



State of Ohio Environmental Protection Agency

Street Address:

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

06/30/99

**CERTIFIED MAIL**

**RE: Draft Title V Chapter 3745-77 permit**

07-44-01-0002  
Allied Signal, Inc. - Ironton, Ohio  
Jeff Zerkle  
3330 South Third Street  
Ironton, OH 45638

Dear Jeff Zerkle:

You are hereby notified that the Ohio Environmental Protection Agency has prepared the enclosed draft of the Title V permit for the facility referenced above. The purpose of this draft is to solicit public comments. A public notice concerning the draft will appear in the Ohio EPA Weekly Review and the major newspaper in the county where the facility is located. Comments and/or a request for a public hearing from the public and any affected parties will be accepted by Portsmouth Air Pollution Group within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled.

A decision on processing the Title V permit will be made after consideration of written public comments and oral testimony (if a public hearing is conducted). After the comment period, you will be provided with a Preliminary Proposed Title V permit and an opportunity to comment prior to the Proposed Title V permit submittal to USEPA.

**If you have any questions or comments concerning this draft Title V permit, please contact Portsmouth Air Pollution Group.**

Very truly yours,

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

cc: USEPA (electronic)  
Jim Orlemann, DAPC Engineering  
Michael Ahern, DAPC PMU  
Portsmouth Air Pollution Group  
Kentucky  
West Virginia



## Ohio EPA

State of Ohio Environmental Protection Agency

### TITLE V PERMIT

Issue Date: 06/30/99

### DRAFT

Effective Date:

Expiration Date:

This document constitutes issuance to:

Allied Signal, Inc. - Ironton, Ohio  
3330 South Third Street  
Ironton, OH 45638

of a Title V permit for Facility ID: 07-44-01-0002

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

B001 (Boiler #1)  
26.9 MMBtu/hr boiler.

B002 (Boiler #3)  
48.5 MMBtu/hr gas or oil-fired boiler.

B003 (Boiler #2)  
26.9 MMBtu/hr boiler.

B004 (Boiler #4)  
34 MMBtu/hr boiler.

B005 (TT Heater #1)  
16.1 MMBtu/hr gas or oil-fired heater.

B006 (Tar Heater)  
15 MMBtu/hr gas or oil-fired tar heater.

B011 (Intermediate Naphthalene Column Reboiler)  
Intermediate naphthalene column reboiler.

B012 (Naphthalene Column Reboiler)  
Gas-fired heat exchanger - naphthalene column reboiler.

F002 (Coal Tar Pitch Storage Piles)  
Coal tar pitch storage pile.

J001 (Barge Loading and Unloading)  
Barge loading and unloading.



J002 (Rail Car Loading)

Rail car loading.

J003 (Naphtha Tank Truck Loading)

Naphtha tank truck loading.

J004 (Tank Truck Loading)

Tank truck loading of all materials except Pitch and Naphthalene

P001 (Coal Tar Pitch Tank Car Loading)

Liquid coal tar pitch rail car and tank truck loading.

P002 (Coal Tar Rod Pitch Dryer)

Coal tar rod pitch dryer.

P003 (Pitch Melting)

Pitch melting.

P004 (Naphthalene Distillation Process)

Naphthalene distillation process.

P005 (Coal Tar Distillation Unit)

Process includes tar hopper distillation, tar heater distillation, tar dehydration (oil and water separator), tar dehydration (I-10 condenser), and several storage tanks.

P006 (Wastewater Treatment Plant)

Bioreactors (ICB's 105 through 109), sand filter and process vessels.

T001 (Coal Tar Pitch Receiver #44)

10,000 gal coal tar pitch receiver.

T002 (Pitch Tank #1925)

17,500 gal coal tar pitch storage tank.

T003 (Pitch Tank #1926)

27,760 gal coal tar pitch storage tank.

T004 (Pitch Tank #31)

50,000 gal fixed roof coal tar pitch storage tank.

T005 (Pitch Tank #68)

12,500 gal roofing pitch cooling and loading tank.

T006 (Pitch Tank #2101)

15,000 gal rod pitch storage tank.

T007 (Pitch Tank #2123)

25,000 gal rod pitch storage tank.

T008 (Pitch Tank #20)

53,495 gal coal tar pitch storage tank.

T009 (Tank #29)

100,000 gal oil pitch storage tank.

T010 (Pitch Melt Tank)

Pitch melt tank.



T017 (Tank #1)  
500,000 gal fixed roof tar storage tank.

T018 (Tank #2)  
250,000 gal fixed roof tar storage tank.

T019 (Tank #11)  
150,000 gal fixed roof carbolate/top carbolic oil tank.

T020 (Tank #12)  
150,000 gal fixed roof creosote storage tank.

T021 (Tank #13)  
108,200 gal fixed roof creosote solution tank.

T022 (Tank #15)  
50,000 gal fixed coal tar oil storage tank.

T023 (Tank #19)  
50,000 gal fixed roof refined tar storage tank.

T024 (Tank #24)  
100,000 gal fixed roof heavy oil storage tank.

T025 (Tank #27)  
50,000 gal fixed roof coal tar fuel oil tank.

T026 (Tank #34)  
50,000 gal fixed roof coal tar fuel oil tank.

T027 (Tank #70)  
100,000 gal fixed crude coal tar oil storage tank.

T028 (Tank #71)  
100,000 gal fixed crude coal tar oil storage tank.

T029 (Tank #72)  
100,000 gal fixed roof crude coal tar oil tank.

T030 (Tank #73)  
100,000 gal fixed roof crude coal tar oil tank.

T031 (Tank #1299)  
100,000 gal fixed roof crude coal tar oil tank.

T032 (Tank #1851)  
508,000 gal fixed roof naphthalene storage tank.

T033 (Tank #1853)  
763,500 gal fixed roof creosote top carbolic storage tank.

T034 (Tank #6)  
150,000 gal fixed roof carbolate storage tank.

T037 (Tank #1312)  
150,000 gal fixed roof carbolate storage tank.

T038 (Pitch Tank #2102)  
15,000 gal rod pitch storage tank, formerly permitted under T006.

Z010 (Coal Tar Pitch Receiver #45)  
10,000 gal coal tar pitch receiver, formerly permitted under T001.

Z011 (Coal Tar Pitch Receiver #46)  
10,000 gal vapor condensate collection tank, formerly permitted under T001.

Z012 (Coal Tar Pitch Receiver #47)  
10,000 gal tar heater scrubber tank, formerly permitted under T001.

Z013 (Pitch Tank #74)  
50,000 gal fixed roof coal tar pitch storage tank, formerly permitted under T004.

Z014 (Pitch Tank #69)  
12,500 gal roofing pitch cooling and loading tank, formerly permitted under T005.

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:

Portsmouth Air Pollution Group  
740 Second Street  
Portsmouth, OH 45662  
(614) 353-5156

OHIO ENVIRONMENTAL PROTECTION AGENCY

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Christopher Jones  
Director

# **PART I - GENERAL TERMS AND CONDITIONS**

## **A. State and Federally Enforceable Section**

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

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
  - iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting

requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

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

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

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

## **3. Risk Management Plans**

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

## **4. Title IV Provisions**

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

## **5. Severability Clause**

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

## **6. General Requirements**

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

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

**7. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

**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.

**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.

**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 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.

## **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.

## **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 appropriate Ohio EPA District Office or local air agency 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.

### **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.

### **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).

## **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.

## **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, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). 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; and
- 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.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

## **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.

## **B. State Only Enforceable Section**

### **1. 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.

### **2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements**

The permittee shall submit required reports in the following manner:

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

### **3. 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.

### **4. 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.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction 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).

