State of Ohio Environmental Protection Agency

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

Mailing Address: Lazarus Gov. Center

RE: DRAFT PERMIT TO INSTALL MODIFICATION **CERTIFIED MAIL**
HOLMES COUNTY
Application No: 02-17426
DATE: 6/8/2004

Holmes Supply Corporation
Steve Schlabach
6710 County Road 624
Millersburg, OH 44654

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install modification for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit modification. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit modification should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install modification may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install modification a fee of **$ 0** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Michael W. Ahern

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

CC: **USEPA** **NEDO**

HOLMES COUNTY

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL **02-17426** FOR AN AIR CONTAMINANT SOURCE FOR
HOLMES SUPPLY CORPORATION

On 6/8/2004 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Holmes Supply Corporation**, located at **7571 State Route 83, Holmesville**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 02-17426:

Administrative modification to PTI number 02-17426.

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

Dennis Bush, Ohio EPA, Northeast District Office, 2110 East Aurora Road, Twinsburg, OH 44087
[(330)425-9171]

DRAFT MODIFICATION OF PERMIT TO INSTALL 02-17426

Application Number:	02-17426
APS Premise Number:	0238000167
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	Holmes Supply Corporation
Person to Contact:	Steve Schlabach
Address:	6710 County Road 624 Millersburg, OH 44654

Location of proposed air contaminant source(s) [emissions unit(s)]:
7571 State Route 83
Holmesville, **Ohio**

Description of proposed emissions unit(s):
Administrative modification to PTI number 02-17426.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

_____
Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

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

2. Reporting Requirements

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. Termination of Permit to Install

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

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may

lead to such sanctions

and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

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

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

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

13. Source Operation and Operating Permit Requirements After Completion of Construction

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete

Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

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

14. Construction Compliance Certification

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

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

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

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

Pollutant	Tons Per Year
CO	99.1
NOx	57.4
PE	49.5
SO2	37.9
OC	22.0

Emissions Unit ID: **B001**

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements
B001 - 475 HP Diesel Caterpillar Generator, providing power to asphalt plant, with a heat input of 3.41 MMBTU/hr	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-17-07(A)(1)
	OAC rule 3745-17-11(B)(5)(a)
	OAC rule 3745-18-06(G)
	OAC rule 3745-21-07(B)
	OAC rule 3745-23-06(B)
	OAC rule 3745-35-07(B)

Applicable Emissions Limitations/Control Measures	
Emissions from the combustion engine shall not exceed the following emissions limitations:	
Particulate emissions(PE) 1.34 lbs/hr	
Sulfur dioxide (SO_2) 1.0 lbs/hr	
Nitrogen oxide (NO_x) 9.42 lbs/hr	
Carbon monoxide (CO) 4.62 lbs/hr	
Organic compound (OC) 0.15 lbs/hr	
See Section B.1. below.	
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) and OAC rule 3745-35-07(B).	
This emissions unit shall not operate more than 2,500 hours as a 12-month rolling cumulative summation.	
Emissions from the combustion engine shall not exceed the following limit, as a 12-month rolling cumulative summation:	
PE 1.68 tons	
SO_2 1.25 tons	
NO_x 11.78 tons	
CO 5.78 tons	
OC 0.19 tons	
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.	
The PE limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).	
See Section A.2.b.	
See Section A.2.a.	
See Section A.2.a.	

2. Additional Terms and Conditions

2.a The permittee has satisfied the "best available control techniques and operating practices" for the combustion engine, as required pursuant to OAC rule 3745-21-07(B) and the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit-to-install (PTI).

2.b This combustion engine is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).

B. Operational Restrictions

1. The permittee shall use only diesel fuel (number 2 fuel oil) with a maximum sulfur content of 0.5 percent by weight for combustion in this emissions unit.

2. The maximum annual operating hours for this emissions unit shall not exceed 2,500 hours, based upon a rolling, 12-month summation of the operating hours.

