85 tons per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (2.02 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.h Emission Limitations:

0.18 lb/hr of H2S
0.78 ton per year of H2S, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable H2S limitation (0.18 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.i Emission Limitations:

1.06E-03 lb/hr of lead
4.66E-03 ton per year of lead

Applicable Compliance Methods:

Compliance shall be demonstrated by emission testing performed in accordance with the methods and procedures specified in Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable lead limitation (1.06E-03 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.j Emission Limitations:

0.17 lb/hr of PE (products of combustion from incinerator)
0.76 ton per year of PE, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.20 PE lb/ton of asphalt produced) x (Max asphalt produced in tons/yr) x (1 ton/2000 lbs) = tpy of PE

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.k Emission Limitations:

0.99 lb/hr of CO (products of combustion from incinerator)
4.33 tons per year of CO based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of natural gas.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (0.99 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.l Emission Limitations:

3.68 lbs/hr of SO2 (products of combustion from incinerator)
16.11 tons per year of SO2 based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (3.68 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.m Emission Limitations:

0.06 lb/hr of VOC (products of combustion from incinerator)
0.28 ton per year of VOC based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of natural gas.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.06 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.n Emission Limitations:

1.73 lbs/hr of NOx (products of combustion from incinerator)
7.56 tons per year of NOx based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (1.73 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.o Emission Limitations:

5.27 lbs/hr HCl
16.44 tons per year of HCl

Applicable Compliance Method:

Compliance shall be demonstrated by emission tests performed in accordance with the methods and procedures specified in Methods 1 thru 4 and 26 or 26A of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable HCl limitation (5.27 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.p Emission Limitation:

Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent.

Applicable Compliance Method:

To determine compliance with the total hydrocarbon percent reduction standard, use Equations 3 and 4 of this section as follows:

RE = [(Mthci - Mthco) / (Mthci)] * 100 (Eq. 3)

where:

RE = Emission reduction efficiency, percent;

Mthci = Mass flow rate of total hydrocarbons entering the control device, kilograms per hour, determined using Equation 4; and

Mthco = Mass flow rate of total hydrocarbons exiting the control device, kilograms per hour, determined using Equation 4.

Mthc = C * Q * K (Eq. 4)

where:

Mthc = Total hydrocarbon emission rate, kilograms per hour;

C = Concentration of total hydrocarbons on a dry basis, parts per million by volume (ppmv), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

Q = Vent gas stream flow rate (dscmm) at a temperature of 20 degrees C as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

K = Unit conversion constant (3.00E-05) (ppmv)^-1 (gram-mole/standard cubic meter) (kilogram/gram) (minutes/hour)), where standard temperature for gram-mole/standard cubic meter is 20 degrees C.

V. Testing Requirements (continued)

To determine compliance with the combustion efficiency standard, Equation 5 of this section must be used, as follows:

$CE = [1 - (CO / CO_2) - (THC / CO_2)]$ (Eq. 5)

where:

CE = Combustion efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO_2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

To determine compliance with the total hydrocarbon destruction efficiency standard for a combustion device that does not use auxiliary fuel, Equation 6 of this section must be used, as follows:

$THC\ DE = [(CO + CO_2) / (CO + CO_2 + THC)]$ (Eq. 6)

where:

THC DE = THC destruction efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO_2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e))

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit expiration, except for organic testing which shall be conducted no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) (including products of combustion).

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) and opacity limitation:

for opacity, Method 9 of 40 CFR Part 60, Appendix A;

for PE, Methods 1 thru 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 thru 5 and 201 of 40 CFR Part 60, Appendix A;

for H2S, Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 thru 4 and 6 of 40 CFR Part 60, Appendix A;

for NOx, Methods 1 thru 4 and 7 of 40 CFR part 60, Appendix A;

for CO, Methods 1 thru 4 and 10 or 10B of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 thru 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Convertor #5 (P007)

Activity Description: Asphalt blowing still; used to be called Convertor #6

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Convertor #5 - asphalt blowing still with a PCC thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-23-06, 3745-31-13 through 3745-31-20, 3745-31-05(C), 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 3.57 lbs/hr Nitrogen oxides (NOx) emissions shall not exceed 2.85 lbs/hr and 12.49 tons per year. Hydrogen sulfide (H2S) emissions shall not exceed 0.18 lb/hr. Hydrogen chloride (HCl) emissions shall not exceed 5.27 lbs/hr and 16.44 tons per year. Lead emissions shall not exceed 1.06E-03 lb/hr and 4.66E-03 ton per year. Sulfur dioxide (SO2) shall not exceed 26.93 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 17.60 lbs/hr. Volatile organic compound (VOC) emissions shall not exceed 2.02 lbs/hr.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The hourly and annual emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly or annual records are required to demonstrate compliance with these limitations. Visible particulate emissions shall not exceed 0% opacity from the exhaust stack. The overall control efficiency (including capture and control) shall not be less than 95% for PE/PM-10 and H2S. PE emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 0.17 pound per hour and 0.76 ton per year, as a rolling, 12-month summation. NOx emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 1.73 pounds per hour and 7.56 tons per year, as a rolling, 12-month summation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		SO2 emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 3.68 pounds per hour and 16.11 tons per year, as a rolling, 12-month summation. CO emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 0.99 pound per hour and 4.33 tons per year, as a rolling, 12-month summation. OC emissions from fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling J005, P006 - P007, T027, T030, and T035 shall not exceed 0.06 pound per hour and 0.28 ton per year, as a rolling, 12-month summation. The overall control efficiency (including capture and control) shall not be less than 95% for CO and VOC.
	OAC rule 3745-17-07(A) OAC rule 3745-17-11 OAC rule 3745-18-06	The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-21-08(B)	See A.I.2 b below.
	OAC rule 3745-23-06	See A.I.2.a below.
	OAC rules 3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: CO - 77.10 tpy VOC - 8.85 tpy SO2 - 75.55 tpy

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-31-05(C)	The total, annual asphalt production rate for emissions units P003, P006, and P007, combined, shall not exceed 395,312 tons per year, as a rolling, 12-month summation. The emissions per rolling, 12-month period shall not exceed: PE/PM-10 - 15.64 tpy H2S - 0.78 tpy See A.II.3 below.
	40 CFR Part 60, Subpart UU	0.60 kilogram of particulates/megagram of asphalt charged to the still (1.2 lbs/ton) 0.67 kilogram of particulates/megagram of asphalt charged to the still when a catalyst is added to the still (1.3 lbs/ton) Visible particulate emissions shall not exceed 0% opacity for the exhaust gases.
	40 CFR Part 63, Subpart LLLLL	Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent. The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-23-06 by committing to comply with the best available technology requirements established in Permit to Install 16-02347.

2.b The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 16-02347.

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

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The operating range for the vacuum manifold static pressure shall be continuously maintained within the normal established operating range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

3. The total, annual asphalt processed in emissions units P003, P006 and P007, combined, shall not exceed 395,312 tons per year, based upon a rolling, 12-month summation of the asphalt processed rates. The permittee has existing asphalt production records and therefore does not need to be limited to first year monthly asphalt throughput amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. The permittee shall operate and maintain a continuous monitor and recorder which measures the pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

3. The permittee shall maintain monthly records which show the date(s) and time(s) when the vacuum manifold pressure fell below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director, for review during normal business hours.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall maintain monthly records of the following information:

a. the asphalt throughput rate, in tons, for each month;

b. the rolling, 12-month summation of the asphalt monthly throughput rates, in tons;

c. the emission rates, in tons (for both the process and the products of combustion from the incinerator) for PE/PM-10, H2S, CO, VOC, and SO2; and

d. the rolling, 12-month summation of the PE/PM-10, H2S, CO, VOC, and SO2 emissions rates, in tons (for both the process and the products of combustion from the incinerator).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

5. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

6. Beginning May 1, 2006, the permittee shall maintain records of combustion zone temperature data along with the 3-hour averages.

(Authority for term: 40 CFR 63.8694(c))

7. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c). The permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

III. Monitoring and/or Record Keeping Requirements (continued)

8. For each temperature monitoring device, the permittee must meet the requirements in section A.III.7 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

9. As an option to installing the CPMS specified in section A.III.7, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

10. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

III. Monitoring and/or Record Keeping Requirements (continued)

11. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

12. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

13. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j)).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term A.II.1. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

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

a. all exceedances of the rolling, 12-month asphalt processing rate limitation in term A.II.3; and

b. all exceedances of the rolling, 12-month emissions limitations (for both the process and the products of combustion from the incinerator).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all times during which the pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

5. The permittee shall also submit annual reports that specify the total PE/PM-10, SO2, CO, VOC, and H2S emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15th of each year. This reporting requirements may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Reports.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

IV. Reporting Requirements (continued)

6. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined static pressure normal operating range, in inches of water, for the vacuum manifold.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

7. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

8. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term: 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

1.a Emission Limitation:

Visible particulate emissions shall not exceed 0% opacity from the exhaust stack.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.b Emission Limitations:

3.57 lbs/hr of PE/PM-10
15.64 ton per year of PE/PM-10, based upon a the rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable PE/PM-10 limitation (3.57 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.c Emission Limitations:

0.60 kilogram of particulates/megagram of asphalt charged to the still (1.2 lbs/ton)

0.67 kilogram of particulates/megagram of asphalt charged to the still when a catalyst is added to the still (1.3 lbs/ton)

Applicable Compliance Method:

Compliance with the kilogram/megagram emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.d Emission Limitations:

26.93 lbs/hr of SO2
75.55 tons per year of SO2, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(1.40 SO2 lbs/ton of asphalt produced) x (Max asphalt produced in tons/yr) x (1 ton/2000 lbs) = tpy of SO2

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.e Emission Limitations:

17.60 lbs/hr of CO
77.10 tons/yr of CO, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (17.60 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.f Emission Limitations:

2.85 lbs/hr of NOx
12.49 tons per year of NOx

Applicable Compliance Methods:

If required, compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (2.85 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.g Emission Limitations:

2.02 lbs/hr of VOC
8.85 tons per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (2.02 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.h Emission Limitations:

0.18 lb/hr of H2S
0.78 ton per year of H2S, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable H2S limitation (0.18 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.i Emission Limitations:

1.06E-03 lb/hr of lead
4.66E-03 ton per year of lead

Applicable Compliance Methods:

Compliance shall be demonstrated by emission testing performed in accordance with the methods and procedures specified in Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable lead limitation (1.06E-03 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.j Emission Limitations:

0.17 lb/hr of PE (products of combustion from incinerator)
0.76 ton per year of PE, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.20 PE lb/ton of asphalt produced) x (Max asphalt produced in tons/yr) x (1 ton/2000 lbs) = tpy of PE

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.k Emission Limitations:

0.99 lb/hr of CO (products of combustion from incinerator)
4.33 tons per year of CO based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of natural gas.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (0.99 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.l Emission Limitations:

3.68 lbs/hr of SO2 (products of combustion from incinerator)
16.11 tons per year of SO2 based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (3.68 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.m Emission Limitations:

0.06 lb/hr of VOC (products of combustion from incinerator)
0.28 ton per year of VOC based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of natural gas.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.06 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.n Emission Limitations:

1.73 lbs/hr of NOx (products of combustion from incinerator)
7.56 tons per year of NOx based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the thermal incinerator by the AP-42 emission factor for the combustion of fuel oil.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (1.73 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

V. Testing Requirements (continued)

1.o Emission Limitations:

5.27 lbs/hr HCl
16.44 tons per year of HCl

Applicable Compliance Method:

Compliance shall be demonstrated by emission tests performed in accordance with the methods and procedures specified in Methods 1 thru 4 and 26 or 26A of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable HCl limitation (5.27 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

1.p Emission Limitation:

Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent.

Applicable Compliance Method:

To determine compliance with the total hydrocarbon percent reduction standard, use Equations 3 and 4 of this section as follows:

RE = [(Mthci - Mthco) / (Mthci)] * 100 (Eq. 3)

where:

RE = Emission reduction efficiency, percent;

Mthci = Mass flow rate of total hydrocarbons entering the control device, kilograms per hour, determined using Equation 4; and

Mthco = Mass flow rate of total hydrocarbons exiting the control device, kilograms per hour, determined using Equation 4.

Mthc = C * Q * K (Eq. 4)

where:

Mthc = Total hydrocarbon emission rate, kilograms per hour;

C = Concentration of total hydrocarbons on a dry basis, parts per million by volume (ppmv), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

Q = Vent gas stream flow rate (dscmm) at a temperature of 20 degrees C as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

K = Unit conversion constant (3.00E-05) (ppmv)^-1 (gram-mole/standard cubic meter) (kilogram/gram) (minutes/hour)), where standard temperature for gram-mole/standard cubic meter is 20 degrees C.

V. Testing Requirements (continued)

To determine compliance with the combustion efficiency standard, Equation 5 of this section must be used, as follows:

$CE = [1 - (CO / CO_2) - (THC / CO_2)]$ (Eq. 5)

where:

CE = Combustion efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO_2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

To determine compliance with the total hydrocarbon destruction efficiency standard for a combustion device that does not use auxiliary fuel, Equation 6 of this section must be used, as follows:

$THC\ DE = [(CO + CO_2) / (CO + CO_2 + THC)]$ (Eq. 6)

where:

THC DE = THC destruction efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO_2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e))

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit expiration, except for organic testing which shall be conducted no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) (including products of combustion).

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) and opacity limitation:

for opacity, Method 9 of 40 CFR Part 60, Appendix A;

for PE, Methods 1 thru 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 thru 5 and 201 of 40 CFR Part 60, Appendix A;

for H2S, Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 thru 4 and 6 of 40 CFR Part 60, Appendix A;

for NOx, Methods 1 thru 4 and 7 of 40 CFR part 60, Appendix A;

for CO, Methods 1 thru 4 and 10 or 10B of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 thru 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Parting Agent Handling System (P901)

Activity Description: Unloading and transfer of parting agent (backdust)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
parting agent handling system - parting agent conveying and use equipment with two baghouses	OAC rule 3745-31-05(A)(3) (PTI 16-01622)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08, and 40 CFR Part 60, Subpart UU. 0.09 lb/hr of volatile organic compounds (VOC) (stack emissions) 0.26 lb/hr of PM10 (stack emissions)
	OAC rule 3745-17-07(A)	See A.I.2.c below.
	OAC rule 3745-17-07(B)	See A.I.2.c below.
	OAC rule 3745-17-08	See A.I.2.b below.
	OAC rule 3745-17-11	See A.1.2.d below.
	40 CFR Part 60, Subpart UU	1% opacity for visible emissions (fugitive and stack emissions)

2. Additional Terms and Conditions

2.a The specific operations, property, and/or equipment which constitute this emissions unit are listed below:

i. parting agent use bin #1 and #2; and

ii. belt converying and transfer of parting agent to use bin #1 and #2.

2.b The use bin shall be enclosed using hoods, fans, and other equipment to adequately enclose, contain, capture, vent and control the fugitive dust to minimize or eliminate visible particulate emissions of fugitive dust at the point(s) of capture to the extent possible with good engineering design.

2.c The visible particulate emission limitations based on OAC rule 3745-17-07(A) and 3745-17-07(B) are less stringent than the visible particulate emission limitations established pursuant to 40 CFR Part 60, Subpart UU.

2. Additional Terms and Conditions (continued)

2.d The particulate mass emission limitation based on OAC rule 3745-17-11 is less stringent than the limitation established pursuant to OAC rule 3745-31-05.

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 12.0 inches of water while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across each baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the use bin and visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across any baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust and/or stack particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

1% opacity for visible emissions
(fugitive and stack emissions)

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart UU)

1.b Emission Limitation:

0.09 lb/hr of VOC

Applicable Compliance Method:

Compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-21-10(C).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01622)

1.c Emission Limitation:

0.26 lb/hr of PM10

Applicable Compliance Method:

Compliance with this mass emission limitation shall be based on stack testing per Method 201, 40 CFR Part 51, Appendix M.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01622)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mineral Filler Handling System #1 (P902)

Activity Description: Unloading and transfer of filler for the laminate (3-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Mineral Filler Handling System #1 - Filler Upper Surge Bin #1, Filler Lower Surge Bun #1, and Filler Heater #1 Controlled with Dust Collectors (Serves 3-Wide Roofing Line)	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-08(B) and 3745-31-05(C)(5), and 40 CFR Part 60, Subpart UU. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) shall not exceed: 0.30 lb/hr (Combined Stack Emissions); 0.20 lb/hr PE/PM-10 (Upper Surge Bin #1 Dust Collector Stack); and 0.10 lb/hr PE/PM-10 (Filler Heater #1 Dust Collector Stack). The hourly emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limitations. The control efficiency of each dust collector shall not be less than 99% for PE/PM-10.
	OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-11	The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR Part 60, Subpart UU.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-08(B)	The use bins shall be adequately enclosed and vented to dust collectors.
	OAC rule 3745-31-05(C)	The PE/PM-10 emissions shall not exceed 1.23 tons per rolling, 12-month period.
	40 CFR Part 60, Subpart UU	1% opacity for visible emissions (fugitive and stack emissions)

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 8,250 hours per year, based upon a rolling, 12-month summation of the operating hours. The permittee has existing operation records and, therefore, does not need to be limited to first year monthly operating hours amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The pressure drop across each dust collector shall be maintained within the normal operating range (see section A.IV.5) while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:

a. the operating hours for each month;

b. the PE/PM-10 emissions, in tons, for each month based upon the results of the latest stack test;

c. the rolling, 12-month summation of the operating hours; and

d. the rolling, 12-month summation of the PE/PM-10 emissions, in tons.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each dust collector while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across each dust collector on a daily basis.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and any visible emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

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

a. all exceedances of the rolling, 12-month operating hours limitation; and

b. all exceedances of the rolling, 12-month PE/PM-10 emissions limitations.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each dust collector did not comply with the allowable range specified above.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The quarterly deviation reports are due by the dates specified in Part 1 - General Terms and Conditions of this permit under section (A)(1).

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The permittee shall submit annual reports that specify the total PE/PM-10 emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined normal pressure drop range, in inches of water, for each dust collector.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

6. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from both the stacks serving this emissions unit and any visible fugitive emissions and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RQAMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

1% opacity for visible emissions (fugitive and stack emissions)

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1), PTI 16-02347, and 40 CFR Part 60, Subpart UU)

1.b Emission Limitations:

0.30 lb/hr of PE/PM-10 (Combined Stack Emissions).
1.23 tons per year of PE/PM-10, based upon a rolling, 12-month summation

0.20 lb/hr PE/PM-10 (Upper Surge Bin #1 Dust Collector Stack)

0.10 lb/hr PE/PM-10 (Filler Heater #1 Dust Collector Stack)

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the tons per year limitation may be demonstrated by multiplying the maximum hourly emission limitation of 0.30 lb/hr by the actual hours of operation, and then dividing by 2000 lbs/ton.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

i. for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A; and
ii. for PM-10, Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mineral Filler Handling System #2 (P904)

Activity Description: Unloading and transfer of filler for the strip (4-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
mineral filler handling system - mineral filler conveying/transfer, use equipment, controlled with two baghouses	OAC rule 3745-31-05(A)(3) (PTI 16-01622)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08 and 40 CFR Part 60, Subpart UU. 0.09 lb/hr of volatile organic compounds (VOC) (stack emissions) 3.16 lbs/hr of PM10 (stack emissions)
	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08, and 40 CFR Part 60, Subpart UU. 0.01 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf) from the process dust collectors
	OAC rule 3745-17-07(A)	See A.I.2.f below.
	OAC rule 3745-17-07(B)	See A.I.2.f below.
	OAC rule 3745-17-08	See A.I.2.b - A.I.2.e below.
	OAC rule 3745-17-11	See A.I.2.g below.
	40 CFR Part 60, Subpart UU	1% opacity for visible emissions (fugitive and stack emissions)

2. Additional Terms and Conditions

2.a The specific operations, property, and/or equipment which constitute this emissions unit are listed below:

i. upper surge bin #2 and pneumatic conveying to filler upper surge bin #2;

ii. transfer to filler heater #2; and

iii. lower surge bin #2 and screw conveying to filler lower surge bin #2.

2.b The pneumatic conveying to the upper surge bin, and the upper surge bin, shall be of an enclosed design. The upper surge bin shall vent to a baghouse to control particulate emissions.

2.c The transfer of filler material to filler heater #2 shall be accomplished via an enclosed rotary valve.

2.d The screw conveying to thelower surge bin, and the lower surge bin, shall be of an enclosed design. The lower surge bin shall vent to a baghouse to control particulate emissions.

2.e The exhaust from the upper filler surge bin #2 shall exhaust horizontally through the side of the filler tower enclosure. This exhaust has been dispersion modeled as a horizontal exhaust. The exhaust from the lower surge bin #2 shall exhaust within the factory building.

2.f The visible particulate emission limitations based on OAC rule 3745-17-07(A) and 3745-17-07(B) are less stringent than the visible particulate emission limitations established pursuant to 40 CFR Part 60, Subpart UU.

2.g The particulate mass emission limitation based on OAC rule 3745-17-11 is less stringent than the particulate mass emission limitation established pursuant to OAC rule 3745-31-05.

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the normal operating range (see section A.IV.4) while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across each baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across any baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust and/or stack particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall submit within 90 days of issuance of the Title V operating permit, documentation of the determined normal pressure range, in inches of water, for each baghouse.

V. Testing Requirements

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

1.a Emission Limitation:

0.09 lb/hr of VOC

Applicable Compliance Method:

Compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-21-10(C).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01622)

1.b Emission Limitation:

1% opacity for visible emissions (for stack and fugitive emissions)

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission test observations performed in accordance with the procedures specified in Method 9 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart UU)

1.c Emission Limitation:

3.16 lbs/hr of PM10

Applicable Compliance Method:

Compliance with this mass emission limitation shall be based on stack testing per Method 201 of 40 CFR Part 51, Appendix M.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01622)

V. Testing Requirements (continued)

1.d Emission Limitation:

0.01 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf) from the process dust collectors

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate(s):

i. for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A; and
ii. for PM-10, Method 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1), PTI 16-01622, and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Material Surfacing Applicator #1 (P905)

Activity Description: Application of surfacing materials (i.e., granules and backdust) on the laminate (3-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
material surfacing applicator #1 with two baghouses	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), and 3745-17-08(B). 0.01 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf) from the process dust collectors
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.b below.
	OAC rule 3745-17-08(B)	The applicator shall be adequately enclosed and vented to two baghouses.
	OAC rule 3745-17-11	See A.I.2.c below.