**6. 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.

**7. 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.

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

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

## **Part II - Specific Facility Terms and Conditions**

### **A. State and Federally Enforcable Section**

**None**

### **B. State Only Enforceable Section**

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

F001 - plant roadways and parking areas  
F003 - coal tar pitch handling facility - front end loader  
F004 - coal tar pitch handling facility  
J005 - drum loading  
T035 - tank #1309  
T036 - tank #1311  
Z001 - rod pitch loading  
Z002 - groundwater treatment

Each insignificant emission 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 a permit to install for the emissions unit.

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** Boiler #1 (B001)  
**Activity Description:** 26.9 MMBtu/hr boiler.

**A. State and Federally Enforceable Section**

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

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
boiler #1 - 26.9 mmBtu/hr boiler fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-18-50(D)	1.0 pound of sulfur dioxide (SO <sub>2</sub> ) per mmBtu of actual heat input
	OAC rule 3745-17-10	0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil
	OAC rule 3745-17-07	0.30 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

**2. Additional Terms and Conditions**

**None**

**II. Operational Restrictions**

- The quality of the oil burned in this emissions unit on an "as received" basis shall meet a combination of the heat content and sulfur content which is sufficient to comply with the allowable SO<sub>2</sub> emissions limitation of 1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input.

Compliance with this specification shall be determined using the analytical results provided by the permittee or oil supplier for each shipment of oil.

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

- The permittee shall maintain a record containing the quantity of each fuel burned in this emissions unit.

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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 SO<sub>2</sub> emission rate (in lb/mmBtu). The SO<sub>2</sub> emissions rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). Also, if necessary, the permittee shall maintain monthly records of the calculated SO<sub>2</sub> emission rate based upon a volume-weighted average of the calculated SO<sub>2</sub> emission rates for all shipments of oil during a calendar month.

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, D4294, D6010), or equivalent methods as approved by the Director.

3. The permittee shall perform daily 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.

### IV. Reporting Requirements

1. The permittee shall notify the Portsmouth local air agency in writing of any record which shows a deviation of the sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rate from section A.III.2 above. The notification shall include a copy of such records and shall be sent to the Portsmouth local air agency within 45 days after the deviation occurs.
2. 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 action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Portsmouth local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

### 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:

1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be based upon the analytical results of each shipment of oil, using the equation contained in OAC rule 3745-18-04(F) to calculate the actual emission rate.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

## **V. Testing Requirements (continued)**

### **1.b Emission Limitation:**

0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil

0.30 pound of particulates per mmBtu of actual heat input when burning no.6 fuel oil/coal tar oil blends

Applicable Compliance Method:

When burning natural gas, compliance shall be based upon multiplying the maximum hourly gas burning rate of the emissions unit by the particulate emission factor of 13.7 pounds per million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (26.9 mmBtu/hr). The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1.

When burning no. 2 fuel oil, compliance shall be based upon multiplying the particulate emission factor of 2 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

When burning no. 6 fuel oil/coal tar oil blends, compliance shall be based upon multiplying the particulate emission factor of 9.56 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

If required, the permittee shall demonstrate compliance with the emission limitation in accordance with the procedures specified in OAC rule 3745-17-03(B)(11).

### **1.c Emission Limitation:**

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

## **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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Boiler #3 (B002)  
**Activity Description:** 48.5 MMBtu/hr gas or oil-fired boiler.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
boiler #3 - 48.5 mmBtu/hr boiler fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-18-50(D)	1.0 pound of sulfur dioxide (SO <sub>2</sub> ) per mmBtu of actual heat input
	OAC rule 3745-17-10	0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil
		0.19 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends
	OAC rule 3745-17-07	See A.I.2.a below. Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

##### 2. Additional Terms and Conditions

- 2.a Per OAC rule 3745-17-10(B), this particulate emission limitation is based on the combined total heat input for emissions units B002, B004 and B006 which are physically or operationally united.

##### II. Operational Restrictions

1. The quality of the oil burned in this emissions unit on an "as received" basis shall meet a combination of the heat content and sulfur content which is sufficient to comply with the allowable SO<sub>2</sub> emission limitation of 1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input.

Compliance with this specification shall be determined using the analytical results provided by the permittee or oil supplier for each shipment of oil.

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

1. The permittee shall maintain a record containing the quantity of each fuel burned in this emissions unit.

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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 SO<sub>2</sub> emissions rate (in lb/mmBtu). The SO<sub>2</sub> emissions rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). Also, if necessary, the permittee shall maintain monthly records of the calculated SO<sub>2</sub> emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

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, D4294, D6010), or equivalent methods as approved by the Director.

3. The permittee shall perform daily 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.

### IV. Reporting Requirements

1. The permittee shall notify the Portsmouth local air agency in writing of any record which shows a deviation of the sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rates from section A.III.2 above. The notification shall include a copy of such records and shall be sent to the Portsmouth local air agency within 45 days after the deviation occurs.
2. 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 action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Portsmouth local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

### 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:

1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be based upon the analytical results of each shipment of oil, using the equation contained in OAC rule 3745-18-04(F) to calculate the actual emission rate.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

## **V. Testing Requirements (continued)**

### **1.b** Emission Limitation:

0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil

0.19 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends

Applicable Compliance Method:

When burning natural gas, compliance shall be based upon multiplying the maximum hourly gas burning rate of the emissions unit by the particulate emission factor of 13.7 pounds per million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (97.5 mmBtu/hr). The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1.

When burning no. 2 fuel oil, compliance shall be based upon multiplying the particulate emission factor of 2 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

When burning no. 6 fuel oil/coal tar oil blends, compliance shall be based upon multiplying the particulate emission factor of 9.56 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

If required, the permittee shall demonstrate compliance with the emission limitations in accordance with the procedures specified in OAC rule 3745-17-03(B)(11).

### **1.c** Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

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

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
boiler #3 - 48.5 mmBtu/hr boiler fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-31-05 (PTI 07-127)	0.19 pound of particulates per mmBtu of actual heat input  1.0 pound of SO <sub>2</sub> per mmBtu of actual heat input

**2. Additional Terms and Conditions**

- The percentage of waste oil burned in this emission unit shall not exceed 15%, by weight, at any one time.

**II. Operational Restrictions**

- All recycled used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property	Allowable Concentration
arsenic	5 ppm, maximum
cadmium	2 ppm, maximum
chromium	10 ppm, maximum
lead	100 ppm, maximum
PCB's	50 ppm, maximum
total halogens	1000 ppm, maximum
mercury	1 ppm, maximum
flash point	100 degrees F, minimum
heat content	135,000 Btu/gallon, minimum

The Ohio EPA may obtain oil samples for analysis or may require the permittee to have oil samples analyzed for the above parameters. If the permittee is required to analyze one or more oil samples, the analyses shall be conducted by an independent laboratory.

This permit to operate allows the use of waste oil from tank A-7 at the Edgewater, New Jersey facility. Prior to the combustion of any material from any other tank at the Edgewater facility, Allied Signal must obtain the written permission of the Ohio EPA.

Before each tank car of material is shipped to the Ironton facility from the Edgewater facility, Allied Signal shall sample and analyze the material. The results of the analysis shall conform to the specifications listed above and the results of the analysis shall accompany each shipment of waste oil to the Ironton facility.