   To ensure enforceability during the first 12 calendar months of operation, following the issuance of this permit, the permittee shall not exceed the operating hour levels specified in the following table:

Months(s)	Maximum Allowable Cumulative Operating Hours
1	720
1-2	1,440
1-3	2,160
1-4	2,500
1-5	2,500
1-6	2,500
1-7	2,500
1-8	2,500
1-9	2,500
1-10	2,500
1-11	2,500
1-12	2,500

   After the first 12 calendar months of operation following the issuance of this permit, compliance

with the annual operating hour limitation shall be based upon a rolling, 12-month summation of the operating hours.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in the combustion engine. The permittee shall also maintain documentation of the sulfur content of all fuels received.

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

   a. The operating hours for each month.

   b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the 12-month rolling cumulative summation of the operating hours.

   Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel was burned in the combustion engine, and also each record identifying an exceedance of 0.5% sulfur content, by weight.

1. The permittee shall submit deviation (excursion) reports which identify any exceedence of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedences of the maximum allowable cumulative operating hours levels.

2. The deviation (excursion) reports shall be submitted in accordance with Section A.2 of the General Terms and Conditions of this permit.

E. Testing Requirements

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

   a. Emission Limitation:
   PE from the combustion engine shall not exceed 1.34 lb/hr and 1.68 tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

b. Emission Limitation:
SO_2 emissions from the combustion engine shall not exceed 1.0 lb/hr and 1.25 Tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon the fuel usage in lb/BHP-hr (0.357) times the BHP (475) emission factors, as supplied by Caterpillar, times 0.5%, which is the maximum allowable fuel sulfur content. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours.

c. Emission Limitation:
NO_x emissions from the combustion engine shall not exceed 9.42 lbs/hr and 11.78 Tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

d. Emission Limitation:
CO emissions from the combustion engine shall not exceed 4.62 lbs/hr and 5.78 Tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

e. Emission Limitation:
OC emissions from the combustion engine shall not exceed 0.15 lb/hr and 0.19 Tons, as a

12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

f. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:
Compliance with the above visible emission limitation shall be determined by USEPA's Reference Method 9 in 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
B002 - 537 HP Diesel Caterpillar Generator, providing power to asphalt plant, with a heat input of 3.67 MMBTU/hr	OAC rule 3745-31-05(A)(3)	
		OAC rule 3745-17-07(A)(1)
		OAC rule 3745-17-11(B)(5)(a)
		OAC rule 3745-18-06(G)
		OAC rule 3745-21-07(B)
		OAC rule 3745-23-06(B)
	OAC rule 3745-35-07(B)	

Applicable Emissions Limitations/Control Measures	
Emissions from the combustion engine shall not exceed the following emissions limitations:	
Particulate emissions(PE) 3.36 lbs/hr	
Sulfur dioxide (SO_2) 1.0 lbs/hr	
Nitrogen oxide (NO_x) 8.55 lbs/hr	
Carbon monoxide (CO) 11.46 lbs/hr	
Organic compound (OC) 0.09 lbs/hr	
See Section B.1. below.	
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) and OAC rule 3745-35-07(B).	
This emissions unit shall not operate more than 2,500 hours as a 12-month rolling cumulative summation.	
Emissions from the combustion engine shall not exceed the following limit, as a 12-month rolling cumulative summation:	
PE 4.2 tons	
SO_2 1.25 tons	
NO_x 10.69 tons	
CO 14.33 tons	
OC 0.11 tons	
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.	
The PE limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).	
See Section A.2.b.	
See Section A.2.a.	
See Section A.2.a.	

2. Additional Terms and Conditions

2.a The permittee has satisfied the "best available control techniques and operating practices" for the combustion engine, as required pursuant to OAC rule 3745-21-07(B) and the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit-to-install (PTI).

2.b This combustion engine is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).