2. Additional Terms and Conditions

2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

2.c The particulate emission limitation required by this applicable rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 12.0 inches of water while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across each baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across either baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust and/or stack particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a 6-minute average for stack emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission test observations performed in accordance with the procedures specified in Method 9 of 40 CFR Part 60, Appendix A and OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

20% opacity as a 3-minute average for fugitive emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission test observations performed in accordance with the procedures specified in Method 9 of 40 CFR Part 60, Appendix A and OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

0.01 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf) from the process dust collectors

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Coater/Coating Surge Tank #1 (P906)

Activity Description: Equipment to produce asphalt coated mat on the laminate (3-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Asphalt Coater/Surge Tank #1 controlled with a fiber bed filter (serves 3-Wide roofing line)	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-08, 3745-31-13 through 3745-31-20, 3745-31-05(C), 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) shall not exceed 2.60 lbs/hr. Hydrogen sulfide (H2S) emissions shall not exceed 0.18 lb/hr. Volatile organic compound (VOC) emissions shall not exceed 4.62 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 5.51 lbs/hr. Sulfur dioxide (SO2) shall not exceed 0.17 lb/hr SO2. The hourly emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limitations. The control efficiency shall not be less than 99% for PE/PM-10 and H2S.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions). Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.
	OAC rule 3745-17-07 OAC rule 3745-17-11	The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR Part 60, Subpart UU.
	OAC rule 3745-17-08	The coater shall be adequately enclosed and vented to a fiber bed filter.
	OAC rules 3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: VOC - 14.75 tpy CO - 17.59 tpy SO2 - 0.62 tpy
	OAC rule 3745-31-05(C)	See section A.II.1 below. The emissions per rolling, 12-month period shall not exceed: PE/PM-10 - 8.29 tpy H2S - 0.63 tpy
	40 CFR Part 60, Subpart UU	For saturator: 0.04 kilogram of particulates per megagram of asphalt shingle 20% opacity for the exhaust gases no visible emissions from the saturator capture system for more than 20 percent of any period of consecutive valid observations totaling 60 minutes (40 CFR Part 60, Subpart UU is not applicable after May 1, 2006, per 40 CFR Part 63, Subpart LLLLL.)

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 63, Subpart LLLLL	Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram emissions per megagram (kg/Mg) (0.08 pound per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced. The compliance date for this rule is May 1, 2006. See sections A.III.4 through A.III.13 and A.IV.7 below.
	OAC rule 3745-21-07(G)(2)	See A.II.3 below.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The maximum throughput and production on the laminated (3-wide) roofing line shall not exceed 96,911.2 tons of asphalt throughput and 492,080.4 tons of shingle production, based on rolling, 12-month summations. The permittee has existing operation records and, therefore, does not need to be limited to the first year monthly operating hours amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The pressure drop across the fiber bed filter shall be maintained within the normal operating range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

3. The permittee shall only employ asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the asphalt throughput and shingle production rates, in tons, for each month;

b. the PE/PM-10, H2S, SO2, CO, and VOC emissions for each month based upon the results of the latest stack test;

c. the rolling, 12-month summation of the asphalt throughput and shingle production rates, in tons; and

d. the rolling, 12-month summation of the PE/PM-10, H2S, SO2, CO, and VOC emissions, in tons.

(Authority for term: OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fiber bed filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the fiber bed filter on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed the permittee shall perform Method 9 readings for a period of at least 30 minutes, and the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. Beginning May 1, 2006, the permittee shall maintain records of the inlet gas temperature and pressure drop data along with the 3-hour averages of both the inlet gas temperature and pressure drop (see sections A.III.5, A.III.6, and A.III.7).

(Authority for term: 40 CFR 63.8694(c)).

5. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c) (the permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods)); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

III. Monitoring and/or Record Keeping Requirements (continued)

6. For each temperature monitoring device, the permittee must meet the requirements in section A.III.5 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

7. For each pressure measurement device, the permittee must meet the requirements of section A.III.5 and the following:

a. Locate the pressure sensor(s) in, or as close as possible to, a position that provides a representative measurement of the pressure.

b Use a gauge with a minimum measurement sensitivity of 0.12 kiloPascals or a transducer with a minimum measurement sensitivity of 5 percent of the pressure range.

c. Check pressure tap pluggage daily. Perform an accuracy check at least quarterly or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output.

d. Conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor.

e. At least monthly or following an operating parameter deviation, perform a leak check of all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

f. At least quarterly or following an operating parameter deviation, perform visible inspections on all components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(c))

8. For monitoring parameters other than temperature and pressure drop, the permittee must install and operate a CPMS to provide representative measurements of the monitored parameters.

(Authority for term: 40 CFR Part 63.8688(d))

III. Monitoring and/or Record Keeping Requirements (continued)

9. As an option to installing the CPMS specified in section A.III.5, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

10. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

11. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

12. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

13. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following information:

a. all exceedances of the rolling, 12-month asphalt throughput and shingle production limitations; and

b. all exceedances of the rolling, 12-month PE/PM-10, H2S, SO2, CO, and VOC emissions limitations.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

3. The quarterly deviation reports are due by the dates specified in Part 1 - General Terms and Conditions of this permit under section (A)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall also submit annual reports that specify the total PE/PM-10, H2S, SO2, CO, and VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: OAC rule 3745-77-07(C)(1))

5. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined normal pressure drop range, in inches of water, for the fiber bed filter.

(Authority for term: OAC rule 3745-77-07(C)(1))

6. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period and shall included copies of all Method 9 readings that were performed.

(Authority for term: OAC rule 3745-77-07(C)(1))

7. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

1.a Emission Limitations:

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions).

Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average

Exhaust gases from the saturator shall not exceed 20% opacity.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

No visible emissions from the saturator capture system for more than 20 percent of any period of consecutive valid observations totaling 60 minutes.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 22, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitations:

2.60 lbs/hr of PE/PM-10
8.29 tons per year of PE/PM-10 based upon a rolling, 12-month summation

0.04 kilogram of particulates per megagram of asphalt shingle

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(1.57 PE/PM-10 lb/ton of asphalt) x (96,911.2 tons asphalt at coater/yr) x (1 ton/2000 lbs) x (1 - (Capture Efficiency)(Conftrol Efficiency)) = tpy of PE/PM-10

(Authority for term: OAC rule 3745-77-07(C)(1))

1.d Emission Limitations:

0.17 lb/hr of SO2
0.62 ton per year of SO2, based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.0025 SO2 lb/ton of production) x (492,080.2 tons shingles at coater/yr) x (1 ton/2000 lbs) = 0.62 tpy SO2

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.e Emission Limitations:

5.51 lbs/hr of CO
17.59 tons per year of CO based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.363 CO lb/ton of asphalt) x (96,911.2 tons asphalt at coater/yr) x (1 ton/2000 lbs) = 17.59 tpy CO

(Authority for term: OAC rule 3745-77-07(C)(1))

1.f Emission Limitations:

4.62 lbs/hr of VOC
14.75 tons per year of VOC based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.634 THC lb/ton of asphalt) x (VOC/THC ratio) X (96,911.2 tons asphalt at coater/yr) x (1 ton/2000 lbs) = 14.75 tpy VOC

(Authority for term: OAC rule 3745-77-07(C)(1))

1.g Emission Limitations:

0.18 lb/hr H2S
0.63 ton per year of H2S based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(2.58E-03 H2S lb/ton of production) x (492,080.2 tons shingles at coater/yr) x (1 ton/2000 lbs) = 0.63 tpy H2S

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.h Emission Limitations:

Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram per megagram (kg/Mg) (0.08 pounds per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced.

Applicable Compliance Methods:

To determine compliance with the particulate matter mass emission rate, use equations 1 and 2 as follows:

E = Mpm / P (Eq. 1)

where:

E = particulate matter emission rate, kilograms of particulate matter per megagram of roofing product manufactured;

Mpm = particulate matter mass emission rate, kilograms per hour, determined using Equation 2; and

P = the asphalt roofing product manufacturing rate during the emissions sampling period, including any material trimmed from the final product, megagram per hour.

Mpm = C * Q * K (Eq. 2)

where:

Mpm = particulate matter mass emission rate, kilograms per hour;

C = concentration of particulate matter on a dry basis, grams per dry standard cubic meter (g/dscm), as measured by the test method specified in Table 3 to this subpart;

Q = vent gas stream flow rate (dry standard cubic meters per minute) at a temperature of 20 degrees C as measured by the test method specified in Table 3 to this subpart; and

K = unit conversion constant (0.06 minute-kilogram/hour-gram).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e)(1))

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit expiration, except for PE/PM-10 testing which shall be conducted no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowabe mass emission rate(s) for PE, PM-10, H2S, SO2, CO, and VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for PE, Methods 1 thru 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 thru 4 of 40 CFR Part 60, Appendix A and 201 of 40 CFR Part 51, Appendix M;

for H2S, Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 thru 4 and 6 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 thru 4 and 10 or 10B of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 thru 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Filler Mixer #2 (P907)

Activity Description: Filler mixer for the strip (4-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Aggregate Filler Mixer #2 controlled with a baghouse	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), and 3745-17-08, and 40 CFR Part 63, Subpart LLLLL. 0.01 grain of particulate emissions per dry standard cubic foot of exhaust gas (gr/dscf) from the process dust collectors
	OAC rule 3745-31-05(A)(3) (PTI 16-01622)	The requirements of this rule also include the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), 3745-17-08, 3745-17-11, and 40 CFR Part 63, Subpart LLLLL. 1.14 lbs/hr PM-10 (this is the portion of the aggregate 10.41 lbs/hr stack emission limit that was established in PTI 16-01622 that is attributed to P907) 2.55 lbs/hr particulates (this is the portion of the aggregate 23.31 lbs/hr stack emission limit that was established in PTI 16-01622 that is attributed to P907)
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-07(B)	Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.
	OAC rule 3745-17-08	The filler mixer shall be of an enclosed design and shall vent to a baghouse.
	OAC rule 3745-17-11	See A.I.2.a below.
	40 CFR Part 63, Subpart LLLLL	Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 4-wide roofing line to 0.04 kilogram emissions per megagram (kg/Mg) (0.08 pound per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced. The compliance date for this rule is May 1, 2006. See sections A.III.3 through A.III.12 and A.IV.4 below.

2. Additional Terms and Conditions

2.a The particulate emission limitation based on OAC rule 3745-17-11 is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the normal operating range (see section A.IV.5) while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. Beginning May 1, 2006, the permittee shall maintain records of the inlet gas temperature and pressure drop data along with the 3-hour averages of the inlet gas temperature and pressure drop.

(Authority for term: 40 CFR 63.8694(c))

4. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c) (the permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods)); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

III. Monitoring and/or Record Keeping Requirements (continued)

5. For each temperature monitoring device, the permittee must meet the requirements in section A.III.4 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

6. For each pressure measurement device, the permittee must meet the requirements of section A.III.4 and the following:

a. Locate the pressure sensor(s) in, or as close as possible to, a position that provides a representative measurement of the pressure.

b Use a gauge with a minimum measurement sensitivity of 0.12 kiloPascals or a transducer with a minimum measurement sensitivity of 5 percent of the pressure range.

c. Check pressure tap pluggage daily. Perform an accuracy check at least quarterly or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output.

d. Conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor.

e. At least monthly or following an operating parameter deviation, perform a leak check of all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

f. At least quarterly or following an operating parameter deviation, perform visible inspections on all components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(c))

7. For monitoring parameters other than temperature and pressure drop, the permittee must install and operate a CPMS to provide representative measurements of the monitored parameters.

(Authority for term: 40 CFR Part 63.8688(d))

III. Monitoring and/or Record Keeping Requirements (continued)

8. As an option to installing the CPMS specified in section A.III.4, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

9. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

10. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

11. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

12. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j)).

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust and/or stack particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

5. The permittee shall submit within 90 days of issuance of the Title V operating permit, documentation of the determined normal pressure range, in inches of water, for the baghouse.

V. Testing Requirements

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

1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b), and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002 and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

2.55 lbs/hr particulate emissions

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.d Emission Limitation:

1.14 lbs/hr PM-10

Applicable Compliance Method:

Compliance with this mass emission limitation shall be based on stack testing in accordance with Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.e Emission Limitation:

Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram per megagram (kg/Mg) (0.08 pound per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced.

Applicable Compliance Method:

To determine compliance with the particulate matter mass emission rate, use equations 1 and 2 as follows:

E = Mpm / P (Eq. 1)

where:

E = Particulate matter emission rate, kilograms of particulate matter per megagram of roofing product manufactured;

Mpm = Particulate matter mass emission rate, kilograms per hour, determined using Equation 2; and

P = The asphalt roofing product manufacturing rate during the emissions sampling period, including any material trimmed from the final product, megagram per hour.

Mpm = C * Q * K (Eq. 2)

where:

Mpm = Particulate matter mass emission rate, kilograms per hour;

C = Concentration of particulate matter on a dry basis, grams per dry standard cubic meter (g/dscm), as measured by the test method specified in Table 3 to this subpart;

Q = Vent gas stream flow rate (dry standard cubic meters per minute) at a temperature of 20 degrees C as measured by the test method specified in Table 3 to this subpart; and

K = Unit conversion constant (0.06 minute-kilogram/hour-gram.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e)(1))

V. Testing Requirements (continued)

2. 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 no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A; and
for PM-10, Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Coater/Surge Tank #2 (P908)

Activity Description: Equipment to produce asphalt coated mat on the strip (4-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Asphalt Coater/Surge Tank #2 controlled with a fiber bed filter (serves 4-Wide roofing line)	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-08, 3745-31-13 through 3745-31-20, 3745-31-05(C), 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) shall not exceed 3.70 lbs/hr. Hydrogen sulfide (H2S) emissions shall not exceed 0.26 lb/hr. Volatile organic compound (VOC) emissions shall not exceed 6.59 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 7.86 lbs/hr. Sulfur dioxide (SO2) shall not exceed 0.25 lb/hr SO2. The hourly emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limitations.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The control efficiency shall not be less than 99% for PE/PM-10 and H2S. Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions). Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.
	OAC rule 3745-17-07 OAC rule 3745-17-11	The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR Part 60, Subpart UU.
	OAC rule 3745-17-08	The coater shall be adequately enclosed and vented to a fiber bed filter.
	OAC rules 3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: VOC - 25.16 tpy CO - 30.01 tpy SO2 - 1.00 tpy
	OAC rule 3745-31-05(C)	See section A.II.1 below. The emissions per rolling, 12-month period shall not exceed: PE/PM-10 - 14.15 tpy H2S - 1.03 tpy
	40 CFR Part 60, Subpart UU	For saturator: 0.04 kilogram of particulates per megagram of asphalt shingle 20% opacity for the exhaust gases no visible emissions from the saturator capture system for more than 20 percent of any period of consecutive valid observations totaling 60 minutes (40 CFR Part 60, Subpart UU is not applicable after May 1, 2006, per 40 CFR Part 63, Subpart LLLLL.)

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 63, Subpart LLLLL	Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram emissions per megagram (kg/Mg) (0.08 pound per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced. The compliance date for this rule is May 1, 2006. See sections A.III.4 through A.III.13 and A.IV.7 below.
	OAC rule 3745-21-07(G)(2)	See A.II.3 below.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The maximum throughput and production on the non-laminated (4-wide) roofing line shall not exceed 165,325.1 tons of asphalt throughput and 797,115.0 tons of shingle production, based on rolling, 12-month summations. The permittee has existing operation records and, therefore, does not need to be limited to the first year monthly operating hours amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The pressure drop across the fiber bed filter shall be maintained within the normal operating range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

3. The permittee shall only employ asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the asphalt throughput and shingle production rates, in tons, for each month;

b. the PE/PM-10, H2S, SO2, CO, and VOC emissions for each month based upon the results of the latest stack test;

c. the rolling, 12-month summation of the asphalt throughput and shingle production rates, in tons; and

d. the rolling, 12-month summation of the PE/PM-10, H2S, SO2, CO, and VOC emissions, in tons.

(Authority for term: OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fiber bed filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the fiber bed filter on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed the permittee shall perform Method 9 readings for a period of at least 30 minutes, and the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. Beginning May 1, 2006, the permittee shall maintain records of the inlet gas temperature and pressure drop data along with the 3-hour averages of both the inlet gas temperature and pressure drop.

(Authority for term: 40 CFR 63.8694(c)).

5. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c) (the permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods)); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

III. Monitoring and/or Record Keeping Requirements (continued)

6. For each temperature monitoring device, the permittee must meet the requirements in section A.III.5 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

7. For each pressure measurement device, the permittee must meet the requirements of section A.III.5 and the following:

a. Locate the pressure sensor(s) in, or as close as possible to, a position that provides a representative measurement of the pressure.

b Use a gauge with a minimum measurement sensitivity of 0.12 kiloPascals or a transducer with a minimum measurement sensitivity of 5 percent of the pressure range.

c. Check pressure tap pluggage daily. Perform an accuracy check at least quarterly or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output.

d. Conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor.

e. At least monthly or following an operating parameter deviation, perform a leak check of all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

f. At least quarterly or following an operating parameter deviation, perform visible inspections on all components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(c))

8. For monitoring parameters other than temperature and pressure drop, the permittee must install and operate a CPMS to provide representative measurements of the monitored parameters.

(Authority for term: 40 CFR Part 63.8688(d))

III. Monitoring and/or Record Keeping Requirements (continued)

9. As an option to installing the CPMS specified in section A.III.5, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

10. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

11. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

12. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

13. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following information:

a. all exceedances of the rolling, 12-month asphalt throughput and shingle production limitations; and

b. all exceedances of the rolling, 12-month PE/PM-10, H2S, SO2, CO, and VOC emissions limitations.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

3. The quarterly deviation reports are due by the dates specified in Part 1 - General Terms and Conditions of this permit under section (A)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall also submit annual reports that specify the total PE/PM-10, H2S, SO2, CO, and VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: OAC rule 3745-77-07(C)(1))

5. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined normal pressure drop range, in inches of water, for the fiber bed filter.

(Authority for term: OAC rule 3745-77-07(C)(1))

6. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period and shall included copies of all Method 9 readings that were performed.

(Authority for term: OAC rule 3745-77-07(C)(1))

7. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

1.a Emission Limitations:

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions).

Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.

Exhaust gases from the saturator shall not exceed 20% opacity.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

No visible emissions from the saturator capture system for more than 20 percent of any period of consecutive valid observations totaling 60 minutes.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 22, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitations:

3.70 lbs/hr of PE/PM-10
14.15 tons per year of PE/PM-10 based upon a rolling, 12-month summation

0.04 kilogram of particulates per megagram of asphalt shingle

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(1.57 PE/PM-10 lb/ton of asphalt) x (165,325.1 tons asphalt at coater/yr) x (1 ton/2000 lbs) x (1 - (Capture Efficiency)(Conftrol Efficiency)) = tpy of PE/PM-10

(Authority for term: OAC rule 3745-77-07(C)(1))

1.d Emission Limitations:

0.25 lb/hr of SO2
1.03 ton per year of SO2, based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.0025 SO2 lb/ton of production) x (797,115 tons shingles at coater/yr) x (1 ton/2000 lbs) = 1.03 tpy SO2

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.e Emission Limitations:

7.86 lbs/hr of CO
30.01 tons per year of CO based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.363 CO lb/ton of asphalt) x (165,325.1 tons asphalt at coater/yr) x (1 ton/2000 lbs) = 30.01 tpy CO

(Authority for term: OAC rule 3745-77-07(C)(1))

1.f Emission Limitations:

6.59 lbs/hr of VOC
25.16 tons per year of VOC based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.634 THC lb/ton of asphalt) x (VOC/THC ratio) X (165,325.1 tons asphalt at coater/yr) x (1 ton/2000 lbs) = 25.16 tpy VOC

(Authority for term: OAC rule 3745-77-07(C)(1))

1.g Emission Limitations:

0.26 lb/hr H2S
1.03 ton per year of HsS based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(2.58E-03 H2S lb/ton of production) x (797,115 tons shingles at coater/yr) x (1 ton/2000 lbs) = 1.03 tpy H2S

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.h Emission Limitations:

Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram per megagram (kg/Mg) (0.08 pounds per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced.

Applicable Compliance Methods:

To determine compliance with the particulate matter mass emission rate, use equations 1 and 2 as follows:

E = Mpm / P (Eq. 1)

where:

E = particulate matter emission rate, kilograms of particulate matter per megagram of roofing product manufactured;

Mpm = particulate matter mass emission rate, kilograms per hour, determined using Equation 2; and

P = the asphalt roofing product manufacturing rate during the emissions sampling period, including any material trimmed from the final product, megagram per hour.

Mpm = C * Q * K (Eq. 2)

where:

Mpm = particulate matter mass emission rate, kilograms per hour;

C = concentration of particulate matter on a dry basis, grams per dry standard cubic meter (g/dscm), as measured by the test method specified in Table 3 to this subpart;

Q = vent gas stream flow rate (dry standard cubic meters per minute) at a temperature of 20 degrees C as measured by the test method specified in Table 3 to this subpart; and

K = unit conversion constant (0.06 minute-kilogram/hour-gram).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e)(1))

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after issuance of the permit and 6 months prior to permit expiration, except for PE/PM-10 testing which shall be conducted no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowabe mass emission rate(s) for PE, PM-10, H2S, SO2, CO, and VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for PE, Methods 1 thru 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 thru 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M;

for H2S, Methods 1 thru 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 thru 4 and 6 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 thru 4 and 10 or 10B of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 thru 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Material Surfacing Applicator #2 (P909)

Activity Description: Application of surfacing materials (i.e., granules and backdust) on the strip (4-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
material surfacing applicator #2 with two baghouses	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), and 3745-17-08(B). 0.01 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf) from the process dust collectors
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.b below.
	OAC rule 3745-17-08(B)	The applicator shall be adequately enclosed and vented to two baghouses.
	OAC rule 3745-17-11	See A.I.2.c below.

2. Additional Terms and Conditions

2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

2.c The particulate emission limitation required by this applicable rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 12.0 inches of water while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across each baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across either baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

20% opacity as a 6-minute average for stack emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission test observations performed in accordance with the procedures specified in Method 9 of 40 CFR Part 60, Appendix A and OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

20% opacity as a 3-minute average for fugitive emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission test observations performed in accordance with the procedures specified in Method 9 of 40 CFR Part 60, Appendix A and OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

0.01 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf) from the process dust collectors

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cooling Section #2 (P910)

Activity Description: Cooling of asphalt coated product on the strip (4-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
P910 - Cooling Section #2 (4-wide roofing line)	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-08, 3745-31-13 through 3745-31-20, and 3745-31-05(C). Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 7.02 lbs/hr PE/PM-10. Volatile organic compound (VOC) emissions shall not exceed 2.80 lbs/hr. The hourly emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limitations. Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions). Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.
	OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-11	The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-08(B)	The permittee shall operate the existing hood to minimize particulate emissions and emissions of fugitive dust.
	OAC rules 3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: VOC - 11.06 tpy
	OAC rule 3745-31-05(C)	The emissions per rolling, 12-month period shall not exceed: PE/PM-10 - 27.69 tpy See section A.II.1.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The maximum throughput and production on the non-laminated (4-wide) roofing line shall not exceed 165,325.1 tons of asphalt throughput and 797,115.0 tons of shingle production based on rolling, 12-month summations. The permittee has existing operation records and, therefore, does not need to be limited to first year monthly throughput and production amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the asphalt throughput and shingle production rates, in tons, for each month;

b. the PE/PM-10 and VOC emissions, in tons, for each month based upon the results of the latest stack test;

c. the rolling, 12-month summation of the asphalt throughput and shingle production rates, in tons; and

d. the rolling, 12-month summation of PE/PM-10 and VOC emissions, in tons.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and any visible emissions of fugitive dust. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

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

a. all exceedances of the rolling, 12-month asphalt throughput and shingle production limitations; and

b. all exceedances of the rolling, 12-month PE/PM-10 and VOC emissions limitations.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. These quarterly deviation reports are due by the dates specified in Part 1 - General Terms and Conditions of this permit under section (A)(1).