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

1. The permittee shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:
  - a. date of shipment or delivery;
  - b. quantity of used oil received;
  - c. the Btu value of the used oil;
  - d. the flash point of the used oil;
  - e. the arsenic content;
  - f. the cadmium content;
  - g. the chromium content;
  - h. the lead content;
  - i. the PCB content;
  - j. the total halogen content; and
  - k. the mercury content.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request.

### IV. Reporting Requirements

1. The permittee shall notify the USEPA and the Ohio EPA if any of the used oil exceeds the used oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any used oil.

Before the permittee accepts the first shipment of any off-specification used oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

- a. the company has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and
- b. the company will burn the used oil only in an industrial furnace or boiler identified in 40 CFR Part 266.41(b) and OAC rule 3745-58-42.

A copy of each certification notice that the permittee sends to a marketer must be kept on file for a minimum of 5 years from the date it last received off-specification used oil from that marketer.

### 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:

1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in sections A.III.1 and A.III.2.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

Facility Name: **Allied Signal, Inc. - Ironton, Ohio**

Facility ID: **07-44-01-0002**

Emissions Unit: **Boiler #3 (B002)**

**V. Testing Requirements (continued)**

**1.b** Emission Limitation:

0.19 pound of particulates per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be demonstrated based upon the compliance method and calculation specified in section A.V.1.b.

**VI. Miscellaneous Requirements**

**None**

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** Pitch Tank #74 (Z013)

**Activity Description:** 50,000 gal fixed roof coal tar pitch storage tank, formerly permitted under T004.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch storage tank #74	none	none

See A.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Boiler #4 (B004)  
**Activity Description:** 34 MMBtu/hr boiler.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
boiler #4 - 34 mmBtu/hr boiler fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-18-50(D)	1.0 pound of sulfur dioxide (SO <sub>2</sub> ) per mmBtu of actual heat input
	OAC rule 3745-17-10	0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil
		0.19 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends
	OAC rule 3745-17-07	See A.I.2.a below. Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

**2. Additional Terms and Conditions**

- 2.a Per OAC rule 3745-17-10(B), this particulate emission limitation is based on the combined total heat input for emissions units B002, B004 and B006 which are physically or operationally united.

**II. Operational Restrictions**

1. The quality of the oil burned in this emissions unit on an "as received" basis shall meet a combination of the heat content and sulfur content which is sufficient to comply with the allowable SO<sub>2</sub> emission limitation of 1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input.

Compliance with this specification shall be determined using the analytical results provided by the permittee or oil supplier for each shipment of oil.

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

1. The permittee shall maintain a record containing the quantity of each fuel burned in this emissions unit.

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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 SO<sub>2</sub> emissions rate (in lb/mmBtu). The SO<sub>2</sub> emissions rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). Also, if necessary, the permittee shall maintain monthly records of the calculated SO<sub>2</sub> emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

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, D4294, D6010), or equivalent methods as approved by the Director.

3. The permittee shall perform daily 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.

### IV. Reporting Requirements

1. The permittee shall notify the Portsmouth local air agency in writing of any record which shows a deviation of the sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rates from section A.III.2 above. The notification shall include a copy of such records and shall be sent to the Portsmouth local air agency within 45 days after the deviation occurs.
2. 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 action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Portsmouth local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

### 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:

1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be based upon the analytical results of each shipment of oil, using the equation contained in OAC rule 3745-18-04(F) to calculate the actual emission rate.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

## V. Testing Requirements (continued)

### 1.b Emission Limitation:

0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil

0.19 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends

Applicable Compliance Method:

When burning natural gas, compliance shall be based upon multiplying the maximum hourly gas burning rate of the emissions unit by the particulate emission factor of 13.7 pounds per million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (97.5 mmBtu/hr). The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1.

When burning no. 2 fuel oil, compliance shall be based upon multiplying the particulate emission factor of 2 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

When burning no. 6 fuel oil/coal tar oil blends, compliance shall be based upon multiplying the particulate emission factor of 9.56 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

If required, the permittee shall demonstrate compliance with the emission limitations in accordance with the procedures specified in OAC rule 3745-17-03(B)(11).

### 1.c Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

## 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
boiler #4 - 34 mmBtu/hr boiler fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-31-05 (PTI 07-127)	0.19 pound of particulates per mmBtu of actual heat input  1.0 pound of SO <sub>2</sub> per mmBtu of actual heat input

**2. Additional Terms and Conditions**

- 2.a The percentage of waste oil burned in this emission unit shall not exceed 15%, by weight, at any one time.

**II. Operational Restrictions**

1. All recycled used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property	Allowable Concentration
arsenic	5 ppm, maximum
cadmium	2 ppm, maximum
chromium	10 ppm, maximum
lead	100 ppm, maximum
PCB's	50 ppm, maximum
total halogens	1000 ppm, maximum
mercury	1 ppm, maximum
flash point	100 degrees F, minimum
heat content	135,000 Btu/gallon, minimum

The Ohio EPA may obtain oil samples for analysis or may require the permittee to have oil samples analyzed for the above parameters. If the permittee is required to analyze one or more oil samples, the analyses shall be conducted by an independent laboratory.

This permit to operate allows the use of waste oil from tank A-7 at the Edgewater, New Jersey facility. Prior to the combustion of any material from any other tank at the Edgewater facility, Allied Signal must obtain the written permission of the Ohio EPA.

Before each shipment of materials to Ohio, Allied Chemicals shall sample and analyze the tank car. The results of the analysis shall conform to the specifications listed above and the results of the analysis shall accompany each shipment of waste oil to the Ironton plant.

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

1. The permittee shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:
  - a. date of shipment or delivery;
  - b. quantity of used oil received;
  - c. the Btu value of the used oil;
  - d. the flash point of the used oil;
  - e. the arsenic content;
  - f. the cadmium content;
  - g. the chromium content;
  - h. the lead content;
  - i. the PCB content;
  - j. the total halogen content; and
  - k. the mercury content.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request.

### IV. Reporting Requirements

1. The permittee shall notify the USEPA and the Ohio EPA if any of the used oil exceeds the used oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any used oil.

Before the permittee accepts the first shipment of any off-specification used oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

- a. the company has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and
- b. the company will burn the used oil only in an industrial furnace or boiler identified in 40 CFR Part 266.41(b) and OAC rule 3745-58-42.

A copy of each certification notice that the permittee sends to a marketer must be kept on file for a minimum of 5 years from the date it last received off-specification used oil from that marketer.

### 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:

1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in sections A.III.1 and A.III.2.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

Facility Name: **Allied Signal, Inc. - Ironton, Ohio**

Facility ID: **07-44-01-0002**

Emissions Unit: **Boiler #4 (B004)**

## **V. Testing Requirements (continued)**

**1.b** Emission Limitation:

0.19 pound of particulates per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be demonstrated based upon compliance method and calculation specified in section A.V.1.b.

## **VI. Miscellaneous Requirements**

**None**

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** TT Heater #1 (B005)  
**Activity Description:** 16.1 MMBtu/hr gas or oil-fired heater.

#### A. State and Federally Enforceable Section

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

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
TT heater - 16.1 mmBtu/hr boiler fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-18-50(D)	1.0 pound of sulfur dioxide (SO <sub>2</sub> ) per mmBtu of actual heat input
	OAC rule 3745-17-10	0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil
	OAC rule 3745-17-07	0.35 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The quality of the oil burned in this emissions unit on an "as received" basis shall meet a combination of the heat content and sulfur content which is sufficient to comply with the allowable SO<sub>2</sub> emissions limitation of 1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input.

Compliance with this specification shall be determined using the analytical results provided by the permittee or oil supplier for each shipment of oil.

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

- The permittee shall maintain a record containing the quantity of each fuel burned in this emissions unit.