B. Operational Restrictions

1. The permittee shall use only diesel fuel (number 2 fuel oil) with a maximum sulfur content of 0.5 percent by weight for combustion in this emissions unit.

2. The maximum annual operating hours for this emissions unit shall not exceed 2,500 hours, based upon a rolling, 12-month summation of the operating hours.

   To ensure enforceability during the first 12 calendar months of operation, following the issuance of this permit, the permittee shall not exceed the operating hour levels specified in the following table:

Months(s)	Maximum Allowable Cumulative Operating Hours
1	720
1-2	1,440
1-3	2,160
1-4	2,500
1-5	2,500
1-6	2,500
1-7	2,500
1-8	2,500
1-9	2,500
1-10	2,500
1-11	2,500
1-12	2,500

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual operating hour limitation shall be based upon a rolling, 12-month summation of the operating hours.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in the combustion engine. The permittee shall also maintain documentation of the sulfur content of all fuels received.

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

   a. The operating hours for each month.

   b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the 12-month rolling cumulative summation of the operating hours.

   Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel

other than diesel fuel was burned in the combustion engine, and also each record identifying an exceedance of 0.5% sulfur content, by weight.

2. The permittee shall submit deviation (excursion) reports which identify any exceedence of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedences of the maximum allowable cumulative operating hours levels.

2. The deviation (excursion) reports shall be submitted in accordance with Section A.2 of the General Terms and Conditions of this permit.

E. Testing Requirements

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

   a. Emission Limitation:
   PE from the combustion engine shall not exceed 3.36 lb/hr and 4.2 tons, as a 12-month rolling cumulative summation.

   Applicable Compliance Method:
   The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

   b. Emission Limitation:
   SO_2 emissions from the combustion engine shall not exceed 1.0 lb/hr and 1.25 Tons, as a 12-month rolling cumulative summation.

   Applicable Compliance Method:
   The emission limitation is based upon the fuel usage in lb/BHP-hr (0.339) times the BHP (537) emission factors, as supplied by Caterpillar, times 0.5%, which is the maximum allowable fuel sulfur content. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours.

   c. Emission Limitation:
   NO_x emissions from the combustion engine shall not exceed 8.55 lbs/hr and 10.69 Tons, as a 12-month rolling cumulative summation.

   Applicable Compliance Method:
   The emission limitation is based upon emission factors supplied by Caterpillar.

Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

d. Emission Limitation:
CO emissions from the combustion engine shall not exceed 11.46 lbs/hr and 14.33 Tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

e. Emission Limitation:
OC emissions from the combustion engine shall not exceed 0.09 lb/hr and 0.11 Tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

f. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:
Compliance with the above visible emission limitation shall be determined by USEPA's Reference Method 9 in 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
B003 - 890 HP Diesel Caterpillar Generator, providing power to aggregate plant, with a heat input of 6.23 MMBTU/hr	OAC rule 3745-31-05(A)(3)	
		OAC rule 3745-17-07(A)(1)
		OAC rule 3745-17-11(B)(5)(a)
		OAC rule 3745-18-06(G)
		OAC rule 3745-21-07(B)
	OAC rule 3745-35-07(B)	OAC rule 3745-23-06(B)

Applicable Emissions Limitations/Control Measures	
Emissions from the combustion engine shall not exceed the following emissions limitations:	
Particulate emissions(PE) 1.07 lbs/hr	
Sulfur dioxide (SO_2) 1.6 lbs/hr	
Nitrogen oxide (NO_x) 10.69 lbs/hr	
Carbon monoxide (CO) 0.56 lbs/hr	
Organic compound (OC) 0.13 lbs/hr	
See Section B.1. below.	
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) and OAC rule 3745-35-07(B).	
This emissions unit shall not operate more than 2,500 hours as a 12-month rolling cumulative summation.	
Emissions from the combustion engine shall not exceed the following limit, as a 12-month rolling cumulative summation:	
PE 1.34 tons	
SO_2 2.0 tons	
NO_x 18.4 tons	
CO 0.7 tons	
OC 0.16 tons	
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.	
The PE limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).	
See Section A.2.b.	
See Section A.2.a.	
See Section A.2.a.	