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The permittee shall also submit annual reports that specify the total PE/PM-10 and VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions).

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.c Emission Limitations:

7.02 lbs/hr PE/PM-10
27.69 tons per year of PE/PM-10 based upon a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be determined using the following methods:

For PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A; and

For PM-10, Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.069 PE/PM-10 lb/ton of production) x (797,115 tons shingles at coater/yr) x (1 ton/2000 lbs) = 27.69 tpy PE/PM-10

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.d Emission Limitations:

2.80 lbs/hr of VOC
11.06 tons per year of VOC based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance shall be determined using the following methods:

Methods 1 thru 4 and 18 or 25 of 40 CFR Part 60, Appendix A.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.028 VOC lb/ton of production) x (797,115 tons shingles at coater/yr) x (1 ton/2000 lbs) = 11.06 tpy VOC

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cooling Section #1 (P911)

Activity Description: Cooling of asphalt coated product on the laminate (3-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Cooling Section #1 (3-wide roofing line)	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-08, 3745-31-13 through 3745-31-20, and 3745-31-05(C). Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 4.81 lbs/hr PE/PM-10. Volatile organic compound (VOC) emissions shall not exceed 1.92 lbs/hr. The hourly emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limitations. Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions). Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.
	OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-11	The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-08(B)	The permittee shall operate the existing hood to minimize particulate emissions and emissions of fugitive dust.
	OAC rules 3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: VOC - 6.83 tpy
	OAC rule 3745-31-05(C)	The emissions per rolling, 12-month period shall not exceed: PE/PM-10 - 17.09 tpy See section A.II.1.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The maximum throughput and production on the laminated (3-wide) roofing line shall not exceed 96,911.2 tons of asphalt throughput and 492,080.4 tons of shingle production based on rolling, 12-month summations. The permittee has existing operation records and, therefore, does not need to be limited to first year monthly throughput and production amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the asphalt throughput and shingle production rates, in tons, for each month;

b. the PE/PM-10 and VOC emissions, in tons, for each month based upon the results of the latest stack test;

c. the rolling, 12-month summation of the asphalt throughput and shingle production rates, in tons; and

d. the rolling, 12-month summation of PE/PM-10 and VOC emissions, in tons.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and any visible emissions of fugitive dust. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

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

a. all exceedances of the rolling, 12-month asphalt throughput and shingle production limitations; and

b. all exceedances of the rolling, 12-month PE/PM-10 and VOC emissions limitations.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. These quarterly deviation reports are due by the dates specified in Part 1 - General Terms and Conditions of this permit under section (A)(1).

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The permittee shall also submit annual reports that specify the total PE/PM-10 and VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions).

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.c Emission Limitations:

4.81 lbs/hr PE/PM-10
17.09 tons per year of PE/PM-10 based upon a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be determined using the following methods:

For PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A; and

For PM-10, Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.069 PE/PM-10 lb/ton of production) x (492,080.4 tons shingles at coater/yr) x (1 ton/2000 lbs) = 17.09 tpy PE/PM-10

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.d Emission Limitations:

1.92 lbs/hr of VOC
6.83 tons per year of VOC based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance shall be determined using the following methods:

Methods 1 thru 4 and 18 or 25 of 40 CFR Part 60, Appendix A.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.028 VOC lb/ton of production) x (492,080.4 tons shingles at coater/yr) x (1 ton/2000 lbs) = 6.83 tpy VOC

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MLA System (P912)

Activity Description: Modified laminate adhesive system on the laminate (3-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
MLA System controlled with a fiber bed filter - MLA melt tank, MSA use tank, MSA applicator pan (3-wide roofing line)	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.b below.
	OAC rule 3745-17-08	Vent the emissions from the MLA system to fiber bed filter.
	OAC rule 3745-17-11	4.94 lbs/hr particulate emissions (based on process weight rate of 1.32 tph and Table I)
	40 CFR Part 63, Subpart LLLLL	Total particulate emissions from the coater, filler mixer, and sealant applicator are limited to 0.04 kg/Mg (0.08 lb/ton) of asphalt shingle or mineral-surfaced roll roofing. The compliance date for this rule is May 1, 2006. See sections A.III.3 through A.III.12 and A.IV.4 below.
	OAC rule 3745-21-07(G)(2)	See A.II.2 below.

2. Additional Terms and Conditions

2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

II. Operational Restrictions

1. The pressure drop across the fiber bed filter shall be maintained within the normal operating range (see section A.IV.5) while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

2. The permittee shall only employ asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fiber bed filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the fiber bed filter on a weekly basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and any visible emissions of fugitive dust. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. Beginning May 1, 2006, the permittee shall maintain records of the inlet gas temperature and pressure drop data along with the 3-hour averages of the inlet gas temperature and pressure drop.

(Authority for term: 40 CFR 63.8694(c))

4. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c) (the permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods)); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

III. Monitoring and/or Record Keeping Requirements (continued)

5. For each temperature monitoring device, the permittee must meet the requirements in section A.III.4 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

6. For each pressure measurement device, the permittee must meet the requirements of section A.III.4 and the following:

a. locate the pressure sensor(s) in, or as close as possible to, a position that provides a representative measurement of the pressure;

b. use a gauge with a minimum measurement sensitivity of 0.12 kiloPascals or a transducer with a minimum measurement sensitivity of 5 percent of the pressure range;

c. check pressure tap pluggage daily. Perform an accuracy check at least quarterly or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; and

d. conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor;

e. at least monthly or following an operating parameter deviation, perform a leak check of all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage; and

f. at least quarterly or following an operating parameter deviation, perform visible inspections on all components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(c))

7. For monitoring parameters other than temperature and pressure drop, the permittee must install and operate a CPMS to provide representative measurements of the monitored parameters.

(Authority for term: 40 CFR Part 63.8688(d))

III. Monitoring and/or Record Keeping Requirements (continued)

8. As an option to installing the CPMS specified in section A.III.4, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

9. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

10. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

11. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

12. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. These deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

5. The permittee shall submit within 90 days of issuance of the Title V operating permit, documentation of the determined normal pressure range, in inches of water, for the fiber bed filter.

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b), and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002 and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

4.94 lbs/hr of particulates

Applicable Compliance Method:

Compliance with this mass emission limitation shall be based on stack testing in accordance with Methods 1 through 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.d Emission Limitation:

Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram per megagram (kg/Mg) (0.08 pound per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced.

Applicable Compliance Method:

To determine compliance with the particulate matter mass emission rate, use equations 1 and 2 as follows:

E = Mpm / P (Eq. 1)

where:

E = Particulate matter emission rate, kilograms of particulate matter per megagram of roofing product manufactured;

Mpm = Particulate matter mass emission rate, kilograms per hour, determined using Equation 2; and

P = The asphalt roofing product manufacturing rate during the emissions sampling period, including any material trimmed from the final product, megagram per hour.

Mpm = C * Q * K (Eq. 2)

where:

Mpm = Particulate matter mass emission rate, kilograms per hour;

C = Concentration of particulate matter on a dry basis, grams per dry standard cubic meter (g/dscm), as measured by the test method specified in Table 3 to this subpart;

Q = Vent gas stream flow rate (dry standard cubic meters per minute) at a temperature of 20 degrees C as measured by the test method specified in Table 3 to this subpart; and

K = Unit conversion constant (0.06 minute-kilogram/hour-gram.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for PE, Methods 1 thru 5 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MSA System #1 (P913)

Activity Description: Modified sealant asphalt system on the laminate (3-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
MSA System #1 sealant process controlled with a fiber bed filter - MSA melt tank, MSA use tank, MSA applicator pan (4-wide roofing line)	OAC rule 3745-31-05(A)(3) (PTI 16-01755)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(B), 3745-17-08, and 40 CFR Part 63, Subpart LLLLL. 1% opacity as a 6-minute average (stack emissions) 1.08 lbs/day of particulates 0.084 tpy of particulates 12.06 lbs/day of organic compounds (OC) 2.14 tpy of OC 18.79 lbs/day of carbon monoxide (CO) 3.36 tpy of CO
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.b below.
	OAC rule 3745-17-08	Vent emissions from MSA tanks to fiber bed filter.
	OAC rule 3745-17-11	See A.I.2.a below.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 63, Subpart LLLLL	Total particulate emissions from the coater, filler mixer, and sealant applicator are limited to 0.04 kg/Mg (0.08 lb/ton) of asphalt shingle or mineral-surfaced roll roofing. The compliance date for this rule is May 1, 2006. See sections A.III.5 through A.III.14 and A.IV.4 below.
	OAC rule 3745-21-07(G)(2)	See A.II.2 below.

2. Additional Terms and Conditions

2.a The applicable emission limitation is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.

2.b Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

II. Operational Restrictions

1. The pressure drop across the fiber bed filter shall be maintained within the normal operating range (see section A.IV.6) while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

2. The permittee shall only employ asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fiber bed filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the fiber bed filter on a weekly basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and any visible emissions of fugitive dust. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall maintain the following information, on a monthly basis:

a. the company identification of the material stored in each tank;

b. the number of squares coated per month;

c. the amount of sealant applied per month, in pounds;

d. the total MSA use (calculated by multiplying the pounds of sealant applied to each square times the number of squares coated per month), in pounds;

e. the results of the monthly LEL reading for each tank;

f. the estimate of vent flow, in cfm;

g. the number of hours the emissions unit was in operation; and

h. the OC and CO mass emission rates for the entire process, in lbs/day, calculated in accordance with sections A.V.1.d and A.V.1.e.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. For the purposes of calculating OC emissions from MSA use, the following documentation shall be maintained on site for each and every tank:

a. the vapor molecular weight, in lb/lb-mole;

b. the vapor pressure at the daily average liquid surface temperature, in psia;

c. the tank maximum liquid volume, in ft^3;

d. the tank diameter, in ft;

e. the maximum liquid height, in ft;

f. the vapor space volume, in ft^3; and

g. the vapor density, in lb/ft^3.

(Authority for term: OAC rule 3745-77-07(C)(1))

5. Beginning May 1, 2006, the permittee shall maintain records of the inlet gas temperature and pressure drop data along with the 3-hour averages of the inlet gas temperature and pressure drop.

(Authority for term: 40 CFR 63.8694(c)).

III. Monitoring and/or Record Keeping Requirements (continued)

6. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c) (the permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods)); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

7. For each temperature monitoring device, the permittee must meet the requirements in section A.III.6 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

III. Monitoring and/or Record Keeping Requirements (continued)

8. For each pressure measurement device, the permittee must meet the requirements of section A.III.6 and the following:

a. Locate the pressure sensor(s) in, or as close as possible to, a position that provides a representative measurement of the pressure.

b Use a gauge with a minimum measurement sensitivity of 0.12 kiloPascals or a transducer with a minimum measurement sensitivity of 5 percent of the pressure range.

c. Check pressure tap pluggage daily. Perform an accuracy check at least quarterly or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output.

d. Conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor.

e. At least monthly or following an operating parameter deviation, perform a leak check of all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

f. At least quarterly or following an operating parameter deviation, perform visible inspections on all components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(c))

9. For monitoring parameters other than temperature and pressure drop, the permittee must install and operate a CPMS to provide representative measurements of the monitored parameters.

(Authority for term: 40 CFR Part 63.8688(d))

10. As an option to installing the CPMS specified in section A.III.6, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

11. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

III. Monitoring and/or Record Keeping Requirements (continued)

12. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

13. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

14. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly deviation (excursion) reports that include the following information:

a. an identification of each month during which the calculated average daily organic compound emissions exceeded 12.06 lbs/day, and the actual calculated average organic compound emissions for each such month; and

b. an identification of each month during which the calculated average daily carbon monoxide emissions exceeded 18.79 lbs/day, and the actual calculated average carbon monoxide emissions for each such month.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. These deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

5. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

6. The permittee shall submit within 90 days of issuance of the Title V operating permit, documentation of the determined normal pressure range, in inches of water, for the fiber bed filter.

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002 and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

1% opacity as a 6-minute average (stack emissions)

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

1.08 lbs/day of particulates
0.084 tpy of particulates

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation was developed by multiplying the short-term allowable PE limitation (1.08 lbs/day) by the maximum annual days of operation (365 days), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.d Emission Limitation:

12.06 lbs/day of OC
2.14 tpy of OC

Applicable Compliance Method:

OC emissions (lbs/day) = MSA Melt Tank (lbs/day) + MSA Applicator Pan (lbs/day) + MSA Use (lbs/day)

MSA Melt Tank and MSA Applicator Pan OC emissions are calculated using the following methodology:

OC conc (lbs/cf) = %LEL * (1 - fraction methane/ethane) * (100%LEL conc.) * (28.32 L/cf) * (lb/454,000 mg)

OC emissions (lbs/day) = OC Concentration (lbs/cf) * Flow * (60 min/hr) * (24 hrs/day)

where:

%LEL = Lower Explosion Limit value, measured monthly by an instrument at each tank;

fraction methane/ethane = 0.52, as determined from testing;

100% LEL conc. = 45mg/L, value of the Lower Explosion Limit (100% LEL) expressed in a concentration that is constant for alkanes, Industrial Explosion Prevention and Protection, Frank T. Bodurtha, p12, MCGraw Hill, 1980; and

Flow = Estimate of vent flow, (cfm).

The OC emissions from MSA Use for each tank (MSA Laminator tank & (4) MSA 3-tab tanks) shall be determined in accordance with AP-42, Fifth Edition (9/97), Section 7.1.3, Equations 1-2 (Standing Storage Loss) and 1-23 (Working Loss); however, these equations are modified to demonstate compliance with a daily limitation.

MSA Use emissions (lbs/day) = Standing Storage Loss + Working Loss

Ls (lbs/day) = (Vv) * (Wv) * (Ke) * (Ks)

where:

Ls = standing storage loss, lb/day;
Vv = vapor space volume, ft^3;
Wv = vapor density, lb/ft^3;
Ke = vapor space expansion factor, dimensionless; and
Ks = vented vapor saturation factor, dimensionless.

Lw (lbs/day) = (1/#days) * (0.0010) * (Mv) * (Pva) * (Q) * (Kn) * (Kp)

where:

Lw = Working Loss, lbs/day;
#days = number of days in the month;
Mv = vapor molecular weight, lb/lb-mole;
Pva = vapor pressure at daily average liquid surface temperature, psia;
Q = monthly net throughput (tank capacity [bbl] times monthly turnover rate), bbl/month; and
Kn = turnover factor, dimensionless.

V. Testing Requirements (continued)

for turnovers > 36, Kn = (180 + N) / (6N)
for turnovers < or = 36, Kn = 1

N = number of turnovers per month, dimensionless

N = (5.614Q) / (Vlx)

where:

Q = monthly net throughput, bbl/month; and
Vlx = tank maximum liquid volume, ft^3.

and

Vlx = (pi) * (D^2) * (Hlx)

where:

D = diameter, ft; and
Hlx = maximum liquid height, ft.

Kp = working loss product factor, dimensionless, 0.75 for crude oils. For all other organic liquids, Kp = 1.

The tpy emission limitation was developed by multiplying the short-term allowable OC limitation (12.06 lbs/day) by the maximum annual days of operation (365 days), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.e Emission Limitation:

18.79 lbs/day of CO
3.36 tpy of CO

Applicable Compliance Method:

CO emissions = MSA Melt Tank + MSA Applicator Pan + MSA Use

MSA Melt Tank, MSA Applicator Pan, and MSA Use CO emissions are calculated using the following methodology:

CO (lbs/day) = EF * X ppm * 0.028 m3/cf * Y CFM * minutes of operation * (gm/1000mg) * (lb/454gm) * (hr/60 min) * (day/24hr)

where:

EF = 1.14 mg/m3/ppm emission factor from AP-42 for CO;

X ppm = correlation of the concentration of CO based on the LEL of asphalt = 142 * %LEL + 800 for oxidized asphalt; and

Y CFM = estimate of vent flow, cfm.

The tpy emission limitation was developed by multiplying the short-term allowable CO limitation (18.79 lbs/day) by the maximum annual days of operation (365 days), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.f Emission Limitation:

Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram per megagram (kg/Mg) (0.08 pound per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced.

Applicable Compliance Method:

To determine compliance with the particulate matter mass emission rate, use equations 1 and 2 as follows:

E = Mpm / P (Eq. 1)

where:

E = Particulate matter emission rate, kilograms of particulate matter per megagram of roofing product manufactured;

Mpm = Particulate matter mass emission rate, kilograms per hour, determined using Equation 2; and

P = The asphalt roofing product manufacturing rate during the emissions sampling period, including any material trimmed from the final product, megagram per hour.

Mpm = C * Q * K (Eq. 2)

where:

Mpm = Particulate matter mass emission rate, kilograms per hour;

C = Concentration of particulate matter on a dry basis, grams per dry standard cubic meter (g/dscm), as measured by the test method specified in Table 3 to this subpart;

Q = Vent gas stream flow rate (dry standard cubic meters per minute) at a temperature of 20 degrees C as measured by the test method specified in Table 3 to this subpart; and

K = Unit conversion constant (0.06 minute-kilogram/hour-gram.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e)(1))

2. 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 3 months after issuance of the permit and no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates, OC, and CO.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A;
for OC, Methods 1 through 4, and 18 or 25/25A of 40 CFR Part 60, Appendix A; and
for CO, Methods 1 through 4, and 10 or 10B of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mat Unwind #1 (P914)

Activity Description: Unwinding of mat prior to dry looper on the laminate (3-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Mat Unwind #1 - controlled by fabric filter	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-07(B)	Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.
	OAC rule 3745-17-08	The unwind area shall be vented to a fabric filter through the use of localized hoods and/or exhaust pickups.
	OAC rule 3745-17-11	2.37 lbs/hr of particulate emissions (based on process weight rate of 0.44 ton per hour and Table I)

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within the normal operating range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the fabric filter on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and any visible emissions of fugitive dust. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The quarterly deviation reports are due by the dates specified in Part 1 - General Terms and Conditions of this permit under section (A)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall submit, within 90 days of permit issuance, documentation of the determined normal pressure drop range, in inches of water, for the fabric filter.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b), and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002 and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

2.37 lbs/hr of particulate

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with the procedures in Methods 1 through 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MSA System #2 (P915)

Activity Description: Modified sealant asphalt system for the strip (4-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
MSA System #2 sealant process controlled with a fiber bed filter - MSA melt tank, MSA use tank, MSA applicator pan (3-wide roofing line)	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.b below.
	OAC rule 3745-17-08	Vent the emissions from the MSA tanks to fiber bed filter.
	OAC rule 3745-17-11	7.08 lbs/hr particulate emissions (based on process weight rate of 2.26 tph and Table I)
	40 CFR Part 63, Subpart LLLLL	Total particulate emissions from the coater, filler mixer, and sealant applicator are limited to 0.04 kg/Mg (0.08 lb/ton) of asphalt shingle or mineral-surfaced roll roofing. The compliance date for this rule is May 1, 2006. See sections A.III.3 through A.III.12 and A.IV.4 below.
	OAC rule 3745-21-07(G)(2)	See A.II.2 below.

2. Additional Terms and Conditions

2.a Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

II. Operational Restrictions

1. The pressure drop across the fiber bed filter shall be maintained within the normal operating range (see section A.IV.5) while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

2. The permittee shall only employ asphalt which is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5).

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fiber bed filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the fiber bed filter on a weekly basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and any visible emissions of fugitive dust. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. Beginning May 1, 2006, the permittee shall maintain records of the inlet gas temperature and pressure drop data along with the 3-hour averages of the inlet gas temperature and pressure drop.

(Authority for term: 40 CFR 63.8694(c))

4. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c) (the permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods)); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

III. Monitoring and/or Record Keeping Requirements (continued)

5. For each temperature monitoring device, the permittee must meet the requirements in section A.III.4 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

6. For each pressure measurement device, the permittee must meet the requirements of section A.III.4 and the following:

a. locate the pressure sensor(s) in, or as close as possible to, a position that provides a representative measurement of the pressure;

b. use a gauge with a minimum measurement sensitivity of 0.12 kiloPascals or a transducer with a minimum measurement sensitivity of 5 percent of the pressure range;

c. check pressure tap pluggage daily. Perform an accuracy check at least quarterly or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; and

d. conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor;

e. at least monthly or following an operating parameter deviation, perform a leak check of all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage; and

f. at least quarterly or following an operating parameter deviation, perform visible inspections on all components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(c))

7. For monitoring parameters other than temperature and pressure drop, the permittee must install and operate a CPMS to provide representative measurements of the monitored parameters.

(Authority for term: 40 CFR Part 63.8688(d))

III. Monitoring and/or Record Keeping Requirements (continued)

8. As an option to installing the CPMS specified in section A.III.4, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

9. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

10. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

11. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

12. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. These deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

5. The permittee shall submit within 90 days of issuance of the Title V operating permit, documentation of the determined normal pressure range, in inches of water, for the fiber bed filter.

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b), and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002 and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

7.08 lbs/hr of particulates

Applicable Compliance Method:

Compliance with this mass emission limitation shall be based on stack testing in accordance with Methods 1 through 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.d Emission Limitation:

Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram per megagram (kg/Mg) (0.08 pound per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced.

Applicable Compliance Method:

To determine compliance with the particulate matter mass emission rate, use equations 1 and 2 as follows:

E = Mpm / P (Eq. 1)

where:

E = Particulate matter emission rate, kilograms of particulate matter per megagram of roofing product manufactured;

Mpm = Particulate matter mass emission rate, kilograms per hour, determined using Equation 2; and

P = The asphalt roofing product manufacturing rate during the emissions sampling period, including any material trimmed from the final product, megagram per hour.