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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 SO<sub>2</sub> emission rate (in lb/mmBtu). The SO<sub>2</sub> emissions rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). Also, if necessary, the permittee shall maintain monthly records of the calculated SO<sub>2</sub> emission rate based upon a volume-weighted average of the calculated SO<sub>2</sub> emission rates for all shipments of oil during a calendar month.

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, D4294, D6010), or equivalent methods as approved by the Director.

3. The permittee shall perform daily 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.

### **IV. Reporting Requirements**

1. The permittee shall notify the Portsmouth local air agency in writing of any record which shows a deviation of the sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rate from section A.III.2 above. The notification shall include a copy of such records and shall be sent to the Portsmouth local air agency within 45 days after the deviation occurs.
2. 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 action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Portsmouth local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

### **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:

1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be based upon the analytical results of each shipment of oil, using the equation contained in OAC rule 3745-18-04(F) to calculate the actual emission rate.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

## **V. Testing Requirements (continued)**

### **1.b Emission Limitation:**

0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil

0.35 pound of particulates per mmBtu of actual heat input when burning no.6 fuel oil/coal tar oil blends

Applicable Compliance Method:

When burning natural gas, compliance shall be based upon multiplying the maximum hourly gas burning rate of the emissions unit by the particulate emission factor of 13.7 pounds per million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (26.9 mmBtu/hr). The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1.

When burning no. 2 fuel oil, compliance shall be based upon multiplying the particulate emission factor of 2 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

When burning no. 6 fuel oil/coal tar oil blends, compliance shall be based upon multiplying the particulate emission factor of 9.56 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

If required, the permittee shall demonstrate compliance with the emission limitation in accordance with the procedures specified in OAC rule 3745-17-03(B)(11).

### **1.c Emission Limitation:**

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

## **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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tar Heater (B006)  
**Activity Description:** 15 MMBtu/hr gas or oil-fired tar heater.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
tar heater - 15 mmBtu/hr boiler fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-18-50(D)	1.0 pound of sulfur dioxide (SO <sub>2</sub> ) per mmBtu of actual heat input
	OAC rule 3745-17-10	0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil
		0.19 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends
	OAC rule 3745-17-07	See A.I.2.a below. Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

##### 2. Additional Terms and Conditions

- 2.a Per OAC rule 3745-17-10(B), this particulate emission limitation is based on the combined total heat input for emissions units B002, B004 and B006 which are physically or operationally united.

##### II. Operational Restrictions

1. The quality of the oil burned in this emissions unit on an "as received" basis shall meet a combination of the heat content and sulfur content which is sufficient to comply with the allowable SO<sub>2</sub> emission limitation of 1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input.

Compliance with this specification shall be determined using the analytical results provided by the permittee or oil supplier for each shipment of oil.

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

1. The permittee shall maintain a record containing the quantity of each fuel burned in this emissions unit.

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

2. For each shipment of oil received for burning in this emissions unit, the permittee shall 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 SO<sub>2</sub> emissions rate (in lb/mmBtu). The SO<sub>2</sub> emissions rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). Also, if necessary, the permittee shall maintain monthly records of the calculated SO<sub>2</sub> emission rate based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of oil during a calendar month.

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, D4294, D6010), or equivalent methods as approved by the Director.

3. The permittee shall perform daily 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.

### IV. Reporting Requirements

1. The permittee shall notify the Portsmouth local air agency in writing of any record which shows a deviation of the sulfur dioxide emission limitation based upon a volume-weighted average of the calculated sulfur dioxide emission rates from section A.III.2 above. The notification shall include a copy of such records and shall be sent to the Portsmouth local air agency within 45 days after the deviation occurs.
2. 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 action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Portsmouth local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

### 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:

1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be based upon the analytical results of each shipment of oil, using the equation contained in OAC rule 3745-18-04(F) to calculate the actual emission rate.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

## **V. Testing Requirements (continued)**

### **1.b Emission Limitation:**

0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil

0.19 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends

Applicable Compliance Method:

When burning natural gas, compliance shall be based upon multiplying the maximum hourly gas burning rate of the emissions unit by the particulate emission factor of 13.7 pounds per million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (97.5 mmBtu/hr). The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1.

When burning no. 2 fuel oil, compliance shall be based upon multiplying the particulate emission factor of 2 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

When burning no. 6 fuel oil/coal tar oil blends, compliance shall be based upon multiplying the particulate emission factor of 9.56 pounds per 1000 gallons of oil combusted by the heat content of the oil as determined through the fuel analysis required in section A.III.2 above. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

If required, the permittee shall demonstrate compliance with the emission limitations in accordance with the procedures specified in OAC rule 3745-17-03(B)(11).

### **1.c Emission Limitation:**

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

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

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
tar heater - 15 mmBtu/hr boiler fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-31-05 (PTI 07-127)	0.19 pound of particulates per mmBtu of actual heat input  1.0 pound of SO <sub>2</sub> per mmBtu of actual heat input

**2. Additional Terms and Conditions**

- The percentage of waste oil burned in this emission unit shall not exceed 15%, by weight, at any one time.

**II. Operational Restrictions**

- All recycled used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property	Allowable Concentration
arsenic	5 ppm, maximum
cadmium	2 ppm, maximum
chromium	10 ppm, maximum
lead	100 ppm, maximum
PCB's	50 ppm, maximum
total halogens	1000 ppm, maximum
mercury	1 ppm, maximum
flash point	100 degrees F, minimum
heat content	135,000 Btu/gallon, minimum

The Ohio EPA may obtain oil samples for analysis or may require the permittee to have oil samples analyzed for the above parameters. If the permittee is required to analyze one or more oil samples, the analyses shall be conducted by an independent laboratory.

This permit to operate allows the use of waste oil from tank A-7 at the Edgewater, New Jersey facility. Prior to the combustion of any material from any other tank at the Edgewater facility, Allied Signal must obtain the written permission of the Ohio EPA.

Before each shipment of materials to Ohio, Allied Chemicals shall sample and analyze the tank car. The results of the analysis shall conform to the specifications listed above and the results of the analysis shall accompany each shipment of waste oil to the Ironton plant.

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

1. The permittee shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:
  - a. date of shipment or delivery;
  - b. quantity of used oil received;
  - c. the Btu value of the used oil;
  - d. the flash point of the used oil;
  - e. the arsenic content;
  - f. the cadmium content;
  - g. the chromium content;
  - h. the lead content;
  - i. the PCB content;
  - j. the total halogen content; and
  - k. the mercury content.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request.

### IV. Reporting Requirements

1. The permittee shall notify the USEPA and the Ohio EPA if any of the used oil exceeds the used oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any used oil.

Before the permittee accepts the first shipment of any off-specification used oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

- a. the company has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and
- b. the company will burn the used oil only in an industrial furnace or boiler identified in 40 CFR Part 266.41(b) and OAC rule 3745-58-42.

A copy of each certification notice that the permittee sends to a marketer must be kept on file for a minimum of 5 years from the date it last received off-specification used oil from that marketer.

### 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:

1.0 pound of SO<sub>2</sub> per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in sections A.III.1 and A.III.2.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

Facility Name: **Allied Signal, Inc. - Ironton, Ohio**

Facility ID: **07-44-01-0002**

Emissions Unit: **Tar Heater (B006)**

**V. Testing Requirements (continued)**

**1.b** Emission Limitation:

0.19 pound of particulates per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be demonstrated based upon the compliance method and calculation specified in section A.V.1.b.