2. Additional Terms and Conditions

2.a The permittee has satisfied the "best available control techniques and operating practices" for the combustion engine, as required pursuant to OAC rule 3745-21-07(B) and the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit-to-install (PTI).

2.b This combustion engine is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).

B. Operational Restrictions

1. The permittee shall use only diesel fuel (number 2 fuel oil) with a maximum sulfur content of 0.5 percent by weight for combustion in this emissions unit.

2. The maximum annual operating hours for this emissions unit shall not exceed 2,500 hours, based upon a rolling, 12-month summation of the operating hours.

   To ensure enforceability during the first 12 calendar months of operation, following the issuance of this permit, the permittee shall not exceed the operating hour levels specified in the following table:

Months(s)	Maximum Allowable Cumulative Operating Hours
1	720
1-2	1,440
1-3	2,160
1-4	2,500
1-5	2,500
1-6	2,500
1-7	2,500
1-8	2,500
1-9	2,500
1-10	2,500
1-11	2,500
1-12	2,500

   After the first 12 calendar months of operation following the issuance of this permit, compliance

with the annual operating hour limitation shall be based upon a rolling, 12-month summation of the operating hours.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in the combustion engine. The permittee shall also maintain documentation of the sulfur content of all fuels received.

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

   a. The operating hours for each month.

   b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the 12-month rolling cumulative summation of the operating hours.

   Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel was burned in the combustion engine, and also each record identifying an exceedance of 0.5% sulfur content, by weight.

3. The permittee shall submit deviation (excursion) reports which identify any exceedence of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedences of the maximum allowable cumulative operating hours levels.

2. The deviation (excursion) reports shall be submitted in accordance with Section A.2 of the General Terms and Conditions of this permit.

E. Testing Requirements

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

   a. Emission Limitation:
   PE from the combustion engine shall not exceed 1.07 lb/hr and 1.34 tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

b. Emission Limitation:
SO_2 emissions from the combustion engine shall not exceed 1.6 lb/hr and 2.0 Tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon the fuel usage in lb/BHP-hr (0.347) times the BHP (890) emission factors, as supplied by Caterpillar, times 0.5%, which is the maximum allowable fuel sulfur content. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours.

c. Emission Limitation:
NO_x emissions from the combustion engine shall not exceed 10.69 lbs/hr and 18.4 Tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

d. Emission Limitation:
CO emissions from the combustion engine shall not exceed 0.56 lbs/hr and 0.7 Tons, as a 12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

e. Emission Limitation:
OC emissions from the combustion engine shall not exceed 0.13 lb/hr and 0.16 Tons, as a

12-month rolling cumulative summation.

Applicable Compliance Method:
The emission limitation is based upon emission factors supplied by Caterpillar. Compliance with the rolling cumulative allowable emission limitation shall be determined by multiplying the hourly emission limitation the 12-month rolling cumulative summation of operating hours, and dividing by 2,000 (lb/ton).

f. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:
Compliance with the above visible emission limitation shall be determined by USEPA's Reference Method 9 in 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F001 - Facility Roadways and Parking Areas	OAC rule 3745-31-05 (A)(3)	Particulate emissions (PE) from roadways and parking areas shall not exceed 24.3 TPY There shall be no visible particulate emissions except for 1 minute during any 60-minute period from paved roadways There shall be no visible particulate emissions except for 3minutes during any 60-minute period from unpaved roadways The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See Sections A.2.b to A.2.i.
	OAC rule 3745-17-07 (B)(4)	See Sections A.2.j.
	OAC rule 3745-17-07 (B)(5)	See Sections A.2.j.

2. Additional Terms and Conditions

2.a All paved roadways and parking areas at the facility are covered by this permit and subject to the requirements of OAC rule 3745-17-07.