Mpm = C * Q * K (Eq. 2)

where:

Mpm = Particulate matter mass emission rate, kilograms per hour;

C = Concentration of particulate matter on a dry basis, grams per dry standard cubic meter (g/dscm), as measured by the test method specified in Table 3 to this subpart;

Q = Vent gas stream flow rate (dry standard cubic meters per minute) at a temperature of 20 degrees C as measured by the test method specified in Table 3 to this subpart; and

K = Unit conversion constant (0.06 minute-kilogram/hour-gram.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 thru 5 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mat Unwind #2 (P916)

Activity Description: Unwinding of mat prior to dry looper on the strip (4-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Mat Unwind #2 - controlled by fabric filter	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), and 3745-17-08. 0.01 grain of particulate emissions per dry standard cubic foot of exhaust gas (gr/dscf) from the process dust collectors
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-07(B)	Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.
	OAC rule 3745-17-08	The unwind area shall be vented to a fabric filter through the use of localized hoods and/or exhaust pickups.
	OAC rule 3745-17-11	See A.I.2.a below.

2. Additional Terms and Conditions

2.a The particulate emission limitation specified in this rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05.

II. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within the normal operating range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the fabric filter on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and any visible emissions of fugitive dust. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The quarterly deviation reports are due by the dates specified in Part 1 - General Terms and Conditions of this permit under section (A)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall submit, within 90 days of permit issuance, documentation of the determined normal pressure drop range, in inches of water, for the fabric filter.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b), and the procedures specified in OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002 and the procedures specified in OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

0.01 grain of particulate emissions per dry standard cubic foot of exhaust gas (gr/dscf) from the fabric filter

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Filler Mixer #1 (P917)

Activity Description: Filler mixer for the laminate (3-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Asphalt Filler Mixer #1 controlled with a baghouse (serves 3-Wide Roofing Line)	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-08(B), 3745-31-13 through 3745-31-20, 3745-31-05(C), and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 0.05 lb/hr (stack emissions). Volatile organic compound (VOC) emissions shall not exceed 7.8 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 0.33 lb/hr. The hourly emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limitations. The control efficiency of the baghouse shall not be less than 99% for PE/PM-10. Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions). Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-07(A) OAC rule 3745-17-07(B) OAC rule 3745-17-11	The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B)	The filler mixer shall be adequately enclosed and vented to a baghouse.
	OAC rules 3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: VOC - 24.89 tpy CO - 1.06 tpy
	OAC rule 3745-31-05(C)(5)	See A.II.1 below. The emissions per rolling, 12-month period shall not exceed: PE/PM-10 - 0.20 tpy
	40 CFR Part 63, Subpart LLLLL	Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram of particulate per megagram (kg/Mg) (0.8 lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced. The compliance date for this rule is May 1, 2006. See sections A.III.4 through A.III.13 and A.IV.7 below.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The maximum throughput and production on the laminated (3-wide) roofing line shall not exceed 96,911.2 tons of asphalt throughput and 492,080.4 tons of shingle productions, based on rolling, 12-month summations. The permittee has existing operation records and, therefore, does not need to be limited to first year monthly throughput and production amounts.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The pressure drop across the baghouse shall be maintained within the normal established operating range while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the asphalt throughput and shingle production rates, in tons, for each month;

b. the PE/PM-10, CO and VOC emissions, in tons, for each month based upon the results of the latest stack test;

c. the rolling, 12-month summation of the asphalt throughput and shingle production rates, in tons; and

d. the rolling, 12-month summation of the PE/PM-10, CO and VOC emissions, in tons.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the baghouse on daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and any visible emissions of fugitive dust. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed the permittee shall perform Method 9 readings for a period of at least 30 minutes, and the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. Beginning May 1, 2006, the permittee shall maintain records of the inlet gas temperature and pressure drop data along with the 3-hour averages of the inlet gas temperature and pressure drop.

(Authority for term: 40 CFR 63.8694(c))

5. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c) (the permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods)); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

III. Monitoring and/or Record Keeping Requirements (continued)

6. For each temperature monitoring device, the permittee must meet the requirements in section A.III.5 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

7. For each pressure measurement device, the permittee must meet the requirements of section A.III.5 and the following:

a. Locate the pressure sensor(s) in, or as close as possible to, a position that provides a representative measurement of the pressure.

b Use a gauge with a minimum measurement sensitivity of 0.12 kiloPascals or a transducer with a minimum measurement sensitivity of 5 percent of the pressure range.

c. Check pressure tap pluggage daily. Perform an accuracy check at least quarterly or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output.

d. Conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor.

e. At least monthly or following an operating parameter deviation, perform a leak check of all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

f. At least quarterly or following an operating parameter deviation, perform visible inspections on all components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(c))

8. For monitoring parameters other than temperature and pressure drop, the permittee must install and operate a CPMS to provide representative measurements of the monitored parameters.

(Authority for term: 40 CFR Part 63.8688(d))

III. Monitoring and/or Record Keeping Requirements (continued)

9. As an option to installing the CPMS specified in section A.III.5, the permittee may install a continuous emissions monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

10. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

11. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

12. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

13. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following information:

a. all exceedances of the rolling, 12-month asphalt throughput and shingle production limitations; and

b. all exceedances of the rolling, 12-month PE/PM-10, CO and VOC emissions limitations.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

3. The quarterly deviation reports are due by the dates specified in Part 1 - General Terms and Conditions of this permit under section (A)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall also submit annual reports that specify the total PE/PM-10, VOC, and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: OAC rule 3745-77-07(C)(1))

5. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined normal pressure drop range, in inches of water, for the baghouse.

(Authority for term: OAC rule 3745-77-07(C)(1))

6. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the stack serving this emissions unit or any visible emissions of fugitive dust were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period and shall include copies of all Method 9 readings that were performed.

(Authority for term: OAC rule 3745-77-07(C)(1))

7. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the information required by 40 CFR 63.8693(c). The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

1.a Emission Limitation:

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average (stack emissions).

Applicable compliance method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

Visible emissions of fugitive dust shall not exceed 10% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitations:

0.05 lb/hr of PE/PM-10 (stack emissions)
0.20 ton per year of PE/PM-10 based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(1.57 PE/PM-10 lb/ton of asphalt) x (96,911.2 tons asphalt at coater/yr) x (1 ton/2000 lbs) x (1 - (Capture Efficiency)(Conftrol Efficiency)) = tpy of PE/PM-10

(Authority for term: OAC rule 3745-77-07(C)(1))

1.d Emission Limitations:

0.33 lb/hr of CO
1.06 tons per year of CO based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(0.022 CO lb/ton of asphalt) x (96,911.2 tons asphalt at coater/yr) x (1 ton/2000 lbs) = 1.06 tpy CO

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.e Emission Limitations:

7.8 lbs/hr of VOC
24.89 tons per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the annual emission limitation shall be based upon actual production and the following calculation:

(1.07 THC lb/ton of asphalt) x (VOC/THC ratio) X (96,911.2 tons asphalt at coater/yr) x (1 ton/2000 lbs) = 24.89 tpy VOC

(Authority for term: OAC rule 3745-77-07(C)(1))

1.f Emission Limitation:

Limit total particulate emissions from the coater, coating mixer, sealant applicator, and adhesive applicator on the 3-wide roofing line to 0.04 kilogram per megagram (kg/Mg) (0.08 pound per ton, lb/ton) of asphalt shingle or mineral-surfaced roll roofing produced.

Applicable Compliance Methods:

To determine compliance with the particulate matter mass emission rate, use equations 1 and 2 as follows:

E = Mpm / P (Eq. 1)

where:

E = Particulate matter emission rate, kilograms of particulate matter per megagram of roofing product manufactured;

Mpm = Particulate matter mass emission rate, kilograms per hour, determined using Equation 2; and

P = The asphalt roofing product manufacturing rate during the emissions sampling period, including any material trimmed from the final product, megagram per hour.

Mpm = C * Q * K (Eq. 2)

where:

Mpm = Particulate matter mass emission rate, kilograms per hour;

C = Concentration of particulate matter on a dry basis, grams per dry standard cubic meter (g/dscm), as measured by the test method specified in Table 3 to this subpart;

Q = Vent gas stream flow rate (dry standard cubic meters per minute) at a temperature of 20 ?C as measured by the test method specified in Table 3 to this subpart; and

K = Unit conversion constant (0.06 minute-kilogram/hour-gram).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e)(1))

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted wwithin 3 months after issuance of the permit and again within 6 months prior to permit expiration, except for PE/PM-10 testing which shall be conducted no later than 180 days after the compliance date for Subpart LLLLL.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for PE, PM-10, CO and VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M;

for CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 through 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Surfacing Material System #1 (P918)

Activity Description: Unloading, transfer, and storage of headlap granules

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Surfacing Material System #1 controlled with a baghouse	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-07(B), and 3745-17-08(B). 0.01 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf) from the process dust collector
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.a below.
	OAC rule 3745-17-08(B)	The use bins shall be adequately enclosed and vented to a baghouse.
	OAC rule 3745-17-11	See A.I.2.b below.
	40 CFR Part 60, Subpart UU	1% opacity from any mineral handling and storage emissions

2. Additional Terms and Conditions

2.a The opacity limitation required by this applicable rule is less stringent than the opacity emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

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

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 12.0 inches of water while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust and/or stack particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:

20% opacity as a 6-minute average for stack emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission test observations performed in accordance with the procedures specified in Method 9 of 40 CFR Part 60, Appendix A and OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

20% opacity as a 3-minute average for fugitive emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon visible emission test observations performed in accordance with the procedures specified in Method 9 of 40 CFR Part 60, Appendix A and OAC rule 3745-17-03(B)(3).

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

0.01 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf) from the process dust collector

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mineral Filler Storage System #1 (P919)

Activity Description: Storage of filler for the laminate (3-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Mineral Filler Storage System #1 - Filler Silos #1 and #2 controlled with 2 baghouses	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.a below.
	OAC rule 3745-17-08(B)	Each silo shall be vented to a dedicated baghouse.
	OAC rule 3745-17-11	3.42 lbs/hr of particulate emissions (based on an UMRE of 17.08 lbs/hr and Curve P-1 of Figure II)
	40 CFR Part 60, Subpart UU	1% opacity from any mineral handling and storage emissions

2. Additional Terms and Conditions

2.a The visible emission limitation specified by this applicable rule is less stringent than the visible emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 12.0 inches of water while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across each baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible particulate emissions from each baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust and/or stack particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

1% opacity from any mineral handling and storage emissions

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart UU)

V. Testing Requirements (continued)

1.b Emission Limitation:

3.42 lbs/hr of particulates

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with the procedures in Methods 1 through 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mineral Filler Storage System #2 (P920)

Activity Description: Storage of filler for the strip (4-wide) roofing line

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Mineral Filler Storage System #2 - Filler Silos #3 and #4 controlled with two baghouses	OAC rule 3745-31-05(A)(3) (PTI 16-01622)	0.09 lb/hr volatile organic compounds (VOC) (aggregate stack emissions from the 3 dust collectors associated with P904 and P920) 3.16 lbs/hr PM-10 (aggregate stack emissions from the 3 dust collectors associated with P904 and P920) The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B) and 40 CFR Part 60, Subpart UU.
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.a below.
	OAC rule 3745-17-08(B)	The pneumatic unloading and conveying and each storage silo shall be enclosed and vented to a dedicated baghouse.
	OAC rule 3745-17-11	See A.I.2.b below.
	40 CFR Part 60, Subpart UU	1% opacity as a 6-minute average

2. Additional Terms and Conditions

2.a The visible emission limitation specified by this applicable rule is less stringent than the visible emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

2.b The particulate emission limitation specified by this applicable rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05.

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 12.0 inches of water while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across each baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible particulate emissions from each baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust and/or stack particulate emissions were observed from this emissions unit and any emissions of fugitive dust and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

1% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart UU)

1.b Emission Limitation:

3.16 lbs/hr of PM-10

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with the procedures in Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

0.09 lb/hr VOC

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with the procedures in Methods 1 through 4 and Methods 18, 25 or 25A of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-21-10(C).

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Parting Agent Storage System (P921)

Activity Description: Storage of parting agent (backdust)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Parting Agent Storage System, controlled with a baghouse	OAC rule 3745-31-05(A)(3) (PTI 16-01622)	0.09 lb/hr volatile organic compounds (VOC) 0.39 tpy VOC 0.26 lb/hr PM-10 1.14 tpy PM-10 The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B) and 40 CFR Part 60, Subpart UU.
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.a below.
	OAC rule 3745-17-08(B)	The silo shall be enclosed and vented to a baghouse.
	OAC rule 3745-17-11	See A.I.2.b below.
	40 CFR Part 60, Subpart UU	1% opacity as a 6-minute average

2. Additional Terms and Conditions

2.a The visible emission limitation specified by this applicable rule is less stringent than the visible emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

2.b The particulate emission limitation specified by this applicable rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 12.0 inches of water while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust and/or stack particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:

1% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart UU)

1.b Emission Limitation:

0.26 lb/hr of PM-10

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with the procedures in Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

0.09 lb/hr VOC

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with the procedures in Methods 1 through 4 and Methods 18, 25 or 25A of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-21-10(C).

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Surfacing Material System #2 (P922)

Activity Description: Unloading, transfer, and storage of prime granules

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Surfacing Material System #2 controlled with a baghouse	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	0.01 grain of particulate emissions per dry standard cubic foot of exhaust gas (gr/dscf) from the process dust collector The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B) and 40 CFR Part 60, Subpart UU.
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-07(B)	See A.I.2.a below.
	OAC rule 3745-17-08(B)	The use bins shall be adequately enclosed and vented to a baghouse.
	OAC rule 3745-17-11	See A.I.2.b below.
	40 CFR Part 60, Subpart UU	1% opacity from the discharge of any mineral handling and storage facility

2. Additional Terms and Conditions

2.a The visible emission limitation specified by this applicable rule is less stringent than the visible emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

2.b The particulate emission limitation specified by this applicable rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 12.0 inches of water while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the baghouse on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust and visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust and/or stack particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

1% opacity from the discharge of any mineral handling and storage facility

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

0.01 grain of particulate emissions per dry standard cubic foot of exhaust gas (gr/dscf) from the baghouse

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #25 (T001)

Activity Description: Asphalt storage; 245,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#25 storage tank - fixed roof, heated asphalt storage tank, 245,000 gallons	OAC rule 3745-21-09(L)	exempt (see A.II.1)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09.

(Authority for term: OAC rules 3745-21-09(L) and 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rules 3745-21-09(L) and 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: OAC rules 3745-21-09(L) and 3745-77-07(C)(1))

2. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63.8693(b))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period and shall include copies of all Method 9 readings that were performed.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible particulate emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #24 (T004)

Activity Description: Asphalt storage; 245,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#24 storage tank - fixed roof asphalt storage tank, 245,000 gallons	OAC rule 3745-21-09(L)	exempt (see A.II.1)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09.

(Authority for term: OAC rules 3745-21-09(L) and 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rules 3745-21-09(L) and 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: OAC rules 3745-21-09(L) and 3745-77-07(C)(1))

2. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63.8693(b))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible particulate emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #23 (T005)

Activity Description: Asphalt storage; 345,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#23 storage tank - fixed roof asphalt storage tank, 345,000 gallons	OAC rule 3745-21-09(L)	exempt (see A.II.1)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09.

(Authority for term: OAC rules 3745-21-09(L) and 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rules 3745-21-09(L) and 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: OAC rules 3745-21-09(L) and 3745-77-07(C)(1))

2. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63.8693(b))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible particulate emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mineral Spirits Storage Tank #61 (T006)

Activity Description: Mineral spirits storage; 100,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#61 solvent storage tank - 100,000-gallon fixed roof solvent storage tank controlled with water-cooled vapor condenser	OAC rule 3745-31-05(A)(3) (PTI 16-01620)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(1). 0.34 tpy organic compounds (OC)
	OAC rule 3745-21-09(L)(1)	exempt (see A.II.1)

2. Additional Terms and Conditions

2.a The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a water cooled vapor condenser.

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09.

(Authority for term: OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

2. All openings, except stub drains, shall be equipped with a cover, seal or lid which is to be in the closed position at all times except when in actual use for tank gauging or sampling.

(Authority for term: OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

3. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

4. The permittee is not required to operate the condenser during mineral spirit unloading when the ambient temperature is less than 45 degrees F.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

2. The permittee shall properly operate and maintain equipment to continuously monitor and record the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis; and

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of becoming aware of the occurrence.

(Authority for term: OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

2. The permittee shall submit quarterly outlet water temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser did not comply with the temperature requirements specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0.34 tpy of OC

Applicable Compliance Method:

OC emissions from the storage tank shall be determined using USEPA's "Tanks Program 3.1" or AP-42 emission factors for working and breathing loss calculations.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #50 (T007)

Activity Description: Asphalt storage; 60,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Oxidized Asphalt Storage Tank #50 - 60,000-gallon fixed roof storage tank controlled by a JZ thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(L) and 3745-31-13 through 3745-31-20, 40 CFR Part 60, Subpart Kb, 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 0.01 lb/hr and 0.06 ton per year. Sulfur dioxide (SO2) emissions shall not exceed 0.21 lb/hr and 0.94 ton per year. Carbon monoxide (CO) emissions shall not exceed 0.02 lb/hr and 0.07 ton per year. Volatile organic compound (VOC) emissions shall not exceed 0.05 lb/hr and 0.21 ton per year. Hydrogen sulfide (H2S) emissions shall not exceed 0.006 lb/hr and 0.03 ton per year.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The hourly and annual emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly or annual records are required to demonstrate compliance with these limitations. The overall control efficiency (including capture and control) shall not be less than 95% for PE/PM-10, CO, VOC and H2S. PE emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.15 pound per hour and 0.64 ton per year, as a rolling, 12-month summation. NOx emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 1.47 pounds per hour and 6.43 tons per year, as a rolling, 12-month summation. SO2 emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 3.13 pounds per hour and 13.69 tons per year, as a rolling, 12-month summation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		CO emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.84 pound per hour and 3.68 tons per year, as a rolling, 12-month summation. OC emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.06 pound per hour and 0.24 ton per year, as a rolling, 12-month summation.
	OAC rule 3745-17-07(A) OAC rule 3745-17-11	The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05 (A)(3), 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL.
	OAC rule 3745-21-09(L)	See A.II.1 below.
	OAC rules 3745-3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: CO - 0.07 tpy VOC - 0.21 tpy SO2 - 0.94 tpy The overall control efficiency (including capture and control) shall not be less than 95% for CO and VOC.
	40 CFR Part 60, Subpart Kb	See A.I.2.a below.
	40 CFR Part 60, Subpart UU	Visible emissions to the ambient air shall not exceed 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 63, Subpart LLLLL	Exempt per 40 CFR 63.8681(c) since subject to 40 CFR Part 60, Subpart Kb.

2. Additional Terms and Conditions

2.a The permittee shall install a closed vent system and control device meeting the following specifications:

i. the closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as specified by an instrument reading of less than 500 ppm above background and visual inspections as determined in paragraph 60.485(b); and

ii. the control device shall be designed and operated to reduce inlet VOC emissions by 95% or greater.

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) or OAC rule 3745-21-09.

(Authority for term: PTI 16-02347 and OAC rules 3745-21-09(L) and 3745-77-07(A)(1))

2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1))

3. The operating range for the vacuum manifold static pressure shall be continuously maintained within the normal established operating range (see section A.IV.8) while the emissions unit is in operation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep copies of all records required by this section, except for the record required by section A.III.2, for at least 2 years. The records required by section A.III.2 shall be kept for the life of the source.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissiosn unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. The permittee shall operate and maintain a continuous monitor and recorder that measure the static pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating static pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

6. The permittee shall maintain monthly records that show the date(s) and time(s) when the vacuum manifold static pressure fell below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director, for review during normal business hours.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

7. The permittee shall maintain records of the following:

a. the types of petroleum liquids stored in the tank;

b. the period of storage; and

c. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid.

(Authority for term: PTI 16-02347 and OAC rules 3745-21-09(L) and 3745-77-07(C)(1))

8. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the CO, VOC, and SO2 emissions, in tons, from both the tank and products of combustion of the incinerator for each month based upon the results of the latest stack test; and

b. the rolling, 12-month summation of CO, VOC, and SO2 emissions in tons from both the tank and products of combustion of the incinerator.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

9. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term A.II.1. Each report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly deviation (excursion) reports that identify all times during which the static pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month CO, VOC, and SO2 emission limitations from both the tank and products of combustion of the incinerator.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements as specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with OAC rule 3745-21-09(L)(1), the permittee shall so notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: PTI 16-02347 and OAC rules 3745-21-09(L) and 3745-77-07(A)(1))

6. After installing the control equipment required in section A.I.2.a, the permittee shall submit a report to the Director (the Akron RAQMD) that certifies that the control equipment meets the specifications of paragraph 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). This report shall be an attachment to the notification required by paragraph 60.7(a)(3).

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

7. The permittee shall also submit annual reports that specify the total SO2, CO, and VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15th of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

8. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined static pressure normal operating range, in inches of water, for the vacuum manifold.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

9. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions and (c) provide a summary of all Method 9 readings taken. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible emissions to the ambient air shall not exceed 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:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.b Emission Limitations:

0.01 lb/hr of PE/PM-10
0.06 ton per year of PE/PM-10

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation was developed by multiplying the short-term allowable PE/PM-10 limitation (0.01 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.c Emission Limitations:

0.21 lb/hr of SO2
0.94 ton per year of SO2, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (0.21 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.d Emission Limitation:

0.05 lb/hr of VOC
0.21 ton per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the ton per year limitation shall be demonstrated through the record keeping requirements specified in section A.III.8.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.e Emission Limitations:

0.006 lb/hr of H_2S
0.03 ton per year of H_2S

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation was developed by multiplying the short-term allowable H_2S limitation (0.006 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.f Emission Limitations:

0.02 lb/hr of CO
0.07 ton per year of CO

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the ton per year limitation shall be demonstrated through the record keeping requirements specified in section A.III.8.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.g Emission Limitations:

0.15 lb/hr of PE (products of combustion from incinerator)
0.64 ton per year of PE based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 5 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable PE limitation (0.15 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.h Emission Limitations:

0.84 lb/hr of CO (products of combustion from incinerator)
3.68 tons per year of CO based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of natural gas.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 10 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (0.84 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.i Emission Limitation:

3.13 lbs/hr of SO2 (products of combustion from incinerator)
13.69 tons per year of SO2 based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 6 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (3.13 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.j Emission Limitation:

0.06 lb/hr of VOC (products of combustion from incinerator)
0.24 ton per year of VOC based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of natural gas.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 18 or 25/25A of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.06 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.k Emission Limitations:

1.47 lbs/hr NOx (products of combustion from incinerator)
6.43 tons per year of NOx based upon a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 7 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (1.47 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

2. 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 3 months after issuance of the permit and 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s), including products of combustions, for PE, PM-10, H2S, SO2, CO, NOx, and VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M;

for H2S, Methods 1 through 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A;

for NOx, Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 through 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #52 (T008)

Activity Description: Asphalt storage; 30,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
storage tank #52 - 30,000-gallon asphalt storage tank controlled with a thermal incinerator	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-11	54.27 lbs/hr particulate emissions (based on a process weight rate of 134.06 tph and Table I)
	OAC rule 3745-21-09(L)	exempt (see A.I.2.b)
	40 CFR Part 60, Subpart UU	Visible emissions to the ambient air shall not exceed 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, Subpart UU is not applicable after May 1, 2006 per 40 CFR Part 63, Subpart LLLLL.
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a The visible particulate emission limitation required by OAC rule 3745-17-07 is less stringent than the visible particulate emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature established during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for a period of at least 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. These deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

4. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

V. Testing Requirements

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

1.a Emission Limitation:

Visible emissions to the ambient air shall not exceed 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:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1)) and 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #53 (T009)

Activity Description: Asphalt storage; 60,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
storage tank #53 - 60,000-gallon, heated asphalt storage tank controlled with a thermal incinerator	OAC rule 3745-17-07(A)	The following visible particulate emission limitation from OAC rule 3745-17-07(A) will become effective on May 1, 2006 when 40 CFR Part 60, Subpart UU is replaced by 40 CFR Part 63, Subpart LLLLL: Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule. See section A.I.2.a below.
	OAC rule 3745-17-11	54.27 lbs/hr particulate emissions (based on a process weight rate of 134.06 tph and Table I)
	OAC rule 3745-21-09(L)	See section A.I.2.b below.
	40 CFR Part 60, Subpart UU	Visible emissions to the ambient air shall not exceed 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, Subpart UU is not applicable after May 1, 2006 per 40 CFR Part 63, Subpart LLLLL.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 63, Subpart LLLLL	Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5%. The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a The visible particulate emission limitation required by OAC rule 3745-17-07 is less stringent than the visible particulate emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

When 40 CFR Part 63, Subpart LLLLL becomes an applicable rule on May 1, 2006, the visible particulate emission limitation required by OAC rule 3745-17-07(A) becomes effective.