**VI. Miscellaneous Requirements**

**None**

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Intermediate Naphthalene Column Reboiler (B011)  
**Activity Description:** Intermediate naphthalene column reboiler.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
intermediate naphthalene column reboiler - 5 mmBtu/hr fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-17-10	0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil
	OAC rule 3745-17-07(A)	0.4 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends Visible emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-18-06	See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a This rule does not apply because this emissions unit has a total rated capacity of less than 10 mmBtu/hr.

##### II. Operational Restrictions

None

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

1. The permittee shall maintain a record containing the quantity of each fuel burned in this emissions unit.
2. The permittee shall perform daily 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.

#### **IV. Reporting Requirements**

1. 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 action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Portsmouth Local Air Agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

#### **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:

0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil

0.4 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends

Applicable Compliance Method:

When burning natural gas, compliance shall be based upon multiplying the maximum hourly gas burning rate of the emissions unit by the particulate emission factor of 13.7 pounds per million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (5 mmBtu/hr). The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1.

When burning no. 2 fuel oil, compliance shall be based upon multiplying the particulate emission factor of 2 pounds per 1000 gallons by the maximum hourly gas burning rate of the emissions unit, and then dividing by the maximum hourly heat input of the emissions unit. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

When burning no. 6 fuel oil/coal tar oil blends, compliance shall be based upon multiplying the particulate emission factor of 9.56 pounds per 1000 gallons by the maximum hourly gas burning rate of the emissions unit, and then dividing by the maximum hourly heat input of the emissions unit. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

If required, the permittee shall demonstrate compliance with the emission limitations in accordance with the procedures specified in OAC rule 3745-17-03(B)(11).

- 1.b Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

#### **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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
intermediate naphthalene column reboiler - 5 mmBtu/hr fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-31-05 (PTI 07-045)	See B.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a The best available technology (BAT) determination for PTI 07-045 was determined to be compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10, and 3745-18-06.

**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:** Naphthalene Column Reboiler (B012)  
**Activity Description:** Gas-fired heat exchanger - naphthalene column reboiler.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
intermediate naphthalene column reboiler - 8.5 mmBtu/hr fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-17-10	0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil
		0.4 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends
	OAC rule 3745-17-07(A)	Visible emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-18-06	See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a This rule does not apply because this emissions unit has a total rated capacity of less than 10 mmBtu/hr.

##### II. Operational Restrictions

None

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

1. The permittee shall maintain a record containing the quantity of each fuel burned in this emissions unit.
2. The permittee shall perform daily 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.

#### **IV. Reporting Requirements**

1. 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 action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Portsmouth Local Air Agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

#### **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:

0.020 pound of particulates per mmBtu of actual heat input when burning only natural gas or no. 2 fuel oil

0.4 pound of particulates per mmBtu of actual heat input when burning no. 6 fuel oil/coal tar oil blends

Applicable Compliance Method:

When burning natural gas, compliance shall be based upon multiplying the maximum hourly gas burning rate of the emissions unit by the particulate emission factor of 13.7 pounds per million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (5 mmBtu/hr). The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1.

When burning no. 2 fuel oil, compliance shall be based upon multiplying the particulate emission factor of 2 pounds per 1000 gallons by the maximum hourly gas burning rate of the emissions unit, and then dividing by the maximum hourly heat input of the emissions unit. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

When burning no. 6 fuel oil/coal tar oil blends, compliance shall be based upon multiplying the particulate emission factor of 9.56 pounds per 1000 gallons by the maximum hourly gas burning rate of the emissions unit, and then dividing by the maximum hourly heat input of the emissions unit. The particulate emission factor is specified in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-2.

If required, the permittee shall demonstrate compliance with these emission limitations in accordance with the procedures specified in OAC rule 3745-17-03(B)(11).

**1.b** Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

#### **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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
intermediate naphthalene column reboiler - 8.5 mmBtu/hr fired with natural gas, no. 2 fuel oil, or no. 6 fuel oil/coal tar oil blends	OAC rule 3745-31-05 (PTI 07-045)	See B.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a The best available technology (BAT) determination for PTI 07-045 was determined to be compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10, and 3745-18-06.

**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:** Coal Tar Pitch Storage Piles (F002)  
**Activity Description:** Coal tar pitch storage pile.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
load-in, load-out and wind erosion of storage piles (see section A.I.2.a for identification of storage piles)	OAC rule 3745-17-07(B)(6)	no visible emissions except for a period of time not to exceed 13 minutes during any 60-minute observation period
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.a, A.I.2.b, A.I.2.c, A.I.2.d, and A.I.2.e)

##### 2. Additional Terms and Conditions

- 2.a The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:
  - pitch storage pile
  - recycled pitch storage pile
  - recycled rod dust storage pile
- 2.b The permittee shall employ reasonably available control measures on all load-in and load-out operations associated with the storage piles 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 load-in and load-out material(s) with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- 2.d The permittee shall employ reasonably available control measures for wind erosion from the surfaces of all storage piles 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 keep the storage piles in a 3-sided enclosure to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

## 2. Additional Terms and Conditions (continued)

- 2.e 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 rules 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 load-in operation and load-out operation at each storage pile in accordance with the following frequencies:  

storage pile identification	minimum inspection frequency
all	daily
2. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. 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, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in section A.III.5.d shall be kept separately for (i) the load-in operations and (ii) the load-out operations, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

## IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day 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.

These reports shall be submitted to the appropriate district office or local air agency on a quarterly basis by January 31, April 30, July 31, October 31 and shall cover the previous quarter.

**V. Testing Requirements**

1. Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
load-in, load-out and wind erosion of storage piles	OAC rule 3745-31-05 (PTI 07-144)	minimize or eliminate visible emissions of fugitive dust

**2. Additional Terms and Conditions**

- 2.a The coal tar pitch storage pile shall be covered by a tarp to prevent rain water from coming in contact with the pitch. This tarp shall overlap the proposed dike to prevent runoff water from the tarp or surrounding areas from contacting the stockpile. The entire pitch stockpile shall be covered by the tarp, except for a minimum working face of the stockpile exposed during operation.
- 2.b Any wastewater that may be generated by the coal tar pitch stockpile (storm runoff) shall be collected and treated at the wastewater treatment facilities on site. No discharge of untreated runoff from this stockpile shall be allowed.

**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:** Barge Loading and Unloading (J001)  
**Activity Description:** Barge loading and unloading.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
liquid barge loading and unloading operation	none	none  See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Rail Car Loading (J002)  
**Activity Description:** Rail car loading.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
railcar loading	none	none
		See A.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Naphtha Tank Truck Loading (J003)  
**Activity Description:** Naphtha tank truck loading.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
naphthalene tank truck loading	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank Truck Loading (J004)

**Activity Description:** Tank truck loading of all materials except Pitch and Naphthalene

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
tank truck loading of materials except naphthalene and coal tar pitch	none	none  See A.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Coal Tar Pitch Tank Car Loading (P001)

**Activity Description:** Liquid coal tar pitch rail car and tank truck loading.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch tank car loading	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Coal Tar Rod Pitch Dryer (P002)  
**Activity Description:** Coal tar rod pitch dryer.

#### A. State and Federally Enforceable Section

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

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Coal Tar Rod Pitch Dryer with Cyclone.	OAC rule 3745-17-11	The allowable mass emissions for this emissions unit shall not exceed 9.73 lbs/hr of particulates.
	OAC rule 3745-17-07	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The maximum hourly production rate for this emission unit shall not exceed 17.5 tons/hr.