2.b All unpaved roadways and parking areas at the facility are covered by this permit and subject to the requirements of OAC rules 3745-17-07.

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

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

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

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

2.g The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has

been deposited by trucking or earth moving equipment or erosion by water or other means.

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

2.i Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

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

B. Operational Restrictions

1. When a dust suppressant is used for controlling fugitive dust from the roadways and parking areas, the following restrictions shall be followed:

   a. The permittee shall certify or possess certification that all dust suppressants used to control fugitive dust meet the PCB limitations set forth in 40 CFR 761, and that there are no listed hazardous wastes or characteristic hazardous wastes as set forth in 40 CFR 261.

   b. The permittee shall not apply used oil as defined by OAC rule 3745-279-01(A)(12) as a dust suppressant.

   c. The dust suppressant shall be applied in such a manner as to prevent pollution of waters of the State as required by the Ohio Revised Code, section 6111.

C. Monitoring and/or Record keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of all section of roadways and parking areas at a minimum inspection frequency on a daily basis.

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

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 the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

   The information required in 4.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. 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.

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

E. Testing Requirements

1. <u>Emission Limitation</u>

24.3 ton per year of particulate emissions

Applicable Compliance Method

Compliance shall be determined by using the following equations, from AP-42 Chapters 13.2.1 and 13.2.2 for paved (10/02) and unpaved (9/98) roadways, as follows:

For Paved Roads: E (ton/yr)= k * (sL/2)^0.65 * (W/3)^1.5 * (1-P/4N) * (VMT/yr) * (ton/2,000lb) * (1-CE)

where: E is the emissions, in lb per vehicle miles traveled (VMT)
k is a constant, 0.082 lb/ VMT
sL is the silt content of the roadway (8.2 for quarry)
W is the mean vehicle weight, in tons (40)
P is the number of days with over 0.01" of precipitation (156.4)
N is the number of days in the averaging period (365)
VMT/yr is the total vehicle miles traveled on paved roadways (32,400)
CE is the control efficiency (95%)

For Unpaved Roads: E = k * (s/12)^0.8 * (W/3)^0.5 / (M/0.2)^0.4 * [(365 - p) / 365] * (VMT/yr) * (ton/2,000lb) * (1-CE)

where: E is the emissions, in lb per vehicle miles traveled (VMT)
k is a constant, 10 lb/VMT
s is the silt content of the roadway (10 for sand/gravel)
W is the mean vehicle weight, tons (40)
M is the surface material moisture content (10%)
p is the number of days with over 0.01" of precipitation (156.4)
VMT/yr is the total vehicle miles traveled on paved roadways (90,000)
CE is the control efficiency (90%)

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

F. Miscellaneous Requirements

1. This PTI replaces PTI number 02-0899 issued for this unit on April 23, 1997.

Emissions Unit ID: **F002**

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
F002 - Facility Storage Piles (incl. both asphalt and aggregate plants) - load-in and load-out	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-08(B)
wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	
load-in and load-out of storage piles and wind erosion from storage piles	OAC rule 3745-31-05(A)(3) OAC rule 3745-17-07(B)	

Applicable Emissions Limitations/Control Measures	
There shall be no visible emissions of fugitive dust except for a period of time not to exceed one minute during any sixty-minute observation period.	The control requirements specified by this rule are less stringent than the control requirements established pursuant to OAC rule 3745-31-05(A)(3).
The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.c, and A.2.f).	
There shall be no visible emissions of fugitive dust except for a period of time not to exceed one minute during any sixty-minute observation period.	
The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.f).	
Particulate emissions shall not exceed 6.9 TPY from wind erosion and load-in and load-out operations.	
The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).	

2. Additional Terms and Conditions

2.a All of the storage piles at this facility are covered by this permit and subject to the requirements of OAC rule 3745-31-05.