2.b The permittee shall vent emissions from the fixed roof tank to a thermal incinerator.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature established during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rules 3745-21-09(L)(3) and 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log and perform Method 9 readings for a minimum period of 30 minutes:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. Beginning May 1, 2006, the permittee shall maintain records of the combustion zone temperature data along with the 3-hour averages of the combustion zone temperature.

(Authority for term: 40 CFR 63.8694(c))

5. By May 1, 2006, the permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the following:

a. the CPMS must complete a minimum of one cycle of operation for each successive 15-minute period;

b. to determine the 3-hour average, the permittee must:

i. have a minimum of four successive cycles of operation to have a valid hour of data;

ii. have valid data from at least three of four equally spaced data values for that hour from a CPMS that is not out-of-control according to the permittee's site-specific monitoring plan; and

iii. determine the 3-hour average of all recorded readings for each operating day, except as stated in section 63.8690(c) (the permittee must have at least two of the three hourly averages for that period using only hourly average values that are based on valid data (i.e., not from out-of-control periods); and

c. the permittee must record the results of each inspection, calibration, and validation check.

(Authority for term: 40 CFR 63.8688(a))

III. Monitoring and/or Record Keeping Requirements (continued)

6. For each temperature monitoring device, the permittee must meet the requirements in section A.III.5 and the following:

a. locate the temperature sensor in a position that provides a representative temperature;

b. for a noncryogenic temperature range, use a temperature sensor with a minimum measurement sensitivity of 2.8 degrees C or 1.0 percent of the temperature value, whichever is larger;

c. if a chart recorder is used, it must have a sensitivity in the minor division of at least 20 degrees F;

d. perform an accuracy check at least semiannually or following an operating parameter deviation:

i. according to the procedures in the manufacturer's documentation; or

ii. by comparing the sensor output to redundant sensor output; or

iii. by comparing the sensor output to the output from a calibrated temperature measurement device; or

iv. by comparing the sensor output to the output from a temperature simulator; and

e. conduct accuracy checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor; and

f. at least quarterly or following an operating parameter deviation, perform visual inspections of components if redundant sensors are not used.

(Authority for term: 40 CFR Part 63.8688(b))

7. As an option to installing the CPMS specified in section A.III.5, the permittee may install a continuous emission monitoring system (CEMS) or a continuous opacity monitoring system (COMS) that meets the requirements specified in section 63.8 and the applicable performance specifications of 40 CFR Part 60, Appendix B.

(Authority for term: 40 CFR Part 63.8688(f))

8. For each monitoring system required in this section, the permittee must develop and make available for inspection by the permitting authority, upon request, a site-specific monitoring plan that addresses the following:

a. installation of the CPMS, CEMS, or COMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

b. performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction system; and

c. performance evaluation procedures and acceptance criteria (e.g., calibrations).

(Authority for term: 40 CFR Part 63.8688(g))

III. Monitoring and/or Record Keeping Requirements (continued)

9. The site-specific monitoring plan must also address the following:

a. ongoing operation and maintenance procedures in accordance with the general requirements of sections 63.8(c)(1), (c)(3), (c)(4)(ii), (c)(7), and (c)(8);

b. ongoing data quality assurance procedures in accordance with the general requirements of section 63.8(d); and

c. ongoing record keeping and reporting procedures in accordance with the general requirements of sections 63.10(c), (e)(1), and (e)(2)(i).

(Authority for term: 40 CFR Part 63.8688(h))

10. The permittee must conduct a performance evaluation of each CPMS, CEMS, or COMS in accordance with the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(i))

11. The permittee must operate and maintain the CPMS, CEMS, or COMS in continuous operation according to the site-specific monitoring plan.

(Authority for term: 40 CFR 63.8688(j)).

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. These deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: OAC rules 3745-21-09(L)(4) and 3745-77-07(C)(1))

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions and (c) include copies of all Method 9 readings that were performed. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

5. Beginning May 1, 2006, the permittee shall submit compliance reports that contain the following information:

(a) company name and address;

(b) statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report;

(c) date of report and beginning and ending dates of the reporting period;

(d) if you had a startup, shutdown or malfunction during the reporting period and you took actions consistent with your SSMP, the compliance report must include the information in 63.10(d)(5)(i);

(e) if there are no deviations from any emission limitations (emission limit, operating limit, opacity limit, and visible emission limit) that apply to you, a statement that there were no deviations from the emission limitations during the reporting period; and

(f) if there were no periods during which the CPMS, CEMS, or COMS was out-of-control as specified in 63.8(c)(7), a statement that there were no periods during which the CPMS, CEMS, or COMS was out-of-control during the reporting period.

The reports shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. The compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(Authority for term 40 CFR 63.8693(b)(3) & (b)(4))

V. Testing Requirements

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

1.a Emission Limitation:

Visible emissions to the ambient air shall not exceed 0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing.

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

Either reduce total hydrocarbon mass emissions by 95%, or to a concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen; or route the emissions to a combustion device achieving a combustion efficiency of 99.5 percent.

Applicable Compliance Method:

To determine compliance with the total hydrocarbon percent reduction standard, use Equations 3 and 4 of this section as follows:

RE = [(Mthci - Mthco) / (Mthci)] * 100 (Eq. 3)

where:

RE = Emission reduction efficiency, percent;

Mthci = Mass flow rate of total hydrocarbons entering the control device, kilograms per hour, determined using Equation 4; and

Mthco = Mass flow rate of total hydrocarbons exiting the control device, kilograms per hour, determined using Equation 4.

Mthc = C * Q * K (Eq. 4)

where:

Mthc = Total hydrocarbon emission rate, kilograms per hour;

C = Concentration of total hydrocarbons on a dry basis, parts per million by volume (ppmv), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

Q = Vent gas stream flow rate (dscmm) at a temperature of 20 degrees C as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

K = Unit conversion constant (3.00E-05) (ppmv)^-1 (gram-mole/standard cubic meter) (kilogram/gram) (minutes/hour)), where standard temperature for gram-mole/standard cubic meter is 20 degrees C.

V. Testing Requirements (continued)

To determine compliance with the combustion efficiency standard, Equation 5 of this section must be used as follows:

CE = [1 - (CO / CO2) - (THC / CO2)] (Eq. 5)

where:

CE = Combustion efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL; and

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

To determine compliance with the total hydrocarbon destruction efficiency standard for a combustion device that does not use auxiliary fuel, Equation 6 of this section must be used as follows:

THC DE = [(CO + CO2) / (CO + CO2 + THC)] (Eq. 6)

where:

THC DE = THC destruction efficiency, percent;

CO = Carbon monoxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

CO2 = Carbon dioxide concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL;

THC = Total hydrocarbon concentration at the combustion device outlet, parts per million by volume (dry), as measured by the test method specified in Table 3 of 40 CFR Part 63, Subpart LLLLL.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8687(e))

1.c Emission Limitation:

54.27 lbs/hr particulate emissions
(based on a process weight rate of 134.06 tph and Table I)

Applicable Compliance Method:

Compliance shall be determined based upon a stack test performed in accordance with the procedures specified in Methods 1 through 5 of 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mineral Spirits Storage Tank #60 (T010)

Activity Description: Mineral spirits storage; 28,600 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#60 solvent storage tank - 28,600-gallon fixed roof solvent storage tank controlled with water-cooled vapor condenser	OAC rule 3745-31-05(A)(3) (PTI 16-1620)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(2). 0.20 tpy of organic compounds (OC)
	OAC rule 3745-21-09(L)(2)	exempt (see A.I.2.a)

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.b The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a water cooled vapor condenser.

II. Operational Restrictions

1. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-01620)

2. The permittee is not required to operate the condenser during mineral spirit unloading when the ambient temperature is less than 45 degrees F.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to continuously monitor and record the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis; and

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly outlet water temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser did not comply with the temperature requirements specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0.20 tpy of OC

Applicable Compliance Method:

OC emissions from the storage tank shall be determined using USEPA's "Tanks Program 3.1" or AP-42 emission factors for working and breathing loss calculations.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01620)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cutback Asphalt Storage Tank #62 (T011)

Activity Description: Cutback asphalt blending, cooling, and storage; 100,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#62 cutback storage tank - 100,000-gallon fixed roof asphalt cutback storage tank controlled with water-cooled vapor condenser	OAC rule 3745-31-05(A)(3) (PTI 16-1620)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(1). 0.66 tpy of organic compounds (OC)
	OAC rule 3745-21-09(L)(1)	exempt (see A.II.1)

2. Additional Terms and Conditions

2.a The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a water cooled vapor condenser.

2.b The permittee shall only store cutback asphalts in this emissions unit.

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09.

(Authority for term: PTI 16-01620, OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

2. All openings, except stub drains, shall be equipped with a cover, seal or lid which is to be in the closed position at all times except when in actual use for tank gauging or sampling.

(Authority for term: PTI 16-01620, OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

3. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

(Authority for term: PTI 16-01620 and OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: PTI 16-01620, OAC rules 3745-21-09(L)(3) and 3745-77-07(A)(1))

2. The permittee shall properly operate and maintain equipment to continuously monitor and record the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis; and

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: PTI 16-01620, OAC rules 3745-21-09(L)(4) and 3745-77-07(A)(1))

2. The permittee shall submit quarterly outlet water temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser did not comply with the temperature requirements specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.I.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0.66 tpy of OC

Applicable Compliance Method:

OC emissions from the storage tank shall be determined using USEPA's "Tanks Program 3.1" or AP-42 emission factors for working and breathing loss calculations.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cutback Asphalt Storage Tank #65 (T012)

Activity Description: Cutback asphalt blending, cooling, and storage; 28,600 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#65 asphalt cutback storage tank - 28,600-gallon fixed roof asphalt cutback storage tank controlled with water-cooled vapor condenser	OAC rule 3745-31-05(A)(3) (PTI 16-1620)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(1). 1.79 tpy of organic compounds (OC)
	OAC rule 3745-21-09(L)(1)	exempt (see A.I.2.c)

2. Additional Terms and Conditions

2.a The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a water cooled vapor condenser.

2.b The permittee shall only store cutback asphalts in this emissions unit.

2.c In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

1. All openings, except stub drains, shall be equipped with a cover, seal or lid which is to be in the closed position at all times except when in actual use for tank gauging or sampling.

(Authority for term: OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

2. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rules 3745-21-09(L)(3) and 3745-77-07(A)(1))

2. The permittee shall properly operate and maintain equipment to continuously monitor and record the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis; and

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly outlet water temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser did not comply with the temperature requirements specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.I.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

1.79 tpy of OC

Applicable Compliance Method:

OC emissions from the storage tank shall be determined using USEPA's "Tanks Program 3.1" or AP-42 emission factors for working and breathing loss calculations.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cutback Asphalt Storage Tank #66 (T013)

Activity Description: Cutback asphalt blending, cooling, and storage; 28,600 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#66 asphalt cutback storage tank - 28,600-gallon fixed roof asphalt cutback storage tank controlled with water-cooled vapor condenser	OAC rule 3745-31-05(A)(3) (PTI 16-1620)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(1). 1.13 tpy of organic compounds (OC)
	OAC rule 3745-21-09(L)(1)	exempt (see A.I.2.c)

2. Additional Terms and Conditions

2.a The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a water cooled vapor condenser.

2.b The permittee shall only store cutback asphalts in this emissions unit.

2.c In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

1. All openings, except stub drains, shall be equipped with a cover, seal or lid which is to be in the closed position at all times except when in actual use for tank gauging or sampling.

(Authority for term: OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

2. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rules 3745-21-09(L)(3) and 3745-77-07(A)(1))

2. The permittee shall properly operate and maintain equipment to continuously monitor and record the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis; and

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly outlet water temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser did not comply with the temperature requirements specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.I.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

1.13 tpy of OC

Applicable Compliance Method:

OC emissions from the storage tank shall be determined using USEPA's "Tanks Program 3.1" or AP-42 emission factors for working and breathing loss calculations.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #26 (T014)

Activity Description: Asphalt storage; 29,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#26 storage tank - 29,000-gallon fixed roof asphalt storage tank	OAC rule 3745-21-09(L)	exempt (see A.I.2.a)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #27 (T015)

Activity Description: Asphalt storage; 29,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#27 storage tank - 29,000-gallon fixed roof asphalt storage tank	OAC rule 3745-21-09(L)	exempt (see A.I.2.a)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #30 (T016)

Activity Description: Asphalt storage; 18,500 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#30 storage tank - 18,500-gallon fixed roof asphalt storage tank	OAC rule 3745-21-09(L)	exempt (see A.I.2.a)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #31 (T017)

Activity Description: Asphalt storage; 18,500 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#31 storage tank - 18,500-gallon fixed roof asphalt storage tank	OAC rule 3745-21-09(L)	exempt (see A.I.2.a)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #40 (T018)

Activity Description: Asphalt storage; 18,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#40 storage tank - 18,000-gallon fixed roof asphalt storage tank	OAC rule 3745-21-09(L)	exempt (see A.I.2.a)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #41 (T019)

Activity Description: Asphalt storage; 18,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#41 storage tank - 18,000-gallon fixed roof asphalt storage tank	OAC rule 3745-21-09(L)	exempt (see A.I.2.a)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #42 (T020)

Activity Description: Asphalt storage; 18,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#42 storage tank - 18,000-gallon fixed roof asphalt storage tank	OAC rule 3745-21-09(L)	exempt (see A.I.2.a)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #32 (T021)

Activity Description: Asphalt storage; 18,500 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#32 storage tank - 18,500-gallon fixed roof asphalt storage tank	OAC rule 3745-21-09(L)	exempt (see A.I.2.a)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

This requirement shall not take effect until May 1, 2006 which is the compliance date for 40 CFR Part 63, Subpart LLLL.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 1 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cutback Asphalt Storage Tank #64 (T022)

Activity Description: Cutback asphalt blending, cooling, and storage; 28,600 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#64 asphalt cutback storage tank - 28,600-gallon fixed roof asphalt cutback storage tank controlled with water-cooled vapor condenser	OAC rule 3745-31-05(A)(3) (PTI 16-1620)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(2). 2.38 tpy of organic compounds (OC)
	OAC rule 3745-21-09(L)(2)	exempt (see A.I.2.a)

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.b The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a water cooled vapor condenser.

II. Operational Restrictions

1. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

2. The permittee shall only store cutback asphalts in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to continuously monitor and record the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis; and

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly outlet water temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser did not comply with the temperature requirements specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.I.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

2.38 tpy of OC

Applicable Compliance Method:

OC emissions from the storage tank shall be determined using USEPA's "Tanks Program 3.1" or AP-42 emission factors for working and breathing loss calculations.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cutback Asphalt Storage Tank #63 (T023)

Activity Description: Cutback asphalt blending, cooling, and storage; 28,600 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
#63 asphalt cutback storage tank - 28,600-gallon fixed roof asphalt cutback storage tank controlled with water-cooled vapor condenser	OAC rule 3745-31-05(A)(3) (PTI 16-1620)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(2) and 40 CFR Part 60, Subpart Kb. 2.80 tpy of organic compounds (OC)
	OAC rule 3745-21-09(L)(2)	exempt (see A.I.2.a)
	40 CFR Part 60, Subpart Kb	exempt (see A.2.c)

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.b The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a water-cooled vapor condenser.

2.c In accordance with 40 CFR 60.11b(b), this subpart does not apply to storage vessels with a capacity greater than or equal to 151 m3 storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m3 but less than 151 m3 storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

II. Operational Restrictions

1. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

(Authority for term: PTI 16-01620, and OAC rule 3745-77-07(A)(1))

2. The permittee shall only store cutback asphalts in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1))

II. Operational Restrictions (continued)

3. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a maximum true vapor pressure greater than 4.0 pounds per square inch absolute.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-01620)

4. The permittee shall not store waste or waste mixtures in this vessel.

(Authority for term: OAC rule 3745-77-07(A)(1) and 16-01620)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to continuously monitor and record the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis; and

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall notify the Administrator within 30 days when the maximum true vapor pressure of the liquid exceeds 15.0 kPa.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart Kb)

2. The permittee shall submit quarterly outlet water temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser did not comply with the temperature requirements specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the maximum true vapor pressure exceeded 4.0 pounds per square inch absolute.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

2.80 tpy of OC

Applicable Compliance Method:

OC emissions from the storage tank shall be determined using USEPA's "Tanks Program 3.1" or AP-42 emission factors for working and breathing loss calculations.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01620)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #28 (T026)

Activity Description: Asphalt storage; 29,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
29,000-gallon, heated asphalt storage tank - tank #28 controlled with a thermal incinerator	OAC rule 3745-21-09(L)(2)	See A.I.2.a below.
	OAC rule 3745-17-07(A)	See A.1.2.c below.
	OAC rule 3745-17-11	54.27 lbs/hr particulate emissions (based on a process weight rate of 134.06 tph and Table I)
	40 CFR Part 60, Subpart UU	See A.I.2.b below. 40 CFR Part 60, Subpart UU is not applicable after May 1, 2006 per 40 CFR Part 63, Subpart LLLLL.
	40 CFR Part 60, Subpart Kb	Exempt (see A.I.2.d)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.b Visible emissions to the atmosphere shall not exceed 0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. The control device shall not be bypassed during this 15-minute period.

2.c The visible particulate emission limitation based on OAC rule 3745-17-07 is less stringent than the visible particulate emission limitations established pursuant to 40 CFR Part 60, Subpart UU and 40 CFR Part 63, Subpart LLLLL.

2. Additional Terms and Conditions (continued)

2.d In accordance with 40 CFR 60.11b(b), this subpart does not apply to storage vessels with a capacity greater than or equal to 151 m3 storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m3 but less than 151 m3 storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain a record showing the dimensions of this vessel and an analysis showing the capacity. This record shall be kept for the life of the emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 observations for a minimum of 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

54.27 lbs/hr particulate emissions
(based on a process weight rate of 134.06 tph and Table I)

Applicable Compliance Method:

Compliance shall be determined based upon a stack test performed in accordance with the procedures specified in Methods 1 through 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #29 (T027)

Activity Description: Asphalt storage; 100,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
storage tank #29 - 100,000-gallon asphalt storage tank controlled with a thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-600)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-07(A) and 3745-21-09(L) and the applicable portions of 40 CFR Part 60, Subparts Kb and UU. Particulate emissions (PE) shall not exceed 0.10 tons per year. Sulfur dioxide (SO2) emissions shall not exceed 0.02 tons per year. Organic compound (OC) emissions shall not exceed 0.35 tons per year. Nitrogen oxide (NOx) emissions shall not exceed 3.5 tons per year. Carbon monoxide emissions shall not exceed 0.7 tons per year.
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-11	54.27 lbs/hr particulate emissions (based on a process weight rate of 134.06 tph and Table I)
	OAC rule 3745-21-09(L)	exempt (see A.II.2)
	40 CFR Part 60, Subpart UU	Visible emissions to the ambient air shall not exceed 0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 60, Subpart Kb	95% control efficiency for VOC

2. Additional Terms and Conditions

2.a The visible particulate emission limitation required by OAC rule 3745-17-07 is less stringent than the visible particulate emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

2.b The emissions unit shall be equipped with a submerged fill pipe.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

2. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09.

(Authority for term: OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rules 3745-21-09(L)(3) and 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for a minimum of 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. These deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: OAC rules 3745-21-09(L)(4) and 3745-77-07(C)(1))

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period and shall include copies of all Method 9 readings that were performed.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible emissions to the ambient air shall not exceed 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:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

95% control efficiency for VOC

Applicable Compliance Method:

Compliance with the control efficiency limitation for VOC shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 6 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the control efficiency limitation for VOC. The test method(s) which must be employed to demonstrate compliance with the control efficiency limitation are specified below.

c. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #44 (T029)

Activity Description: Asphalt storage; 400,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
storage tank #44 - 400,000-gallon asphalt storage tank controlled with a thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-1595)	The requirements of this rule also include compliance with OAC rule 3745-17-11, OAC rule 3745-21-09(L), 40 CFR Part 60, Subpart UU, and 40 CFR Part 60, Subpart Kb. 0.22 lb/hr and 0.96 tons per year of PM10 2.0 lbs/hr and 8.76 tons per year of volatile organic compounds (VOC) 0.5 lb/hr and 2.19 tons per year of nitrogen oxides (NOx) 1.75 lbs/hr and 7.67 tons per year of carbon monoxide (CO)
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-11	54.27 lbs/hr particulate emissions (based on process weight rate of 134.06 tph and Table II)
	OAC rule 3745-21-09(L)	exempt (see A.II.1)
	40 CFR Part 60, Subpart UU	Visible emissions to the ambient air shall not exceed 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, Subpart Kb	95% control efficiency for VOC

2. Additional Terms and Conditions

2.a The visible particulate emission limitation required by OAC rule 3745-17-07 is less stringent than the visible particulate emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

2.b The emissions unit shall be equipped with a submerged fill pipe.

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09.