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

- The permittee shall keep hourly records of the amount of pitch sent to this dryer.
- The permittee shall perform daily checks, when the emission unit is in operation and when the weather conditions allow, for any visible particulate emissions from the cyclone outlet. 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:
  - the color of the emissions;
  - whether the emissions are representative of normal operations;
  - if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - the total duration of any visible emission incident; and
  - any corrective actions taken to eliminate the visible emissions.

##### IV. Reporting Requirements

- The permittee shall submit annual reports that identify any deviation of the hourly production rate limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted to the appropriate District Office or local air agency by January 31 of each year.

#### IV. Reporting Requirements (continued)

2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the cyclone outlet and (b) describe any corrective action taken to eliminate the visible particulate emissions. These reports shall be submitted to the Portsmouth local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

#### 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:

9.73 lbs/hr of particulates

Applicable Compliance Method:

Compliance with this emission limitation shall be determined in accordance with procedures specified in OAC rule 3745-17-03(B)(11).

- 1.b Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

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 renewal.

- 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): Method 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 appropriate Ohio EPA District Office or local air agency.

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

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

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

Facility Name: **Allied Signal, Inc. - Ironton, Ohio**  
Facility ID: **07-44-01-0002**  
Emissions Unit: **Coal Tar Rod Pitch Dryer (P002)**

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Melting (P003)  
**Activity Description:** Pitch melting.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch melting process controlled with a venturi scrubber	OAC rule 3745-21-07(B)	See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a All new stationary emissions units emitting photochemically reactive materials shall minimize such emissions by use of the latest available control techniques and operating practices in accordance with best current technology.
- 2.b The permittee shall operate the venturi scrubber to maintain a minimum VOC control efficiency of 95%.

##### II. Operational Restrictions

1. The pressure drop across the scrubber, while the emissions unit is in operation, shall be continuously maintained at a value of not less than the minimum static pressure drop established during the most recent emission test that demonstrated that the emissions unit was in compliance.

The scrubber water flow rate, while the emissions unit is in operation, shall be continuously maintained at a value of not less than the minimum water flow rate established during the most recent emission test that demonstrated that the emissions unit was in compliance.

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

1. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

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

- a. the pressure drop across the scrubber, in inches of water, on a daily basis;
- b. the scrubber water flow rate, in gallons per minute, on a daily basis; and
- c. the downtime for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

#### **IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. the static pressure drop across the scrubber; and
  - b. the scrubber water flow rate.

#### **V. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for VOC.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for VOC, Method 25A of 40 CFR Part 60, Appendix A. The test method(s) which must be employed to demonstrate compliance with the 95% control efficiency are specified below. 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 appropriate Ohio EPA District Office or local air agency.

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" or the approved alternative test protocol (e.g., "the mass balance protocol approved on 10/25/95. 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.

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

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

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

#### **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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch melting process controlled with a venturi scrubber	OAC rule 3745-31-05 (PTI 07-221)	1.6 lbs/hr of volatile organic compounds (VOC) 7.0 tpy of VOC

**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**

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

**1.a** Emission Limit:

1.6 lbs/hr of VOC  
 7.0 tpy of VOC

Applicable Compliance Method:

Compliance shall be determined through stack testing as described in section A.V.1.

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Naphthalene Distillation Process (P004)  
**Activity Description:** Naphthalene distillation process.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
naphthalene distillation process	none	none
		See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Coal Tar Distillation Unit (P005)

**Activity Description:** Process includes tar hopper distillation, tar heater distillation, tar dehydration (oil and water separator), tar dehydration (I-10 condenser), and several storage tanks.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar distillation process	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Wastewater Treatment Plant (P006)

**Activity Description:** Bioreactors (ICB's 105 through 109), sand filter and process vessels.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
wastewater treatment plant	OAC rule 3745-21-07(B)	See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a All new stationary emission sources of photochemically reactive materials shall minimize such emissions by use of the latest available control techniques and operating practices in accordance with best current technology.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
wastewater treatment plant	OAC rule 3745-31-05 (PTI 07-280)	1.58 lbs/hr of volatile organic compounds (VOC) 58.63 lbs/day of VOC 10.70 tpy of VOC  See B.I.2.a below.  21.5 lbs/30 minutes of VOC when air agitating #56 tank for pH control for a maximum of 30 minutes/day  See B.I.2.b below.

**2. Additional Terms and Conditions**

- 2.a The lbs/hr, lbs/day, and tpy VOC emission limitations were developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and/or reporting requirements to ensure compliance with these emission limitations.
- 2.b The emission limitation of 21.5 lbs of VOC/30 minutes during air agitation of the #56 tank was a limit established in PTI 07-280. The permittee no longer air agitates this tank for pH control.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

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

**V. Testing Requirements (continued)**

**1.a** Emission Limitation:

1.58 lbs/hr of VOC  
58.63 lbs/day of VOC  
10.70 tpy of VOC

Applicable Compliance Method:

Compliance shall be determined for each tank using maximum throughput, and the calculations and emission factors contained in the USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 7.1. The results of the calculation for each tank shall be added for the total emissions.

**VI. Miscellaneous Requirements**

**None**

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** Coal Tar Pitch Receiver #44 (T001)  
**Activity Description:** 10,000 gal coal tar pitch receiver.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch receiver	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Tank #1925 (T002)  
**Activity Description:** 17,500 gal coal tar pitch storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch storage tank #1925	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Tank #1926 (T003)  
**Activity Description:** 27,760 gal coal tar pitch storage tank.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch storage tank #1926	none	none
		See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Tank #31 (T004)

**Activity Description:** 50,000 gal fixed roof coal tar pitch storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch storage tank #31	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Tank #68 (T005)

**Activity Description:** 12,500 gal roofing pitch cooling and loading tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
pitch cooling and loading tank #68	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Tank #2101 (T006)  
**Activity Description:** 15,000 gal rod pitch storage tank.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
rod pitch storage tank #2101 controlled with a venturi scrubber	OAC rule 3745-21-07(D)(2)	See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a The permittee shall not place, store or hold in any stationary storage vessel of more than five hundred gallons capacity any volatile photochemically reactive material unless such vessel is equipped with a permanent submerged fill pipe, is loaded through the use of a portable loading tube which can be inserted below the liquid level line during loading operations, is a pressure tank as described in paragraph (D)(1) of OAC rule 3745-21-07, or is fitted with a vapor recovery system as described in paragraph (D)(1)(b) of OAC rule 3745-21-07.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
rod pitch storage tank #2101 controlled with a venturi scrubber	OAC rule 3745-31-05 (PTI 07-436)	See A.I.2.a and A.I.2.b below.

**2. Additional Terms and Conditions**

- 2.a This emissions unit (tank #2101), along with emissions units T007 (tank #2123) and T038 (tank #2102) shall be vented to a wet scrubber with a minimum control efficiency of 95%. The total allowable emissions from the wet scrubber and all emissions units vented to the wet scrubber shall not exceed 9.52 tpy of volatile organic compounds (VOC).
- 2.b Allowable VOC emissions shall not exceed 12.5 lbs/hr during the steam blowing of transfer lines. The permittee shall steam blow the transfer lines for no more than 45 minutes each day.

**II. Operational Restrictions**

1. The maximum amount of pitch pumped to the rod pitch plant shall not exceed 27,012,230 gallons per year, based upon a rolling, 12-month summation of the production (pumping) rates.
2. The pressure drop across the scrubber, while the emissions unit is in operation, shall be continuously maintained at a value of not less than the minimum static pressure drop established during the most recent emission test that demonstrated that the emissions unit was in compliance.