2.b The permittee shall employ best available control measures for 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 process aggregate material with inherently high moisture content and to minimize drop height distance from front-end loaders 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 measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measure is unnecessary.

2.d The permittee shall employ best 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 process aggregate material with inherently high moisture content to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.e The above-mentioned control measures shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of additional control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

2.f 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 and 3745-31-05.

B. Operational Restrictions

none

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile at this facility on a daily basis.

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile at this facility on a daily basis.

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile at this facility on a daily basis.

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to ensure continued compliance for load-in and load-out of a storage pile and for wind erosion from the surface of a storage pile and determine the need for implementing additional control measures. The inspections shall be performed during representative, normal storage pile operating conditions.

6. 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.

7. 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 measure(s);

   c. the dates the control measure(s) were implemented; and

d. on a calendar quarter basis, the total number of days the control measure(s) 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 measures.

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation (exceedance) 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.

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

E. Testing Requirements

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

   a. Compliance with the visible emission limitations for the wind erosion and load-in and load-out operations from 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 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996.

   b. Emission Limitation:
   Particulate emissions shall not exceed 6.9 TPY from wind erosion and load-in and load-out operations.

   Applicable Compliance Method:
   Compliance with the above annual particulate emission limitation shall be determined by

the following equations:

from AP-42, Chapter 13.2.4 (Aggregate Handling and Storage Piles), Fifth Edition, dated 1/1995, for load -in and load-out operations,

$$El = k * 0.0032 * [(U/5)^{1.3} / (M/2)^{1.4}] * P / 2{,}000 * 2$$

where:

El = annual particulate emission rate (TPY)
k = particle size multiplier (dimensionless) (0.74)
U = mean wind speed (9.8 mph)
M = material moisture content (5%)
P = maximum potential tons handled per year (900,000)

and from USEPA's Control of Open Fugitive Dust Sources September 1988 for wind erosion from storage piles, equation 4-9:

$$Ew = 1.7 \times (s/1.5) \times [(365-p)/235] \times (f/15) \times 365 \times A / 2{,}000$$

where:

Ew = total annual particulate emission rate
s = silt content of the stored material, weight percent (10 %)
p = number of days with > 0.01 inches of precipitation per year (153.6 days)
f = percentage of time wind speed exceeds 12 mph (27.53 %)
A = total surface area of storage piles (1.6 acres)

For total particulate emissions:

E = [sum of particulate emissions from each load-in/load-out operation (El)] + [total annual particulate emissions from wind erosion (Ew)]

F. Miscellaneous Requirements

none

\PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F003 - wet mining and screening operation, including crushing, screening and material handling of raw material extracted from a pond.	OAC rule 3745-31-05(A)(3)	See A.2.a., A.2.b., A.2.c., A.2.d., and A.2.e. Particulate emissions shall not exceed 32.9 tons per year.
	OAC rule 3745-17-07 (B)	Not applicable. See A.2.f.
	OAC rule 3745-17-08 (B)	Not applicable. See A.2.g.
	40 CFR, Part 60, Subpart OOO	The visible emission limitations in this regulation are less stringent than thos established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a There shall be no visible emissions from the sediment pond unloading operations, and subsequent transfer of material to the feeder (F1).

2.b Based upon the permit to install application, the following equipment are part of the process line, and subject to the visible emissions (VE) limitations, as listed:

Equipment Type	Identification	Process Weight Rate (TPH)	Applicable VE Limit
24" Feeder	F1	300	see a.2.c
30x100" Conveyor Belt	C1	300	see a.2.c