(Authority for term: OAC rules 3745-21-09(L)(1) and 3745-77-07(A)(1))

2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rules 3745-21-09(L)(3) and 3745-77-07(C)(1))

2. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for a minimum of 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: OAC rules 3745-21-09(L)(4) and 3745-77-07(C)(1))

2. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. These deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period and shall contain copies of all Method 9 readings that were taken.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible emissions to the ambient air shall not exceed 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:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

95% control efficiency for VOC

Applicable Compliance Method:

Compliance with the control efficiency limitation for VOC shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

0.22 lb/hr and 0.96 tpy of PM10

Applicable Compliance Method:

Compliance with this mass emission limitation shall be demonstrated based on the requirements specified in Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable PM10 limitation (0.22 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.d Emission Limitation:

2.0 lbs/hr and 8.76 tpy of VOC

Applicable Compliance Method:

Compliance with this mass emission limitation shall be demonstrated based on the requirements specified in Methods 1 through 4 and Method 25 or 25A of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (2.0 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.e Emission Limitation:

0.5 lb/hr and 2.19 tpy of NOx

Applicable Compliance Method:

Compliance with this mass emission limitation shall be demonstrated based on the requirements specified in Methods 1 through 4 and Method 7 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (0.5 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.f Emission Limitation:

1.75 lbs/hr and 7.67 tpy of CO

Applicable Compliance Method:

Compliance with this mass emission limitation shall be demonstrated based on the requirements specified in Methods 1 through 4 and Method 10 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (1.75 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 6 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the control efficiency limitation for VOC. The test method(s) which must be employed to demonstrate compliance with the control efficiency limitation are specified below.

c. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #36 (T030)

Activity Description: Asphalt storage; 100,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
coating storage tank #36 - 100,000-gallon fixed roof asphalt storage tank/coating tank controlled with a thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-1622)	The requirements of this rule also include the requirements of OAC rule 3745-17-11, OAC rule 3745-21-09(L), 40 CFR Part 60, Subpart Kb, and 40 CFR Part 60, Subpart UU. 1.51 lbs/hr and 6.61 tpy of sulfur dioxide (SO2) 0.32 lb/hr and 1.40 tpy of carbon monoxide (CO) 0.40 lb/hr and 1.75 tpy of volatile organic compounds (VOC) 0.11 lb/hr and 0.48 tpy of particulates (PM10)
	OAC rule 3745-21-09(L)(1)(a)(ii)	See A.I.2.a below.
	40 CFR Part 60, Subpart Kb	See A.I.2.b below.
	40 CFR Part 60, Subpart UU	See A.I.2.c below.
	OAC rule 3745-17-07(A)	See A.I.2.d below.
	OAC rule 3745-17-11	54.27 lbs/hr particulate emissions (based on a process weight rate of 134.06 tph and Table I)

2. Additional Terms and Conditions

2.a The emissions unit shall be equipped with a submerged fill pipe and shall be vented to a fume incinerator to control asphalt fumes.

2. Additional Terms and Conditions (continued)

2.b The permittee shall employ a closed vent system and control device meeting the following specifications:

i. The closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in 40 CFR Part 60, Subpart VV Section 60.485(b).

ii. The control device shall be designed and operated to reduce inlet VOC emissions by 95 percent or greater.

2.c Visible emissions to the atmosphere shall not exceed 0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. The control device shall not be bypassed during this 15-minute period.

2.d The visible particulate emission limitation required by OAC rule 3745-17-07 is less stringent than the visible particulate emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

2. The permittee of each source that is equipped with a closed vent system and control device as required in Section 60.112b (a)(3) or (b)(2) of 40 CFR Part 60 (other than a flare) is exempt from Section 60.8 of the General Provisions and shall meet the following requirements:

a. Submit for approval by the Administrator as an attachment to the notification required by Section 60.7(a)(1) of 40 CFR Part 60 or, if the facility is exempt from Section 60.7(a)(1) of 40 CFR Part 60, as an attachment to the notification required by Section 60.7(a)(2) of 40 CFR Part 60, an operating plan containing the information listed below.

i. Documentation demonstrating that the control device will achieve the required control efficiency during maximum loading conditions. This documentation is to include a description of the gas stream which enters the control device, including flow and VOC content under varying liquid level conditions (dynamic and static) and manufacturer's design specifications for the control device. If the control device or the closed vent capture system receives vapors, gases, or liquids other than fuels from sources that are not designated sources under this subpart, the efficiency demonstration is to include consideration of all vapors, gases, and liquids received by the closed vent capture system and control device. If an enclosed combustion device with a minimum residence time of 0.75 second and a minimum temperature of 816 degrees Celsius is used to meet the 95 percent requirement, documentation that those conditions will exist is sufficient to meet the requirements of this paragraph.

ii. A description of the parameter or parameters to be monitored to ensure that the control device will be operated in conformance with its design and an explanation of the criteria used for selection of that parameter (or parameters).

b. Operate the closed vent system and control device and monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to the Administrator in accordance with paragraph (a) of this section, unless the plan was modified by the Administrator during the review process. In this case, the modified plan applies.

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 60 Subpart Kb)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart Kb)

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for a minimum of 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period and shall contain copies of all Method 9 readings that were taken.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible emissions to the atmosphere shall not exceed 0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

95% control efficiency for VOC

Applicable Compliance Method:

Compliance shall be demonstrated based upon the requirements specified in OAC rule 3745-21-10.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.c Emission Limitation:

1.51 lbs/hr and 6.61 tpy of SO2

Applicable Compliance Method:

Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in Methods 1 through 4 and Method 6 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (1.51lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.d Emission Limitation:

0.32 lb/hr and 1.40 tpy of CO

Applicable Compliance Method:

Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in Methods 1 through 4 and Method 10 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (0.32 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.e Emission Limitation:

0.4 lb/hr and 1.75 tpy of VOC

Applicable Compliance Method:

Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in Methods 1 through 4 and Method 25/25A of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.40 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.f Emission Limitation:

0.11 lb/hr and 0.48 tpy of PM10

Applicable Compliance Method:

Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable PM10 limitation (0.11 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #51 (T031)

Activity Description: Asphalt storage; 29,600 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
29,600-gallon asphalt storage tank - tank #51 controlled with a thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-1825)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(2), 40 CFR Part 60, Subpart UU, 40 CFR Part 60, Subpart Kb, and 40 CFR Part 63, Subpart LLLLL. 2.01 tpy of sulfur dioxide (SO2) 0.05 tpy of carbon monoxide (CO) 1.0 tpy of organic compounds (OC) 0.3 tpy of particulates
	OAC rule 3745-21-09(L)(2)	See A.I.2.a below.
	40 CFR Part 60, Subpart UU	See A.I.2.b below. 40 CFR Part 60, Subpart UU is not applicable after May 1, 2006 per 40 CFR Part 63, Subpart LLLLL.
	40 CFR Part 60, Subpart Kb	Exempt (see A.I.2.d below)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.b Visible emissions to the atmosphere shall not exceed 0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. The control device shall not be bypassed during this 15-minute period.

2.c The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a fume incinerator to control asphalt fumes.

2.d In accordance with 40 CFR 60.11b(b), this subpart does not apply to storage vessels with a capacity greater than or equal to 151 m3 storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m3 but less than 151 m3 storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

II. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The permittee shall maintain a record showing the dimensions of this vessel and an analysis showing the capacity. This record shall be kept for the life of the emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 60, Subpart Kb)

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for a minimum of 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:

Visible emissions to the atmosphere shall not exceed 0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning.

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitation:

2.01 tpy of SO2

Applicable Compliance Method:

Compliance with the SO2 emission limitation shall be determined as specified in the document entitled "Asphalt Tank with Fume Incinerator Calculations" submitted in the permit to install application number 16-1825.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-1825)

1.c Emission Limitation:

0.05 tpy of CO

Applicable Compliance Method:

Compliance with the CO emission limitation shall be determined as specified in the document entitled "Asphalt Tank with Fume Incinerator Calculations" submitted in the permit to install application number 16-1825.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-1825)

1.d Emission Limitation:

1.0 tpy of OC

Applicable Compliance Method:

Compliance with the OC emission limitation shall be determined as specified in the document entitled "Asphalt Tank with Fume Incinerator Calculations" submitted in the permit to install application number 16-1825.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-1825)

1.e Emission Limitation:

0.3 tpy of particulates

Applicable Compliance Method:

Compliance with the particulate matter emission limitation shall be determined as specified in the document entitled "Asphalt Tank with Fume Incinerator Calculations" submitted in the permit to install application number 16-1825.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-1825)

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation): Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #59 (T032)

Activity Description: Cutback asphalt blending, cooling, and storage; 29,600 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
29,600-gallon oxidized asphalt storage/mixing tank - tank #59 controlled with water-cooled vapor condenser	OAC rule 3745-31-05(A)(3) (PTI 16-01952)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(2), 40 CFR Part 60, Subpart Kb, 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. 0.60 tpy volatile organic compounds (VOC) 0.17 tpy particulate emissions (PE) 0.49 tpy carbon monoxide (CO) 0.07 tpy hydrogen sulfide (H2S) 2.65 tpy sulfur dioxide (SO2)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.
	OAC rule 3745-21-09(L)(2)	exempt (see A.I.2.a)
	40 CFR Part 60, Subpart Kb	Exempt, see A.I.2.c below.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 60, Subpart UU	No permittee shall cause to be discharged into the atmosphere from any asphalt storage tank exhaust gases with opacity greater than 0 percent, except for one consecutive 15 minute period in any 24-hour period when the transfer lines are being blown for clearing. The control device shall not be bypassed during this 15-minute period. 40 CFR Part 60, Subpart UU is not applicable after May 1, 2006 per 40 CFR Part 63, Subpart LLLLL.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.b The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a condenser.

2.c This emissions unit is exempt from 40 CFR 60, Subpart Kb since it has a capacity greater than or equal to 75 m3 (19,813 gal), but less than 151 m3 (39,890 gal) and stores a liquid with a maximum true vapor pressure less than 15.0 kPa (2.17 psia).

II. Operational Restrictions

1. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1)

2. The permittee shall only store oxidized asphalt in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

(Authority for term: OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall properly operate and maintain equipment to continuously monitor and record the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis;

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly outlet water temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser did not comply with the temperature requirements specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

4. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible particulate emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

0.60 tpy VOC

Applicable Compliance Method:

VOC emissions(lb/yr) = VOC Concentration(lb/cf) * Flow * (60 min/hr) * (8760 hr/yr)

Where:

VOC Conc.(lb/cf) = %LEL * (1 - fraction methane/ethane) * (100%LEL conc) * (28.32 L/cf) * (lb/454,000mg)

%LEL = Lower Explosive Limit value for the tank = 0.56, as determined from testing;

fraction methane/ethane = 0.52, as determined from testing;

100% LEL conc. = 45mg/L, value of the Lower Explosion Limit (100% LEL) expressed in a concentration that is constant for alkanes, Industrial Explosion and Protection, Frank T. Bodurtha, p12, McGraw Hill, 1980; and

Flow = vent flow, (cfm) = 60 cfm.

Controlled VOC emissions (tpy) = VOC emissions(lb/yr) * (1 - control efficiency) *(capture efficiency) * (ton/2,000lbs)

Where:

Control efficiency = 95%, as determined from most recent stack test; and
Capture efficiency = 100%, assumed since closed loop system vented to control device.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.c Emission Limitation:

0.17 tpy particulates

Applicable Compliance Method:

Controlled particulate emissions (tpy) = Controlled VOC emissions (tpy) * (0.28)
From testing, it has been determined that 28% of VOC emissions are considered particulate emissions.

If required, compliance with this mass emission limitation shall be based on stack testing in accordance with Method 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.d Emission Limitation:

0.49 tpy CO

Applicable Compliance Method:

Uncontrolled CO(lb/yr) = EF * C * (0.028m3/cf) * (lb/454,000mg) * Flow * (60min/hr) * (8760 hr/yr)

Where:

EF = 1.14 mg/m3/ppm emission factor from AP-42 for CO;
C = pollutant concentration (ppm) from correlation of the concentration of CO based on the LEL of asphalt = 12.43 * %LEL + 800 for oxidized asphalt = 8752 ppm; and
Flow = vent flow, (cfm) = 60 cfm.

Controlled CO emissions (tpy) = CO emissions(lb/yr) * (1 - control efficiency) *(capture efficiency) * (ton/2,000lbs)

Where:

Control efficiency = 95%, as determined from most recent stack test; and
Capture efficiency = 100%, assumed since closed loop system vented to control device.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.e Emission Limitation:

0.07 tpy H2S

Applicable Compliance Method:

Uncontrolled H2S(lb/yr) = EF * C * (0.028m3/cf) * (lb/454,000mg) * Flow * (60min/hr) * (8760 hr/yr)

Where:

EF = 1.39 mg/m3/ppm emission factor from AP-42 for H2S;
C = pollutant concentration (ppm) from correlation of the concentration of H2S based on the LEL of asphalt = 12.43 * %LEL + 400.5 for oxidized asphalt = 1096.58 ppm; and
Flow = vent flow, (cfm) = 60 cfm.

Controlled H2S emissions (tpy) = H2S emissions(lb/yr) * (1 - control efficiency) *(capture efficiency) * (ton/2,000lbs)

Where:

Control efficiency = 95%, as determined from most recent stack test; and
Capture efficiency = 100%, assumed since closed loop system vented to control device.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.f Emission Limitation:

2.65 tpy SO2

Applicable Compliance Method:

SO2 emissions (tpy) = [Uncontrolled H2S emissions (tpy) - Controlled H2S emissions (tpy)] * 1.88

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #67 (T033)

Activity Description: Cutback asphalt blending, cooling, and storage; 29,600 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
29,600-gallon oxidized asphalt storage/mixing tank - tank #67 controlled with water-cooled vapor condenser	OAC rule 3745-31-05(A)(3) (PTI 16-01952)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L)(2), 40 CFR Part 60, Subpart Kb, 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. 0.60 tpy volatile organic compounds (VOC) 0.17 tpy particulate emissions (PE) 0.49 tpy carbon monoxide (CO) 0.07 tpy hydrogen sulfide (H2S) 2.65 tpy sulfur dioxide (SO2)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.
	OAC rule 3745-21-09(L)(2)	exempt (see A.I.2.a)
	40 CFR Part 60, Subpart Kb	Exempt, see A.I.2.c below.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 60, Subpart UU	No permittee shall cause to be discharged into the atmosphere from any asphalt storage tank exhaust gases with opacity greater than 0 percent, except for one consecutive 15 minute period in any 24-hour period when the transfer lines are being blown for clearing. The control device shall not be bypassed during this 15-minute period. 40 CFR Part 60, Subpart UU is not applicable after May 1, 2006 per 40 CFR Part 63, Subpart LLLLL.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.b The fixed roof storage tank shall be equipped with a submerged fill pipe and shall be vented to a condenser.

2.c This emissions unit is exempt from 40 CFR 60, Subpart Kb since it has a capacity greater than or equal to 75 m3 (19,813 gal), but less than 151 m3 (39,890 gal) and stores a liquid with a maximum true vapor pressure less than 15.0 kPa (2.17 psia).

II. Operational Restrictions

1. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1)

2. The permittee shall only store oxidized asphalt in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

(Authority for term: OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall properly operate and maintain equipment to continuously monitor and record the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis;

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall maintain records of the following information:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly outlet water temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser did not comply with the temperature requirements specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

4. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible particulate emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.b Emission Limitation:

0.60 tpy VOC

Applicable Compliance Method:

VOC emissions(lb/yr) = VOC Concentration(lb/cf) * Flow * (60 min/hr) * (8760 hr/yr)

Where:

VOC Conc.(lb/cf) = %LEL * (1 - fraction methane/ethane) * (100%LEL conc) * (28.32 L/cf) * (lb/454,000mg)

%LEL = Lower Explosive Limit value for the tank = 0.56, as determined from testing;

fraction methane/ethane = 0.52, as determined from testing;

100% LEL conc. = 45mg/L, value of the Lower Explosion Limit (100% LEL) expressed in a concentration that is constant for alkanes, Industrial Explosion and Protection, Frank T. Bodurtha, p12, McGraw Hill, 1980; and

Flow = vent flow, (cfm) = 60 cfm.

Controlled VOC emissions (tpy) = VOC emissions(lb/yr) * (1 - control efficiency) *(capture efficiency) * (ton/2,000lbs)

Where:

Control efficiency = 95%, as determined from most recent stack test; and
Capture efficiency = 100%, assumed since closed loop system vented to control device.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.c Emission Limitation:

0.17 tpy particulates

Applicable Compliance Method:

Controlled particulate emissions (tpy) = Controlled VOC emissions (tpy) * (0.28)
From testing, it has been determined that 28% of VOC emissions are considered particulate emissions.

If required, compliance with this mass emission limitation shall be based on stack testing in accordance with Method 5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.d Emission Limitation:

0.49 tpy CO

Applicable Compliance Method:

Uncontrolled CO(lb/yr) = EF * C * (0.028m3/cf) * (lb/454,000mg) * Flow * (60min/hr) * (8760 hr/yr)

Where:

EF = 1.14 mg/m3/ppm emission factor from AP-42 for CO;
C = pollutant concentration (ppm) from correlation of the concentration of CO based on the LEL of asphalt = 12.43 * %LEL + 800 for oxidized asphalt = 8752 ppm; and
Flow = vent flow, (cfm) = 60 cfm.

Controlled CO emissions (tpy) = CO emissions(lb/yr) * (1 - control efficiency) *(capture efficiency) * (ton/2,000lbs)

Where:

Control efficiency = 95%, as determined from most recent stack test; and
Capture efficiency = 100%, assumed since closed loop system vented to control device.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.e Emission Limitation:

0.07 tpy H2S

Applicable Compliance Method:

Uncontrolled H2S(lb/yr) = EF * C * (0.028m3/cf) * (lb/454,000mg) * Flow * (60min/hr) * (8760 hr/yr)

Where:

EF = 1.39 mg/m3/ppm emission factor from AP-42 for H2S;
C = pollutant concentration (ppm) from correlation of the concentration of H2S based on the LEL of asphalt = 12.43 * %LEL + 400.5 for oxidized asphalt = 1096.58 ppm; and
Flow = vent flow, (cfm) = 60 cfm.

Controlled H2S emissions (tpy) = H2S emissions(lb/yr) * (1 - control efficiency) *(capture efficiency) * (ton/2,000lbs)

Where:

Control efficiency = 95%, as determined from most recent stack test; and
Capture efficiency = 100%, assumed since closed loop system vented to control device.

(Authority for term: OAC rule 3745-77-07(C)(1))

1.f Emission Limitation:

2.65 tpy SO2

Applicable Compliance Method:

SO2 emissions (tpy) = [Uncontrolled H2S emissions (tpy) - Controlled H2S emissions (tpy)] * 1.88

(Authority for term: OAC rule 3745-77-07(C)(1))

2. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #45 (T034)

Activity Description: Asphalt storage; 1,700,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
1,700,000-gallon fixed roof storage tank with a fiber bed filter as control equipment	OAC rule 3745-31-05(A)(3) (PTI 16-01935)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11, OAC rule 3745-21-09(L)(3), 40 CFR Part 60, Subpart UU, 40 CFR Part 60, Subpart Kb, and 40 CFR Part 63, Subpart LLLLL. 0.34 ton of particulate emissions (PE) per year 0.55 ton of carbon monoxide (CO) per year 11.95 tons of volatile organic compounds (VOC) per year
	OAC rule 3745-17-07(A)	See A.I.2.a below.
	OAC rule 3745-17-11	54.46 lbs/hr particulate emissions (based on a process weight rate of 136.58 tph and Table I)
	OAC rule 3745-21-09(L)(3)	Exempt, vapor pressure less than 1.52 psia

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 60, Subpart UU	No permittee shall cause to be discharged into the atmosphere from any asphalt storage tank exhaust gases with opacity greater than 0 percent, except for one consecutive 15 minute period in any 24-hour period when the transfer lines are being blown for clearing. The control device shall not be bypassed during this 15-minute period. 40 CFR Part 60, Subpart UU is not applicable after May 1, 2006 per 40 CFR Part 63, Subpart LLLLL.
	40 CFR Part 60, Subpart Kb	Exempt (see A.I.2.b below)
	40 CFR Part 63, Subpart LLLLL	0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned The compliance date for this rule is May 1, 2006.

2. Additional Terms and Conditions

2.a The visible particulate emission limitation based on OAC rule 3745-17-07(A) is less stringent than the visible particulate emission limitation established pursuant to 40 CFR Part 60, Subpart UU.

2.b In accordance with 40 CFR 60.11b(b), this subpart does not apply to storage vessels with a capacity greater than or equal to 151 m3 storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m3 but less than 151 m3 storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

II. Operational Restrictions

1. The pressure drop across the fiber bed filter shall be maintained within the normal operating range (see section A.IV.7) while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information.

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(L)(3))

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fiber bed filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the fiber bed filter on a daily basis.

(Authority for term: OAC rule 3745-77-07(C)(1))

5. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least a 30 minute period and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute, and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(L)(4))

2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified above.

(Authority for term: OAC rule 3745-77-07(C)(1))

3. The permittee shall notify the Director (the Akron RAQMD) within 30 days when the maximum true vapor pressure of the liquid equals or exceeds 5.2 kPa.

(Authority for term: OAC rule 3745-77-07(C)(1))

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1))

5. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

(Authority for term: OAC rule 3745-77-07(C)(1))

6. The permittee shall submit semiannual compliance reports that specify any deviations from the opacity limitation. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: 40 CFR Part 63.8693(b))

IV. Reporting Requirements (continued)

7. The permittee shall submit within 90 days of issuance of the Title V operating permit, documentation of the determined normal pressure range, in inches of water, for the fiber bed filter.

V. Testing Requirements

1. Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below:

1.a For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

1.b For crude oil or refined petroleum products the vapor pressure may be obtained by the following:

i. Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference - see 40 CFR Section 60.17), unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).

ii. The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.

1.c For other liquids, the vapor pressure:

i. may be obtained from standard reference texts; or

ii. determined by ASTM Method D2879-83 (incorporated by reference - see 40 CFR Section 60.17); or

iii. measured by an appropriate method approved by the Administrator; or

iv. calculated by an appropriate method approved by the Administrator.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01935)

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

2.a Emission Limitation:

0% opacity for exhaust gases, except for one consecutive 15-minute period in any 24-hour period when the storage tank transfer lines are being cleaned

Applicable Compliance Method:

Compliance with the visible emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.3.