The scrubber water flow rate, while the emissions unit is in operation, shall be continuously maintained at a value of not less than the minimum water flow rate established during the most recent emission test that demonstrated that the emissions unit was in compliance.

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

1. In order to show compliance with the rolling, 12-month summation described in section B.II.1, the permittee shall maintain monthly records of the following information:
  - a. the production rate for each month; and
  - b. the rolling, 12-month summation of the production rates.
2. The permittee shall maintain a record of the date, time, and duration of each steam blowing of the transfer lines.

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

3. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

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

- a. the pressure drop across the scrubber, in inches of water, on a daily basis;
- b. the scrubber water flow rate, in gallons per minute, on a daily basis; and
- c. the downtime for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

### **IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify all exceedances of the rolling, 12-month production rate limitation described in section B.II.1.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 45 minutes per day time limit for the steam blowing of the transfer lines.
3. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. the static pressure drop across the scrubber; and
  - b. the scrubber water flow rate.
4. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.
5. The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

### **V. Testing Requirements**

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

**1.a** Emission Limitation:

12.5 lbs/hr of VOC while steam blowing  
9.52 tpy of VOC from the wet scrubber with a 95% control efficiency

Applicable Compliance Method:

Compliance shall be based on stack testing in accordance with OAC rule 3745-21-10.

## **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 renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate and control efficiency limitation for VOC.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 of 40 CFR Part 60, Appendix A. The test method(s) which must be employed to demonstrate compliance with the control efficiency limitation for VOC are specified below. 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 appropriate Ohio EPA District Office or local air agency.

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."

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

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

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

## **VI. Miscellaneous Requirements**

**None**

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Pitch Tank #2123 (T007)  
**Activity Description:** 25,000 gal rod pitch storage tank.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
rod pitch storage tank #2123 controlled with a venturi scrubber	OAC rule 3745-21-07(D)(2)	See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a The permittee shall not place, store or hold in any stationary storage vessel of more than five hundred gallons capacity any volatile photochemically reactive material unless such vessel is equipped with a permanent submerged fill pipe, is loaded through the use of a portable loading tube which can be inserted below the liquid level line during loading operations, is a pressure tank as described in paragraph (D)(1) of OAC rule 3745-21-07, or is fitted with a vapor recovery system as described in paragraph (D)(1)(b) of OAC rule 3745-21-07.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
rod pitch storage tank #2123 controlled with a venturi scrubber	OAC rule 3745-31-05 (PTI 07-436)	See A.I.2.a and A.I.2.b below.

**2. Additional Terms and Conditions**

- 2.a This emissions unit (tank #2123), along with emissions units T006 (tank #2101) and T038 (tank #2102) shall be vented to a wet scrubber with a minimum control efficiency of 95%. The total allowable emissions from the wet scrubber and all emissions units vented to the wet scrubber shall not exceed 9.52 tpy of volatile organic compounds (VOC).
- 2.b Allowable VOC emissions shall not exceed 12.5 lbs/hr during the steam blowing of the transfer lines. The permittee shall steam blow the transfer lines for no more than 45 minutes each day.

**II. Operational Restrictions**

1. The maximum amount of pitch pumped to the rod pitch plant shall not exceed 27,012,230 gallons per year, based upon a rolling, 12-month summation of the production (pumping) rates.
2. The pressure drop across the scrubber, while the emissions unit is in operation, shall be continuously maintained at a value of not less than the minimum static pressure drop established during the most recent emission test that demonstrated that the emissions unit was in compliance.

The scrubber water flow rate, while the emissions unit is in operation, shall be continuously maintained at a value of not less than the minimum water flow rate established during the most recent emission test that demonstrated that the emissions unit was in compliance.

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

1. In order to show compliance with the rolling, 12-month summation described in section B.II.1, the permittee shall maintain monthly records of the following information:
  - a. the production rate for each month; and
  - b. the rolling, 12-month summation of the production rates.
2. The permittee shall maintain a record of the date, time, and duration of each steam blowing of the transfer lines.

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

3. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

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

- a. the pressure drop across the scrubber, in inches of water, on a daily basis;
- b. the scrubber water flow rate, in gallons per minute, on a daily basis; and
- c. the downtime for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all exceedances of the rolling, 12-month production rate limitation described in section B.II.1.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 45 minutes per day time limit for the steam blowing of the transfer lines.
3. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. the static pressure drop across the scrubber; and
  - b. the scrubber water flow rate.
4. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.
5. The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

### V. Testing Requirements

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

**1.a** Emission Limitation:

12.5 lbs/hr of VOC while steam blowing  
9.52 tpy of VOC from the wet scrubber with a 95% control efficiency

Applicable Compliance Method:

Compliance shall be based on stack testing in accordance with OAC rule 3745-21-10.

## 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 renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate and control efficiency limitation for VOC.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 of 40 CFR Part 60, Appendix A. The test method(s) which must be employed to demonstrate compliance with the control efficiency limitation for VOC are specified below. 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 appropriate Ohio EPA District Office or local air agency.

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."

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

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

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

## VI. Miscellaneous Requirements

**None**

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** Pitch Tank #20 (T008)  
**Activity Description:** 53,495 gal coal tar pitch storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch storage tank #20	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #29 (T009)  
**Activity Description:** 100,000 gal oil pitch storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
oil pitch storage tank #29	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Melt Tank (T010)  
**Activity Description:** Pitch melt tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
pitch melt tank controlled with a condenser	OAC rule 3745-21-07(B)	See A.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a All new stationary emissions units emitting photochemically reactive materials shall minimize such emissions by use of the latest available control techniques and operating practices in accordance with best current technology.
- 2.b The permittee shall operate an air cooled condenser with a VOC control efficiency of 98% and a permanent submerged fill pipe within 6 inches of the bottom of the storage tank.

**II. Operational Restrictions**

1. The average temperature of the exhaust gases from the condenser, for any 3-hour block of time, shall not be more than 11 degrees Fahrenheit above the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

**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 temperature of the exhaust gases from the condenser 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 each day:

- a. all 3-hour blocks of time during which the average temperature of the exhaust gases from the condenser, when the emissions unit was in operation, was more than 11 degrees Fahrenheit above the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and
- b. a log or record of the downtime for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

#### **IV. Reporting Requirements**

1. The permittee shall submit temperature deviation (excursion) reports that identify all 3-hour blocks of time during which the average temperature of the exhaust gases from the condenser exceeded the temperature limitation specified above.

#### **V. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for VOC.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for VOC, Method 25A of 40 CFR Part 60, Appendix A. The test method(s) which must be employed to demonstrate compliance with the 98% control efficiency are specified below. 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 appropriate Ohio EPA District Office or local air agency.

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" or the approved alternative test protocol (e.g., "the mass balance protocol approved on 10/25/95. 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.

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

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

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

#### **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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
pitch melt tank controlled with a condenser	OAC rule 3745-31-05 (PTI 07-144)	1.4 lbs/hr of volatile organic compounds (VOC) 1.2 tpy of VOC

**2. Additional Terms and Conditions**

- 2.a The permittee shall employ a permanent submerged fill pipe in this emissions unit. The submerged fill pipe shall be within six (6) inches of the bottom of the storage tank.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

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

1.a Emission Limitation:

1.4 lbs/hr of VOC  
1.2 tpy of VOC

Applicable Compliance Method:

Compliance shall be determined through stack testing as described in section A.V.1.