30x60" Conveyor Belt	C2	300	see a.2.d
24x60" Conveyor Belt	C3	150	see a.2.d
24x55" Conveyor Belt	C4	150	see a.2.d
24x110" Conveyor Belt	C5	150	see a.2.d
24x60" Conveyor Belt	C6	150	see a.2.d
24x15" Conveyor Belt	C7	150	see a.2.d
24x60" Conveyor Belt	C8	250	see a.2.d
30x100" Conveyor Belt	C9	150	see a.2.d
24x110" Conveyor Belt	C10	150	see a.2.d
24x60" Conveyor Belt	C11	150	see a.2.d
24x60" Conveyor Belt	C12	150	see a.2.d
24x50" Conveyor Belt	C13	200	see a.2.d
30x150" Conveyor Belt	C14	200	see a.2.d
30x100" Conveyor Belt	C15	200	see a.2.c
30x60" Conveyor Belt	C16	300	see a.2.c
30x150" Conveyor Belt	C17	300	see a.2.c
36x25" Screw Conveyor	SC1	200	see a.2.d
36x30" Screw Conveyor	SC2	200	see a.2.d
36x30" Screw Conveyor	SC3	200	see a.2.c
Koneka Crusher	CR1	150	see a.2.e
Koneka Crusher	CR2	150	see a.2.e
Tyler Screen (6x16 3-deck)	W1	400	see a.2.d
Tyler Screen (6x16 3-deck)	W2	400	see a.2.d
Tyler Screen (6x16 3-deck)	W3	400	see a.2.c

2.c There shall be no visible emissions from:

i. Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the first crusher; and/or

ii. Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crushers, grinding mill, or storage bin in the production line.

2.d There shall be no visible emissions from any transfer point on belt conveyors or from any other fugitive source any fugitive emissions which exhibit greater than ten percent (10%) opacity, as a six-minute average, except as listed in A.2.e.

2.e There shall be no visible emissions from any crusher, at which a capture system is not used, which exhibit greater than fifteen percent (15%) opacity, as a six-minute average.

2.f In accordance with OAC rule 3745-17-07(B)(11)(e), the requirements of OAC rule 3745-17-07(B) shall not apply to this emissions unit.

2.g In accordance with OAC rule 3745-17-08(A)(1), the requirements of OAC rule 3745-17-08(B) shall not apply to this emissions unit.

B. Operational Restrictions

none

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall conduct or have conducted visible emission evaluations in accordance with USEPA's Reference Method 9 of 40 CFR, Part 60, Appendix A at a minimum annually. The visible emission evaluations shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 3 hours (30 six-minute averages). However, the duration of the Method 9 observations can be reduced to 1 hour (10 six-minute averages) if the following conditions apply: (1) there are no individual readings greater than 10 % opacity and (2) there are no more than 3 readings of 10 % opacity for the one-hour period.

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.

D. Reporting Requirements

1. Within thirty (30) days of installation of a new or replacement part of equipment, a report shall submitted to Ohio EPA, NEDO that documents the following information about the existing unit being replaced and the replacement part of equipment:

   a. For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

      i. the rated capacity in tons per hour of the existing facility being replaced and

      ii. the rated capacity in tons per hour of the replacement equipment.

b. For a screening operation:

i. the total surface area of the top screen of the existing screening operation being replaced and

ii. the total surface area of the top screen of the replacement screening operation.

c. For a conveyor belt:

i. the width of the existing belt being replaced and

ii. the width of the replacement conveyor belt.

d. For a storage bin:

i. the rated capacity in tons of the existing storage bin being replaced and

ii. the rated capacity in tons of replacement storage bins.

2. Within thirty (30) days of processing materials from a source other than the pond, the permittee shall submit a report documenting this change.

3. The permittee shall notify the Northeast District Office of Ohio EPA ("NEDO") of any Method 9 evaluation that did not demonstrate compliance with the opacity limitation specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to NEDO within 30 days after the exceedance occurs.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

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

a. Emission Limitation:

No visible emissions from any transfer point on belt conveyors or from any other fugitive source any fugitive emissions which exhibit greater than ten percent (10%), as a six-minute average.

Applicable Compliance Method:

USEPA Method 9 of 40 CFR Part 60, Appendix A

b. Emission Limitation:
No visible emissions from any crusher greater than fifteen percent (15%) opacity, as a six-minute average.