(Authority for term: OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

2.b Emission Limitation:

0.34 ton of PM per year

Applicable Compliance Method:

Compliance with the particulate matter emission limitation shall be determined as specified in the document entitled "Asphalt Tank 45 Calculations" submitted with the permit to install application number 16-01935.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01935)

2.c Emission Limitation:

0.55 ton of CO per year

Applicable Compliance Method:

Compliance with the carbon monoxide emission limitation shall be determined as specified in the document entitled "Asphalt Tank 45 Calculations" submitted with the permit to install application number 16-01935.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01935)

2.d Emission Limitation:

11.95 tons of VOC per year

Applicable Compliance Method:

Compliance with the volatile organic compounds emission limitation shall be determined as specified in the document entitled "Asphalt Tank 45 Calculations" submitted with the permit to install application number 16-01935.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-01935)

3. 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 no later than 180 days after the compliance date for Subpart LLLLL;

b. the emission testing shall be conducted to demonstrate compliance with the opacity limitation;

c. the following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR Part 60, Appendix A; and

d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: 40 CFR 63.8689(c))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #46 (T035)

Activity Description: Asphalt storage; 1,700,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Flux Asphalt Storage Tank #46 - 1,700,000-gallon fixed roof, heated storage tank controlled by a PCC thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(L) and 3745-31-13 through 3745-31-20, 40 CFR Part 60, Subpart Kb, 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 0.03 lb/hr and 0.12 ton per year. Sulfur dioxide (SO2) emissions shall not exceed 0.09 lb/hr and 0.39 ton per year. Carbon monoxide (CO) emissions shall not exceed 0.002 lb/hr and 0.009 ton per year. Volatile organic compound (VOC) emissions shall not exceed 0.10 lb/hr and 0.44 ton per year. Hydrogen sulfide (H2S) emissions shall not exceed 0.002 lb/hr and 0.009 ton per year.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The hourly and annual emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly or annual records are required to demonstrate compliance with these limitations. The overall control efficiency (including capture and control) shall not be less than 95% for PE/PM-10, CO, VOC and H2S. PE emissions from the fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 0.17 pound per hour and 0.76 ton per year, as a rolling, 12-month summation. NOx emissions from the fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 1.72 pounds per hour and 7.56 tons per year, as a rolling, 12-month summation. SO2 emissions from the fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 3.68 pounds per hour and 16.11 tons per year, as a rolling, 12-month summation. CO emissions from the fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling emissions units J005, P006 - P007, T027, T030, and T035 shall not exceed 0.99 pound per hour and 4.33 tons per year, as a rolling, 12-month summation. OC emissions from the fossil fuel combustion (natural gas or fuel oil) in the PCC incinerator controlling J005, P006 - P007, T027, T030, and T035 shall not exceed 0.06 pound per hour and 0.28 ton per year, as a rolling, 12-month summation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-07(A) OAC rule 3745-17-11	The emissions limitations specified by these rule are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3), 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL.
	OAC rule 3745-21-09(L)	See A.II.1 below.
	OAC rules 3745-3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: CO - 0.01 tpy VOC - 0.44 tpy SO2 - 0.37 tpy The overall control efficiency (including capture and control) shall not be less than 95% for CO and VOC.
	40 CFR Part 60, Subpart Kb	Exempt (see A.I.2.a)
	40 CFR Part 60, Subpart UU	Visible emissions to the ambient air shall not exceed 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 63, Subpart LLLLL	No permittee shall cause to be discharged into the atmosphere from any asphalt storage tank exhaust gases with opacity greater than 0 percent, except for one consecutive 15 minute period in any 24-hour period when the transfer lines are being blown for clearing. The control device shall not be bypassed during this 15-minute period. 40 CFR Part 60, Subpart UU is not applicable after May 1, 2006 per 40 CFR Part 63, Subpart LLLLL.

2. Additional Terms and Conditions

2.a In accordance with 40 CFR 60.11b(b), this subpart does not apply to storage vessels with a capacity greater than or equal to 151 m3 storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m3 but less than 151 m3 storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) or OAC rule 3745-21-09.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1) and OAC rule 3745-21-09(L))

2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1))

3. The operating range for the vacuum manifold static pressure shall be continuously maintained within the normal established operating range (see section A.IV.8) while the emissions unit is in operation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep copies of all records required by this section, except for the record required by section A.III.2, for at least 2 years. The records required by section A.III.2 shall be kept for the life of the source.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissiosn unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. The permittee shall operate and maintain a continuous monitor and recorder that measure the static pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating static pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

6. The permittee shall maintain monthly records that show the date(s) and time(s) when the vacuum manifold static pressure fell below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director (Akron RAQMD), for review during normal business hours.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

7. The permittee shall maintain records of the following:

a. the types of petroleum liquids stored in the tank;

b. the period of storage; and

c. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid.

(Authority for term: PTI 16-02347, OAC rule 3745-77-07(C)(1), and OAC rule 3745-21-09(L))

8. The permittee shall maintain monthly records of the following information for this emission unit:

a. the CO, VOC, and SO2 emissions, in tons, from both the tank and products of combustion of the incinerator for each month based upon the results of the latest stack test; and

b. the rolling, 12-month summation of CO, VOC, and SO2 emissions in tons from both the tank and products of combustion of the incinerator.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

9. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term A.II.1. Each report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly deviation (excursion) reports that identify all times during which the static pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month CO, VOC, and SO2 emission limitations from both the tank and products of combustion of the incinerator.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements as specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with OAC rule 3745-21-09(L)(1), the permittee shall so notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: PTI 16-02347, OAC rule 3745-21-09(L), and OAC rule 3745-77-07(C)(1))

6. After installing the control equipment required in section A.I.2.a, the permittee shall submit a report to the Director (the Akron RAQMD) that certifies that the control equipment meets the specifications of paragraph 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). This report shall be an attachment to the notification required by paragraph 60.7(a)(3).

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

7. The permittee shall also submit annual reports that specify the total SO2, CO, and VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15th of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

8. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined static pressure normal operating range, in inches of water, for the vacuum manifold.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

9. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions and (c) provide a summary of all Method 9 readings taken. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible emissions to the ambient air shall not exceed 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:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.b Emission Limitations:

0.03 lb/hr of PE/PM-10
0.12 ton per year of PE/PM-10

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation was developed by multiplying the short-term allowable PE/PM-10 limitation (0.03 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.c Emission Limitations:

0.09 lb/hr of SO2
0.37 ton per year of SO2, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (0.09 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.d Emission Limitation:

0.10 lb/hr of VOC
0.44 ton per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the ton per year limitation shall be demonstrated through the record keeping requirements specified in section A.III.8.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.e Emission Limitations:

0.002 lb/hr of H2S
0.01 ton per year of H2S

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation was developed by multiplying the short-term allowable H2S limitation (0.002 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.f Emission Limitations:

0.02 lb/hr of CO
0.01 ton per year of CO

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the ton per year limitation shall be demonstrated through the record keeping requirements specified in section A.III.8.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.g Emission Limitations:

0.17 lb/hr of PE (products of combustion from incinerator)
0.76 ton per year of PE based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 5 of 40 CFR Part 60, Appendix A.

The tpy emission limitation was developed by multiplying the short-term allowable PE limitation (0.17 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.h Emission Limitations:

0.99 lb/hr of CO (products of combustion from incinerator)
4.33 tons per year of CO based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (12 MBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of natural gas.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 10 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (0.99 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.i Emission Limitation:

3.68 lbs/hr of SO2 (products of combustion from incinerator)
16.11 tons per year of SO2 based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation may be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 6 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (3.68 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.j Emission Limitation:

0.06 lb/hr of VOC (products of combustion from incinerator)
0.28 ton per year of VOC based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of natural gas.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 18 or 25/25A of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.06 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.k Emission Limitations:

1.73 lbs/hr NOx (products of combustion from incinerator)
7.56 tons per year of NOx based upon a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation may be determined by multiplying the maximum input capacity (12 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 7 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (1.73 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration. Opacity testing testing shall be conducted no later than 180 days after the compliance date for Subpart LLLLL;

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s), including products of combustions, for opacity, PE, PM-10, H2S, SO2, CO, NOx, and VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for opacity, Method 9 of 40 CFR Part 60, Appendix A

for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M;

for H2S, Methods 1 through 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A;

for NOx, Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 through 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

V. Testing Requirements (continued)

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #69 (T036)

Activity Description: Asphalt storage; 30,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Oxidized Asphalt Storage Tank #69 - 30,000-gallon fixed roof storage tank controlled by a JZ thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(L) and 3745-31-13 through 3745-31-20, 40 CFR Part 60, Subpart Kb, 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 0.01 lb/hr and 0.06 ton per year. Sulfur dioxide (SO2) emissions shall not exceed 0.21 lb/hr and 0.94 ton per year. Carbon monoxide (CO) emissions shall not exceed 0.02 lb/hr and 0.07 ton per year. Volatile organic compound (VOC) emissions shall not exceed 0.05 lb/hr and 0.21 ton per year. Hydrogen sulfide (H2S) emissions shall not exceed 0.006 lb/hr and 0.03 ton per year.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The hourly and annual emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly or annual records are required to demonstrate compliance with these limitations. The overall control efficiency (including capture and control) shall not be less than 95% for PE/PM-10, CO, VOC and H2S. PE emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.15 pound per hour and 0.64 ton per year, as a rolling, 12-month summation. NOx emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 1.47 pounds per hour and 6.43 tons per year, as a rolling, 12-month summation. SO2 emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 3.13 pounds per hour and 13.69 tons per year, as a rolling, 12-month summation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		CO emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.84 pound per hour and 3.68 tons per year, as a rolling, 12-month summation. OC emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.06 pound per hour and 0.24 ton per year, as a rolling, 12-month summation.
	OAC rule 3745-17-07(A) OAC rule 3745-17-11	The emission limitations specified by these rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05 (A)(3), 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL.
	OAC rule 3745-21-09(L)	See A.II.1 below.
	OAC rules 3745-3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: CO - 0.07 tpy VOC - 0.21 tpy SO2 - 0.94 tpy The overall control efficiency (including capture and control) shall not be less than 95% for CO and VOC.
	40 CFR Part 60, Subpart Kb	Exempt (see A.I.2.a below)
	40 CFR Part 60, Subpart UU	Visible emissions to the ambient air shall not exceed 0% opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR Part 63, Subpart LLLLL	No permittee shall cause to be discharged into the atmosphere from any asphalt storage tank exhaust gases with opacity greater than 0 percent, except for one consecutive 15 minute period in any 24-hour period when the transfer lines are being blown for clearing. The control device shall not be bypassed during this 15-minute period. 40 CFR Part 60, Subpart UU is not applicable after May 1, 2006 per 40 CFR Part 63, Subpart LLLLL.

2. Additional Terms and Conditions

2.a In accordance with 40 CFR 60.11b(b), this subpart does not apply to storage vessels with a capacity greater than or equal to 151 m3 storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m3 but less than 151 m3 storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) or OAC rule 3745-21-09.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1) and OAC rule 3745-21-09(L))

2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1))

3. The operating range for the vacuum manifold static pressure shall be continuously maintained within the normal established operating range (see section A.IV.8) while the emissions unit is in operation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep copies of all records required by this section, except for the record required by section A.III.2, for at least 2 years. The records required by section A.III.2 shall be kept for the life of the source.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissiosn unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. The permittee shall operate and maintain a continuous monitor and recorder that measure the static pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating static pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

6. The permittee shall maintain monthly records that show the date(s) and time(s) when the vacuum manifold static pressure fell below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director, for review during normal business hours.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

7. The permittee shall maintain records of the following:

a. the types of petroleum liquids stored in the tank;

b. the period of storage; and

c. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid.

(Authority for term: PTI 16-02347, OAC rule 3745-77-07(C)(1), and OAC rule 3745-21-09(L))

8. The permittee shall maintain monthly records of the following information for this emission unit:

a. the CO, VOC, and SO2 emissions, in tons, from both the tank and products of combustion of the incinerator for each month based upon the results of the latest stack test; and

b. the rolling, 12-month summation of CO, VOC, and SO2 emissions in tons from both the tank and products of combustion of the incinerator.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

9. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term A.II.1. Each report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly deviation (excursion) reports that identify all times during which the static pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month CO, VOC, and SO2 emission limitations from both the tank and products of combustion of the incinerator.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements as specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with OAC rule 3745-21-09(L)(1), the permittee shall so notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: PTI 16-02347, OAC rule 3745-21-09(L), and OAC rule 3745-77-07(C)(1))

6. After installing the control equipment required in section A.I.2.a, the permittee shall submit a report to the Director (the Akron RAQMD) that certifies that the control equipment meets the specifications of paragraph 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). This report shall be an attachment to the notification required by paragraph 60.7(a)(3).

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

7. The permittee shall also submit annual reports that specify the total SO2, CO, and VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15th of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements (continued)

8. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined static pressure normal operating range, in inches of water, for the vacuum manifold.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

9. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions and (c) provide a summary of all Method 9 readings taken. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible emissions to the ambient air shall not exceed 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:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.b Emission Limitations:

0.01 lb/hr of PE/PM-10
0.06 ton per year of PE/PM-10

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation was developed by multiplying the short-term allowable PE/PM-10 limitation (0.01 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.c Emission Limitations:

0.21 lb/hr of SO2
0.94 ton per year of SO2, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (0.21 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.d Emission Limitation:

0.05 lb/hr of VOC
0.21 ton per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the ton per year limitation shall be demonstrated through the record keeping requirements specified in section A.III.8.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.e Emission Limitations:

0.006 lb/hr of H2S
0.03 ton per year of H2S

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation was developed by multiplying the short-term allowable H2S limitation (0.006 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.f Emission Limitations:

0.02 lb/hr of CO
0.07 ton per year of CO

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the ton per year limitation shall be demonstrated through the record keeping requirements specified in section A.III.8.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.g Emission Limitations:

0.15 lb/hr of PE (products of combustion from incinerator)
0.64 ton per year of PE based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 5 of 40 CFR Part 60, Appendix A.

The tpy emission limitation was developed by multiplying the short-term allowable H2S limitation (0.15 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.h Emission Limitations:

0.84 lb/hr of CO (products of combustion from incinerator)
3.68 tons per year of CO based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of natural gas.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 10 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (0.84 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.i Emission Limitation:

3.13 lbs/hr of SO2 (products of combustion from incinerator)
13.69 tons per year of SO2 based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 6 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (3.13 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.j Emission Limitation:

0.06 lb/hr of VOC (products of combustion from incinerator)
0.24 ton per year of VOC based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of natural gas.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 18 or 25/25A of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.06 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.k Emission Limitations:

1.47 lbs/hr NOx (products of combustion from incinerator)
6.43 tons per year of NOx based upon a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 7 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (1.47 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration. Opacity testing testing shall be conducted no later than 180 days after the compliance date for Subpart LLLLL;

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s), including products of combustions, for opacity, PE, PM-10, H2S, SO2, CO, NOx, and VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for opacity, Method 9 of 40 CFR Part 60, Appendix A

for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M;

for H2S, Methods 1 through 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A;

for NOx, Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 through 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Asphalt Storage Tank #70 (T037)

Activity Description: Asphalt storage; 60,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Oxidized Asphalt Storage Tank #70 - 60,000-gallon fixed roof storage tank controlled by a JZ thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(L) and 3745-31-13 through 3745-31-20, 40 CFR Part 60, Subpart Kb, 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL. Particulate emissions (PE) and particulate matter with aerodynamic diameter less than ten microns in diameter (PM-10) emissions shall not exceed 0.01 lb/hr and 0.06 ton per year. Sulfur dioxide (SO2) emissions shall not exceed 0.21 lb/hr and 0.94 ton per year. Carbon monoxide (CO) emissions shall not exceed 0.02 lb/hr and 0.07 ton per year. Volatile organic compound (VOC) emissions shall not exceed 0.05 lb/hr and 0.21 ton per year. Hydrogen sulfide (H2S) emissions shall not exceed 0.006 lb/hr and 0.03 ton per year.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		The hourly and annual emission limitations are based upon the emissions unit's potentials to emit (PTE). Therefore, no hourly or annual records are required to demonstrate compliance with these limitations. The overall control efficiency (including capture and control) shall not be less than 95% for PE/PM-10, CO, VOC and H2S. PE emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.15 pound per hour and 0.64 ton per year, as a rolling, 12-month summation. NOx emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 1.47 pounds per hour and 6.43 tons per year, as a rolling, 12-month summation. SO2 emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 3.13 pounds per hour and 13.69 tons per year, as a rolling, 12-month summation.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		CO emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling emissions units P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.84 pound per hour and 3.68 tons per year, as a rolling, 12-month summation. OC emissions from the fossil fuel combustion (natural gas or fuel oil) in the JZ incinerator controlling P003 - P005, T007 - T009, T026, T029, T031 - T033, T036, and T037 shall not exceed 0.06 pound per hour and 0.24 ton per year, as a rolling, 12-month summation.
	OAC rule 3745-17-07(A) OAC rule 3745-17-11	The emission limitations specified by these rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3), 40 CFR Part 60, Subpart UU, and 40 CFR Part 63, Subpart LLLLL.
	OAC rule 3745-21-09(L)	See A.II.1 below.
	OAC rules 3745-3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: CO - 0.07 tpy VOC - 0.21 tpy SO2 - 0.94 tpy The overall control efficiency (including capture and control) shall not be less than 95% for CO and VOC.
	40 CFR Part 60, Subpart Kb	See A.I.2.a below.
	40 CFR Part 60, Subpart UU	Visible emissions to the ambient air shall not exceed 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 63, Subpart LLLLL	Exempt per 40 CFR 63.8681(c) since subject to 40 CFR Part 60, Subpart Kb.

2. Additional Terms and Conditions

2.a The permittee shall install a closed vent system and control device meeting the following specifications:

i. the closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as specified by an instrument reading of less than 500 ppm above background and visual inspections as determined in paragraph 60.485(b); and

ii. the control device shall be designed and operated to reduce inlet VOC emissions by 95% or greater.

II. Operational Restrictions

1. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless such tank is designed or equipped in accordance with the requirements of paragraph (L)(1) or OAC rule 3745-21-09.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1) and OAC rule 3745-21-09(L))

2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1))

3. The operating range for the vacuum manifold static pressure shall be continuously maintained within the normal established operating range (see section A.IV.8) while the emissions unit is in operation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(A)(1))

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep copies of all records required by this section, except for the record required by section A.III.2, for at least 2 years. The records required by section A.III.2 shall be kept for the life of the source.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1450 degrees Fahrenheit or more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissiosn unit was in compliance; and

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. The permittee shall operate and maintain a continuous monitor and recorder that measure the static pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating static pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

6. The permittee shall maintain monthly records that show the date(s) and time(s) when the vacuum manifold static pressure fell below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director, for review during normal business hours.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

7. The permittee shall maintain records of the following:

a. the types of petroleum liquids stored in the tank;

b. the period of storage; and

c. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid.

(Authority for term: PTI 16-02347, OAC rule 3745-77-07(C)(1), and OAC rule 3745-21-09(L))

8. The permittee shall maintain monthly records of the following information for this emission unit:

a. the CO, VOC, and SO2 emissions, in tons, from both the tank and products of combustion of the incinerator for each month based upon the results of the latest stack test; and

b. the rolling, 12-month summation of CO, VOC, and SO2 emissions in tons from both the tank and products of combustion of the incinerator.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

9. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall perform Method 9 readings for at least 30 minutes and also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term A.II.1. Each report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The permittee shall submit quarterly deviation (excursion) reports that identify all times during which the static pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month CO, VOC, and SO2 emission limitations from both the tank and products of combustion of the incinerator.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements as specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

5. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with OAC rule 3745-21-09(L)(1), the permittee shall so notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: PTI 16-02347, OAC rule 3745-21-09(L), and OAC rule 3745-77-07(C)(1))

6. After installing the control equipment required in section A.I.2.a, the permittee shall submit a report to the Director (the Akron RAQMD) that certifies that the control equipment meets the specifications of paragraph 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). This report shall be an attachment to the notification required by paragraph 60.7(a)(3).

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

7. The permittee shall also submit annual reports that specify the total SO2, CO, and VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15th of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

8. The permittee shall submit, within 90 days of startup of the emissions unit, documentation of the determined static pressure normal operating range, in inches of water, for the vacuum manifold.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

9. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions and (c) provide a summary of all Method 9 readings taken. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

Visible emissions to the ambient air shall not exceed 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:

Compliance shall be determined in accordance with Test Method 9, as set forth in "Appendix on Test Methods" in 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.b Emission Limitations:

0.01 lb/hr of PE/PM-10
0.06 ton per year of PE/PM-10

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation was developed by multiplying the short-term allowable PE/PM1-10 limitation (0.01 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.c Emission Limitations:

0.21 lb/hr of SO2
0.94 ton per year of SO2, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (0.21 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.d Emission Limitations:

0.05 lb/hr of VOC
0.21 ton per year of VOC, based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the ton per year limitation shall be demonstrated through the record keeping requirements specified in section A.III.8.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.e Emission Limitations:

0.006 lb/hr of H_2S
0.03 ton per year of H_2S

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation was developed by multiplying the short-term allowable H_2S limitation (0.006 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.f Emission Limitations:

0.02 lb/hr of CO
0.07 ton per year of CO

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

Compliance with the ton per year limitation shall be demonstrated through the record keeping requirements specified in section A.III.8.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.g Emission Limitations:

0.15 lb/hr of PE (products of combustion from incinerator)
0.64 ton per year of PE based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 5 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (0.15 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.h Emission Limitations:

0.84 lb/hr of CO (products of combustion from incinerator)
3.68 tons per year of CO based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of natural gas.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 10 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable CO limitation (0.84 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.i Emission Limitations:

3.13 lbs/hr of SO2 (products of combustion from incinerator)
13.69 tons per year of SO2 based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lbs/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 6 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable SO2 limitation (3.13 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

1.j Emission Limitations:

0.06 lb/hr of VOC (products of combustion from incinerator)
0.24 ton per year of VOC based upon a rolling, 12-month summation

Applicable Compliance Methods:

Compliance with the lb/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of natural gas.

Compliance with the lb/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 18 or 25/25A of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.06 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

1.k Emission Limitations:

1.47 lbs/hr NOx (products of combustion from incinerator)
6.43 tons per year of NOx based upon a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the lbs/hr emission limitation may be determined by multiplying the maximum input capacity (10.2 MMBtu/hr) of the incinerator by the AP-42 emission factor for the combustion of fuel oil.

Compliance with the lbs/hr emission limitation shall be determined by stack testing in accordance with Methods 1 though 4, and 7 of 40 CFR Part 60, Appendix A.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable NOx limitation (1.47 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

2. 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 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s), including products of combustions, for PE, PM-10, H2S, SO2, CO, NOx, and VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A;

for PM-10, Methods 1 through 4 of 40 CFR Part 60, Appendix A and Method 201 of 40 CFR Part 51, Appendix M;

for H2S, Methods 1 through 4 and 15 of 40 CFR Part 60, Appendix A;

for SO2, Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A;

for NOx, Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A;

for CO, Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A; and

for VOC, Methods 1 through 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A, with results resported as actual volatile organic compounds.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mineral Spirits Storage Tank #68 (T038)

Activity Description: Mineral spirits storage; 20,000 gallons

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Mineral Spirits Storage Tank #68 - 20,000-gallon fixed roof storage tank controlled by a condenser	OAC rule 3745-31-05(A)(3) (PTI 16-02347)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(L), 3745-31-13 through 3745-31-20, and 40 CFR Part 60, Subpart Kb. Volatile organic compound (VOC) emissions shall not exceed 0.003 lb/hr and 0.01 ton per year. The hourly emission limitation is based upon the emissions unit's potential to emit (PTE). Therefore, no hourly records are required to demonstrate compliance with this limitation.
	OAC rule 3745-21-09(L)(2)	exempt See A.I.2.a below.
	OAC rules 3745-3745-31-13 through 3745-31-20	The emissions per rolling, 12-month period shall not exceed: VOC - 0.01 tpy The overall control efficiency (including capture and control) shall not be less than 85% for VOC.
	40 CFR Part 60, Subpart Kb	exempt See A.III.1 and A.III.2 below.