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Tank #1 (T017)  
**Activity Description:** 500,000 gal fixed roof tar storage tank.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
tar storage tank #1	none	none
		See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emissions unit.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #2 (T018)  
**Activity Description:** 250,000 gal fixed roof tar storage tank.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
tar storage tank #2	none	none
		See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #11 (T019)

**Activity Description:** 150,000 gal fixed roof carbolate/top carbolitic oil tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
carbolate/top carbolitic oil tank #11	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #12 (T020)  
**Activity Description:** 150,000 gal fixed roof creosote storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
creosote storage tank #12	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #13 (T021)

**Activity Description:** 108,200 gal fixed roof creosote solution tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
creosote solution tank #13	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #15 (T022)  
**Activity Description:** 50,000 gal fixed coal tar oil storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar oil storage tank #15	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #19 (T023)

**Activity Description:** 50,000 gal fixed roof refined tar storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
refined tar storage tank #19	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #24 (T024)  
**Activity Description:** 100,000 gal fixed roof heavy oil storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
heavy oil storage tank #24	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #27 (T025)  
**Activity Description:** 50,000 gal fixed roof coal tar fuel oil tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar fuel oil tank #27	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #34 (T026)  
**Activity Description:** 50,000 gal fixed roof coal tar fuel oil tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar fuel oil tank #34	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #70 (T027)

**Activity Description:** 100,000 gal fixed crude coal tar oil storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
crude coal tar oil storage tank #70	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #71 (T028)  
**Activity Description:** 100,000 gal fixed crude coal tar oil storage tank.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
crude coal tar oil storage tank #71	none	none
		See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #72 (T029)  
**Activity Description:** 100,000 gal fixed roof crude coal tar oil tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
crude coal tar oil tank #72	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #73 (T030)  
**Activity Description:** 100,000 gal fixed roof crude coal tar oil tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
crude coal tar oil tank #73	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #1299 (T031)  
**Activity Description:** 100,000 gal fixed roof crude coal tar oil tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
crude coal tar oil tank #1299	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<b><u>Operations, Property, and/or Equipment</u></b>	<b><u>Applicable Rules/ Requirements</u></b>	<b><u>Applicable Emissions Limitations/Control Measures</u></b>
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**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:** Tank #1851 (T032)

**Activity Description:** 508,000 gal fixed roof naphthalene storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
naphthalene storage tank #1851	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #1853 (T033)

**Activity Description:** 763,500 gal fixed roof creosote top carbolic storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
creosote top carbolic storage tank #1853	none	none  See A.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #6 (T034)  
**Activity Description:** 150,000 gal fixed roof carbolate storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
carbolate storage tank #6	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Tank #1312 (T037)  
**Activity Description:** 150,000 gal fixed roof carbolate storage tank.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
carbolate storage tank #1312	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Tank #2102 (T038)

**Activity Description:** 15,000 gal rod pitch storage tank, formerly permitted under T006.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
rod pitch storage tank #2102 controlled with a venturi scrubber	OAC rule 3745-21-07(D)(2)	See A.I.2.a below.

##### 2. Additional Terms and Conditions

- 2.a The permittee shall not place, store or hold in any stationary storage vessel of more than five hundred gallons capacity any volatile photochemically reactive material unless such vessel is equipped with a permanent submerged fill pipe, is loaded through the use of a portable loading tube which can be inserted below the liquid level line during loading operations, is a pressure tank as described in paragraph (D)(1) of OAC rule 3745-21-07, or is fitted with a vapor recovery system as described in paragraph (D)(1)(b) of OAC rule 3745-21-07.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
rod pitch storage tank #2102 controlled with a venturi scrubber	OAC rule 3745-31-05 (PTI 07-436)	See section A.I.2.a. and A.I.2.b.

**2. Additional Terms and Conditions**

- 2.a This emissions unit (tank #2102), along with emissions units T006 (tank #2101) and T007 (tank #2123) shall be vented to a wet scrubber with a minimum control efficiency of 95%. The total allowable emissions from the wet scrubber and all emissions units vented to the wet scrubber shall not exceed 9.52 tpy of volatile organic compounds (VOC).
- 2.b Allowable VOC emissions shall not exceed 12.5 lbs/hr during the steam blowing of the transfer lines. The permittee shall be permitted to steam blow the transfer lines for 45 minutes each day.

**II. Operational Restrictions**

1. The maximum amount of pitch pumped to the rod pitch plant shall not exceed 27,012,230 gallons per year, based upon a rolling, 12-month summation of the production (pumping) rates.
2. The pressure drop across the scrubber, while the emissions unit is in operation, shall be continuously maintained at a value of not less than the minimum static pressure drop established during the most recent emission test that demonstrated that the emissions unit was in compliance.

The scrubber water flow rate, while the emissions unit is in operation, shall be continuously maintained at a value of not less than the minimum water flow rate established during the most recent emission test that demonstrated that the emissions unit was in compliance.

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

1. In order to show compliance with the rolling, 12-month summation described in section B.II.1, the permittee shall maintain monthly records of the following information:
  - a. the production rate for each month; and
  - b. the rolling, 12-month summation of the production rates.
2. The permittee shall maintain a record of the date, time, and duration of each steam blowing of the transfer lines.

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

3. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

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

- a. the pressure drop across the scrubber, in inches of water, on a daily basis;
- b. the scrubber water flow rate, in gallons per minute, on a daily basis; and
- c. the downtime for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all exceedances of the rolling, 12-month production rate limitation described in section B.II.1.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 45 minutes per day time limit for steam blowing of transfer lines.
3. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. the static pressure drop across the scrubber; and
  - b. the scrubber water flow rate.
4. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.
5. The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

### V. Testing Requirements

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

**1.a** Emission Limitation:

12.5 lbs/hr of VOC while steam blowing  
9.52 tpy of VOC from the wet scrubber with a 95% control efficiency

Applicable Compliance Method:

Compliance shall be based on stack testing in accordance with OAC rule 3745-21-10.

## 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 renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate and control efficiency limitation for VOC.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 of 40 CFR Part 60, Appendix A. The test method(s) which must be employed to demonstrate compliance with the control efficiency limitation for VOC are specified below. 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 appropriate Ohio EPA District Office or local air agency.

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."

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

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

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

## VI. Miscellaneous Requirements

**None**

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** Coal Tar Pitch Receiver #45 (Z010)

**Activity Description:** 10,000 gal coal tar pitch receiver, formerly permitted under T001.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch receiver #45	none	none
		See A.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Coal Tar Pitch Receiver #46 (Z011)

**Activity Description:** 10,000 gal vapor condensate collection tank, formerly permitted under T001.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
vapor condensate collection tank #46	none	none  See A.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Coal Tar Pitch Receiver #47 (Z012)

**Activity Description:** 10,000 gal tar heater scrubber tank, formerly permitted under T001.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch receiver #47	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

##### II. Operational Restrictions

None

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

None

##### IV. Reporting Requirements

None

##### V. Testing Requirements

None

##### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Tank #74 (Z013)

**Activity Description:** 50,000 gal fixed roof coal tar pitch storage tank, formerly permitted under T004.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal tar pitch storage tank #74	none	none

See A.I.2.a below.

**2. Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Pitch Tank #69 (Z014)

**Activity Description:** 12,500 gal roofing pitch cooling and loading tank, formerly permitted under T005.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
pitch cooling and loading tank #69	none	none
		See A.I.2.a below.

2. **Additional Terms and Conditions**

- 2.a This facility is not located in a Priority I area as defined in OAC rule 3745-21-06 and this emissions unit is not a "new source" as defined in OAC rule 3745-15-01; therefore, the emission limitations and/or control measures in OAC rule 3745-21-07 do not apply to this emission unit.

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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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