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

1. The water temperature exiting the condenser shall be continuously maintained at a value of not greater than 87 degrees Fahrenheit at all times while the emissions unit is in operation.

The permittee is not required to operate the condenser during mineral spirit unloading when the ambient temperature is less than 45 degrees F.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI 16-02347)

2. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 2.176 pounds per square inch absolute (15 kPa), unless such tank complies with the requirements of 40 CFR Part 60, Subpart Kb.

(Authority for term: OAC rule 3745-77-07(A)(1), PTI 16-02347, and 40 CFR Part 60, Subpart Kb)

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep copies of all records required by this section, except for the record required by section A.III.2, for at least 2 years. The record required by section A.III.2 shall be kept for the life of the source.

(Authority for term: PTI 16-02347, OAC rule 3745-77-07(C)(1), and 40 CFR Part 60, Subpart Kb)

2. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.

(Authority for term: PTI 16-02347, OAC rule 3745-77-07(C)(1), and 40 CFR Part 60, Subpart Kb)

3. The permittee shall properly operate and maintain equipment to continuously monitor the water temperature exiting the condenser while the emissions unit is in operation. The temperature monitor shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information each day:

a. the outlet water temperature, on a once/shift basis; and

b. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, associated emissions unit and ambient temperature.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The permittee shall maintain records of the following:

a. the types of petroleum liquids stored in the tank; and

b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 2.176 pounds per square inch absolute (15 kPa).

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

IV. Reporting Requirements

1. The permittee shall submit quarterly outlet water temperature and ambient temperature deviation (excursion) reports that identify all periods of time during which the water temperature exiting the condenser and ambient temperature did not comply with the temperature requirements specified above.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Term and Condition A.1.c of this permit.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

3. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 2.176 pounds per square inch absolute (15 kPa) and such tank does not comply with 40 CFR Part 60, Subpart Kb, the permittee shall so notify the Director (the Akron RAQMD) within 30 days of becoming aware of the occurrence.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

4. The permittee shall also submit annual reports that specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements

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

1.a Emission Limitation:

0.003 lb/hr of VOC
0.01 ton/yr of VOC, based upon a rolling, 12-month summation

Applicable Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated based upon the methods and procedures specified in section A.V.2.

The tpy emission limitation based upon a rolling, 12-month summation was developed by multiplying the short-term allowable VOC limitation (0.003 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

(Authority for term: PTI 16-02347 and OAC rule 3745-77-07(C)(1))

V. Testing Requirements (continued)

2. 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 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate: for VOC, Methods 1 through 4 and 18 or 25/25A of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Akron RAQMD.

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

Personnel from the Akron RAQMD shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI 16-02347)

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Table 7 to Subpart LLLLL of Part 63.--Applicability of General Provisions to Subpart LLLLL

Citation	Subject	Brief description	Applies to subpart LLLLL
Sec. 63.1	Applicability	Initial Applicability Determination; Applicability After Standard Established; Permit Requirements; Extensions, Notifications.	Yes.
Sec. 63.2	Definitions	Definitions for part 63 standards.	Yes.
Sec. 63.3	Units and Abbreviations	Units and abbreviations for part 63 standards.	Yes.
Sec. 63.4	Prohibited Activities	Prohibited Activities; Compliance date; Circumvention, Severability.	Yes.
Sec. 63.5	Construction/Reconstruction.	Applicability; applications; approvals.	Yes.
Sec. 63.6(a)	Applicability	GP apply unless compliance extension GP apply to area sources that become major.	Yes.
Sec. 63.6(b)(1)-(4)	Compliance Dates for New and Reconstructed sources.	Standards apply at effective date; 3 years after effective date; upon startup; 10 years after construction or reconstruction commences for section 112(f).	Yes.
Sec. 63.6(b)(5)	Notification	Must notify if commenced construction or reconstruction after proposal.	Yes.
Sec. 63.6(b)(6)	[Reserved]		
Sec. 63.6(b)(7)	Compliance Dates for New and Reconstructed Area Sources That Become Major.	Area sources that become major must comply with major source standards immediately upon becoming major, regardless of whether required to comply when they were an area source.	Yes.
Sec. 63.6(c)(1)-(2)	Compliance Dates for Existing Sources.	1. Comply according to date in subpart, which must be	Yes.

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		no later than 3 years after effective date. 2. For section 112(f) standards, comply within 90 days of effective date unless compliance extension has been granted.	
Sec. 63.6(c)(3)-(4).....	[Reserved].....		
Sec. 63.6(c)(5).....	Compliance Dates for Existing Area Sources That Become Major.	Area sources that become major must comply with major source standards by date indicated in subpart or by equivalent time period (for example, 3 years).	Yes.

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Sec. 63.6(d).....	[Reserved].....		
Sec. 63.6(e)(1).....	Operation & Maintenance.....	1. Operate to minimize emissions at all times. 2. Correct malfunctions as soon as practicable. 3. Operation and maintenance requirements independently enforceable; information Administrator will use to determine if operation and maintenance requirements were met.	Yes.
Sec. 63.6(e)(2).....	[Reserved].....		
Sec. 63.6(e)(3).....	Startup, Shutdown, and Malfunction (SSM) Plan (SSMP).	1. Requirement for SSM and startup, shutdown, malfunction plan. 2. Content of SSMP.....	Yes.
Sec. 63.6(f)(1).....	Compliance Except During SSM	You must comply with emission standards at all times except during SSM.	Yes.
Sec. 63.6(f)(2)-(3).....	Methods for Determining Compliance.	Compliance based on performance test, operation and maintenance plans, records, inspection.	Yes.
Sec. 63.6(g)(1)-(3).....	Alternative Nonopacity Standard.	Procedures for getting an alternative nonopacity standard.	Yes.
Sec. 63.6(h).....	Opacity/Visible Emission (VE) Standards.	Requirements for opacity and VE limits.	Yes.
Sec. 63.6(h)(1).....	Compliance with Opacity/VE	You must comply with opacity/	Yes.

	Standards.	VE emission limitations at all times except during SSM.	
Sec. 63.6(h)(2)(i).....	Determining Compliance with Opacity/VE Standards.	If standard does not state test method, use EPA test method 9, 40 CFR 60, appendix A for opacity and EPA test method 22, 40 CFR 60, appendix A for VE.	No. The test methods for opacity and visible emissions are specified in Sec. 63.8687.
Sec. 63.6(h)(2)(ii).....	[Reserved].....		
Sec. 63.6(h)(2)(iii).....	Using Previous Tests to Demonstrate Compliance with Opacity/VE Standards.	Criteria for when previous opacity/VE testing can be used to show compliance with this rule.	Yes.
Sec. 63.6(h)(3).....	[Reserved].....		
Sec. 63.6(h)(4).....	Notification of Opacity/VE Observation Date.	Must notify Administrator of anticipated date of observation.	Yes.
Sec. 63.6(h)(5)(i), (iii)-(v).	Conducting Opacity/VE Observations.	Dates and Schedule for conducting opacity/VE observations.	Yes.
Sec. 63.6(h)(5)(ii).....	Opacity Test Duration and Averaging Times.	Must have at least 3 hours of observation with thirty 6-minute averages.	Yes.
Sec. 63.6(h)(6).....	Records of Conditions During Opacity/VE Observations.	Must keep records available and allow Administrator to inspect.	Yes.
Sec. 63.6(h)(7)(i).....	Report COMS Monitoring Data from Performance Test.	Must submit COMS data with other performance test data.	Yes, if COMS used.
Sec. 63.6(h)(7)(ii).....	Using COMS instead of EPA test method 9, 40 CFR 60, appendix A.	Can submit COMS data instead of EPA test method 9, 40 CFR 60, appendix A results even if rule requires EPA test method 9, 40 CFR 60, appendix A, but must notify Administrator before performance test.	Yes, if COMS used.
Sec. 63.6(h)(7)(iii).....	Averaging time for COMS during performance test.	To determine compliance, must reduce COMS data to 6-minute averages.	Yes, if COMS used.
Sec. 63.6(h)(7)(iv).....	COMS requirements.....	Owner/operator must demonstrate that COMS performance evaluations are conducted according to Sec. 63.8(e), COMS are properly maintained and operated according to Sec. 63.8(c) and data quality as Sec. 63.8(d).	Yes, if COMS used.
Sec. 63.6(h)(7)(v).....	Determining Compliance with	COMS is probative but not	Yes, if COMS used.

		Opacity/VE Standards.	conclusive evidence of compliance with opacity standard, even if EPA test method 9, 40 CFR 60, appendix A observation shows otherwise. Requirements for COMS to be probative evidence, proper maintenance, meeting PS 1, and data have not been altered.	
Sec.	63.6(h)(8).....	Determining Compliance with Opacity/VE Standards.	Administrator will use all COMS, EPA test method 9, 40 CFR 60, appendix A, and EPA test method 22, 40 CFR 60, appendix A results, as well as information about operation and maintenance to determine compliance.	Yes.
Sec.	63.6(h)(9).....	Adjusted Opacity Standard...	Procedures for Administrator to adjust an opacity standard.	Yes.
Sec.	63.6(i).....	Compliance Extension.....	Procedures and criteria for Administrator to grant compliance extension.	Yes.
Sec.	63.6(j).....	Presidential Compliance Exemption.	President may exempt source category from requirement to comply with rule.	Yes.

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Sec.	63.7(a)(1)-(2).....	Performance Test Dates.....	Dates for conducting initial performance testing and other compliance demonstrations. Must conduct 180 days after first subject to rule.	Yes.
Sec.	63.7(a)(3).....	Section 114 Authority.....	Administrator may require a performance test under CAA section 114 at any time.	Yes.
Sec.	63.7(b)(1).....	Notification of Performance Test.	Must notify Administrator 60 days before the test.	Yes.
Sec.	63.7(b)(2).....	Notification of Rescheduling	If rescheduling a performance test is necessary, must notify Administrator 5 days before scheduled date of rescheduled date.	Yes.

Sec.	63.7(c).....	Quality Assurance/Test Plan.	1. Requirement to submit site-specific test plan 60 days before the test or on date Administrator agrees with: 2. Test plan approval procedures. 3. Performance audit requirements. 4. Internal and external QA procedures for testing.	Yes.
Sec.	63.7(d).....	Testing Facilities.....	Requirements for testing facilities	Yes.
Sec.	63.7(e)(1).....	Conditions for Conducting Performance Tests.	1. Performance tests must be conducted under representative conditions. Cannot conduct performance tests during SSM. 2. Not a violation to exceed standard during SSM.	Yes.
Sec.	63.7(e)(2).....	Conditions for Conducting Performance Tests.	Must conduct according to rule and EPA test methods unless Administrator approves alternative.	Yes.
Sec.	63.7(e)(3).....	Test Run Duration.....	1. Must have three test runs of at least 1 hour each. 2. Compliance is based on arithmetic mean of three runs. 3. Conditions when data from an additional test run can be used.	Yes.
Sec.	63.7(f).....	Alternative Test Method.....	Procedures by which Administrator can grant approval to use an alternative test method.	Yes.
Sec.	63.7(g).....	Performance Test Data Analysis.	1. Must include raw data in performance test report. 2. Must submit performance test data 60 days after end of test with the Notification of Compliance Status. 3. Keep data for 5 years....	Yes.
Sec.	63.7(h).....	Waiver of Tests.....	Procedures for Administrator to waive performance test.	Yes.
Sec.	63.8(a)(1).....	Applicability of Monitoring Requirements.	Subject to all monitoring requirements in standard.	Yes.
Sec.	63.8(a)(2).....	Performance Specifications..	Performance Specifications	Yes, if CEMS used.

			in appendix B of part 60 apply.	
Sec.	63.8(a)(3).....	[Reserved]		
Sec.	63.8(a)(4).....	Monitoring with Flares.....	Unless your rule says otherwise, the requirements for flares in Sec. 63.11 apply.	Yes.
Sec.	63.8(b)(1).....	Monitoring.....	Must conduct monitoring according to standard unless Administrator approves alternative.	Yes.
Sec.	63.8(b) (2)-(3).....	Multiple Effluents and Multiple Monitoring Systems.	1. Specific requirements for installing monitoring systems. 2. Must install on each effluent before it is combined and before it is released to the atmosphere unless Administrator approves otherwise. 3. If more than one monitoring system on an emission point, must report all monitoring system results, unless one monitoring system is a backup.	Yes.
Sec.	63.8(c)(1).....	Monitoring System Operation and Maintenance.	Maintain monitoring system in a manner consistent with good air pollution control practices.	Yes.
Sec.	63.8(c)(1)(i).....	Routine and Predictable CMS malfunction.	1. Follow the SSM plan for routine repairs. 2. Keep parts for routine repairs readily available. 3. Reporting requirements for CMS malfunction when action is described in SSM plan.	Yes.
Sec.	63.8(c)(1)(ii).....	CMS malfunction not in SSP plan.	Reporting requirements for CMS malfunction when action is not described in SSM plan.	Yes.

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Sec.	63.8(c)(1)(iii).....	Compliance with Operation and Maintenance	1. How Administrator determines if source	Yes.

		Requirements.	complying with operation and maintenance requirements. 2. Review of source O&M procedures, records, manufacturer's instructions, recommendations, and inspection of monitoring system.	
Sec.	63.8(c)(2)-(3).....	Monitoring System Installation.	1. Must install to get representative emission and parameter measurements. 2. Must verify operational status before or at performance test.	Yes.
Sec.	63.8(c)(4).....	CMS Requirements.....	CMS must be operating except during breakdown, out-of-control, repair, maintenance, and high-level calibration drifts.	No; Sec. 63.8690 specifies the CMS requirements.
Sec.	63.8(c)(4)(i)-(ii)...	CMS Requirements.....	1. COMS must have a minimum of one cycle of sampling and analysis for each successive 10-second period and one cycle of data recording for each successive 6-minute period. 2. CEMS must have a minimum of one cycle of operation for each successive 15-minute period.	Yes, if COMS used.
Sec.	63.8(c)(5).....	COMS Minimum Procedures.....	COMS minimum procedures	Yes.
Sec.	63.8(c)(6).....	CMS Requirements.....	Zero and High level calibration check requirements.	No; Sec. 63.8688 specifies the CMS requirements.
Sec.	63.8(c)(7)-(8).....	CMS Requirements.....	Out-of-control periods, including reporting.	Yes.
Sec.	63.8(d).....	CMS Quality Control.....	1. Requirements for CMS quality control, including calibration, etc. 2. Must keep quality control plan on record for the life of the affected source. 3. Keep old versions for 5 years after revisions.	No; Sec. 63.8688 specifies the CMS requirements.
Sec.	63.8(e).....	CMS Performance Evaluation..	Notification, performance evaluation test plan, reports.	No; Sec. 63.8688 specifies the CMS requirements.

Sec.	63.8(f)(1)-(5).....	Alternative Monitoring Method.	Procedures for Administrator to approve alternative monitoring.	Yes.
Sec.	63.8(f)(6).....	Alternative to Relative Accuracy Test.	Procedures for Administrator to approve alternative relative accuracy tests for CEMS.	Yes, if CEMS used.
Sec.	63.8(g)(1)-(4).....	Data Reduction.....	1. COMS 6-minute averages calculated over at least 36 evenly spaced data points. 2. CEMS 1-hour averages computed over at least 4 equally spaced data points.	Yes, if CEMS or COMS used.
Sec.	63.8(g)(5).....	Data Reduction.....	Data that cannot be used in computing averages for CMS.	No; Sec. 63.8690 specifies the CMS requirements.
Sec.	63.9(a).....	Notification Requirements...	Applicability and State Delegation	Yes.
Sec.	63.9(b)(1)-(5).....	Initial Notifications.....	1. Submit notification 120 days after effective date. 2. Notification of intent to construct/reconstruct; notification of commencement of construct/ reconstruct; notification of startup. 3. Contents of each.....	Yes.
Sec.	63.9(c).....	Request for Compliance Extension.	Can request if cannot comply by date or if installed Best Achievable Control Technology (BACT)/Lowest Achievable Emission Rate (LAER).	Yes.
Sec.	63.9(d).....	Notification of Special Compliance Requirements for New Source.	For sources that commence construction between proposal and promulgation and want to comply 3 years after effective date.	Yes.
Sec.	63.9(e).....	Notification of Performance Test.	Notify Administrator 60 days prior	Yes.
Sec.	63.9(f).....	Notification of VE/Opacity Test.	Notify Administrator 30 days prior	Yes.
Sec.	63.9(g).....	Additional Notifications When Using CMS.	1. Notification of performance evaluation. 2. Notification using COMS data. 3. Notification that the criterion for use of alternative to relative	No; Sec. 63.8692 specifies the CMS notification requirements.

		accuracy testing was exceeded.	
Sec. 63.9(h)(1)-(6).....	Notification of Compliance Status.	1. Contents. 2. Due 60 days after end of performance test or other compliance demonstration, except for opacity/VE, which are due 30 days after. 3. When to submit to Federal vs. State authority.	Yes.

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Sec. 63.9(i).....	Adjustment of Submittal Deadlines.	Procedures for Administrator to approve change in dates when notifications must be submitted.	Yes.
Sec. 63.9(j).....	Change in Previous Information.	Must submit within 15 days after the change.	Yes.
Sec. 63.10(a).....	Recordkeeping/Reporting.....	1. Applies to all, unless compliance extension. 2. When to submit to Federal vs. State authority. 3. Procedures for owners of more than 1 source.	Yes.
Sec. 63.10(b)(1).....	Recordkeeping/Reporting.....	1. General Requirements..... 2. Keep all records readily available.. 3. Keep for 5 years.....	Yes.
Sec. 63.10(b)(2)(i)-(v)...	Records related to Startup, Shutdown, and Malfunction.	1. Occurrence of each of operation (process equipment). 2. Occurrence of each malfunction of air pollution equipment. 3. Maintenance on air pollution control equipment. 4. Actions during startup, shutdown, and malfunction.	Yes.
Sec. 63.10(b)(2)(vi) and (x-xi).	CMS Records.....	1. Malfunctions, inoperative, out-of-control. 2. Calibration checks..... 3. Adjustments, maintenance.	Yes.
Sec. 63.10(b)(2)(vii)-(ix)	Records.....	1. Measurements to demonstrate compliance with emission limitations. 2. Performance test, performance evaluation, and	Yes.

		visible emission observation results. 3. Measurements to determine conditions of performance tests and performance evaluations.	
Sec. 63.10(b)(2)(xii).....	Records.....	Records when under waiver...	Yes
Sec. 63.10(b)(2)(xiii)....	Records.....	Records when using alternative to relative accuracy test.	Yes.
Sec. 63.10(b)(2)(xiv).....	Records.....	All documentation supporting Initial Notification and Notification of Compliance Status.	Yes.
Sec. 63.10(b)(3).....	Records.....	Applicability determinations	Yes.
Sec. 63.10(c)(1)-(6), (9)-(15).	Records.....	Additional records for CMS..	No; Sec. 63.8694 specifies the CMS recordkeeping requirements.
Sec. 63.10(c)(7)-(8).....	Records.....	Records of excess emissions and parameter monitoring exceeedances for CMS.	No; Sec. 63.8694 specifies the CMS recordkeeping requirements.
Sec. 63.10(d)(1).....	General Reporting Requirements.	Requirement to report.....	Yes.
Sec. 63.10(d)(2).....	Report of Performance Test Results.	When to submit to Federal or State authority.	Yes.
Sec. 63.10(d)(3).....	Reporting Opacity or VE Observations.	What to report and when.....	Yes.
Sec. 63.10(d)(4).....	Progress Reports.....	Must submit progress reports on schedule if under compliance extension.	Yes.
Sec. 63.10(d)(5).....	Startup, Shutdown, and Malfunction Reports.	Contents and submission.....	Yes.
Sec. 63.10(e)(1), (2).....	Additional CMS Reports.....	1. Must report results for each CEM on a unit. 2. Written copy of performance evaluation. 3. Three copies of COMS performance evaluation.	Yes.
Sec. 63.10(e)(3).....	Reports.....	Excess emission reports.....	No; Sec. 63.8693 specifies the reporting requirements.
Sec. 63.10(e)(3)(i)-(iii).	Reports.....	Schedule for reporting excess emissions and parameter monitor exceedances (now defined as deviations).	No; Sec. 63.8693 specifies the reporting requirements.

Sec. 63.10(e)(3)(iv)-(v)..	Excess Emissions Reports....	1. Requirement to revert to the frequency specified in the relevant standard if there is an excess emissions and parameter monitor exceedances (now defined as deviations). 2. Provision to request semiannual reporting after compliance for one year. 3. Submit report by 30th day following end of quarter or calendar half. 4. If there has not been an exceedance or excess emission (now defined as deviations), report content is a statement that there have been no deviations.	No; Sec. 63.8693 specifies the reporting requirements.

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Sec. 63.10(e)(3)(iv)-(v)..	Excess Emissions Reports....	Must submit report containing all of the information in Sec. 63.10(c)(5)(13), Sec. 63.8(c)(7)-(8).	No; Sec. 63.8693 specifies the reporting requirements.
Sec. 63.10(e)(3)(vi)-(viii).	Excess Emissions Report and Summary Report.	1. Requirements for reporting excess emissions for CMS (now called deviations). 2. Requires all of the information in Sec. 63.10(c)(5)(13), Sec. 63.8(c)(7)-(8).	No; Sec. 63.8693 specifies the reporting requirements.
Sec. 63.10(e)(4).....	Reporting COMS data.....	Must submit COMS data with performance test data.	Yes, if COMS used.
Sec. 63.10(f).....	Waiver for Recordkeeping/ Reporting.	Procedures for Administrator to waive.	Yes.
Sec. 63.11.....	Flares.....	Requirements for flares.....	Yes.
Sec. 63.12.....	Delegation.....	State authority to enforce standards.	Yes.
Sec. 63.13.....	Addresses.....	Addresses where reports, notifications, and requests are sent.	Yes.
Sec. 63.14.....	Incorporation by Reference..	Test methods incorporated by reference.	Yes.
Sec. 63.15.....	Availability of Information.	Public and confidential	Yes.

Attachment I

information.

Attachment I