Applicable Compliance Method:

USEPA Method 9 of 40 CFR Part 60, Appendix A

c. Emission Limitation:
No visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the first crusher; and/or screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crushers, grinding mill, or storage bin in the production line.

Applicable Compliance Method:

USEPA Method 22 of 40 CFR Part 60, Appendix A

d. Emission Limitation:
Particulate emissions shall not exceed 32.9 tons per year.

Applicable Compliance Method:
Compliance with the above annual particulate emission limitation shall be determined by use of emission factors found in AP-42 Ch. 11.19.2 (1/95), using a control efficiency of 99% for wet screening/mining operations and 90% for other emission points.

2. This permittee shall conduct, or have conducted, visible emission tests at a minimum annually of this emissions unit in order to demonstrate compliance with the specified allowable visible emission limitation. The visible emission tests shall be conducted in accordance with USEPA's Reference Method 9 of 40 CFR, Part 60, Appendix A.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an Intent to Test notification to NEDO. 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, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in NEDO's refusal to accept the results of the visible emissions test.

Personnel from NEDO shall be permitted to witness the test. The permittee shall acquire data and information regarding the emissions unit operating parameters (including, but not limited to, water flow rates of control system used to control fugitive dust at the facility).

A comprehensive written report on the results of the visible emission test (including opacity readings and the emissions unit operating parameters) shall be signed by the person(s) responsible for the test and submitted to NEDO within 30 days following the completion of the test.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
P901 - 240 ton per hour asphalt batch plant. Dryer equipped with a 100.0 MMBtu/hr Hauck Ecostar low NOx burner.	OAC rule 3745-31-05 (A)(3)	
		OAC rule 3745-17-07(A)(1)
		OAC rule 3745-17-11(B)(1)
		OAC rule 3745-18-06(E)
		OAC rule 3745-21-07(B)
		OAC rule 3745-23-06(B)
		OAC rule 3745-17-07(B)(1)
	40 CFR 60 subpart I	OAC rule 3745-17-08(B)
	OAC rule 3745-35-07(B)	

Applicable Emissions Limitations/Control Measures	
Emissions from the combustion engine shall not exceed the following emissions limitations:	not exceed the following limit, as a 12-month rolling cumulative summation: PE 2.2 tons SO_2 33.4 tons NO_x 16.5 tons CO 78.3 tons OC 21.2 tons
Particulate emissions(PE) 2.6 lbs/hr	See A.2.f below.
Sulfur dioxide (SO_2) 39.3 lbs/hr	See A.2.f below.
Nitrogen oxide (NO_x) 19.4 lbs/hr	See A.2.f below.
Carbon monoxide (CO) 92.1 lbs/hr	See A.2.g below.
Organic compound (OC) 24.9 lbs/hr	See A.2.g below.
The requirements of this rule also include compliance with the requirements of 40 CFR 60 subpart I.	See A.2.h below.
PE: 0.04 gr/dscf	See A.2.i below.
Visible particulate emissions shall not exceed 20% opacity as a 6 minute average.	
This emissions unit shall not operate more than 1,700 hours as a 12-month rolling cumulative summation.	
Emissions from the combustion engine shall	

2. Additional Terms and Conditions

2.a The permittee shall use only natural gas, #2 fuel oil, or 'on-spec' used oil as a fuel in this unit; 'off-spec' used oil (used oil that exceeds any of the limits established inn A.2.b. of these terms and conditions) shall not be used in this unit.

2.b All 'on-spec' used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property	Allowable Specifications
arsenic	5 ppm, maximum
cadmium	2 ppm, maximum
chromium	10 ppm, maximum
lead	100 ppm, maximum
PCB's	2 ppm, maximum
total halogens	4,000 ppm maximum
mercury	1 ppm, maximum
flash point	100°F, minimum
heat content	138,000 Btu/gallon, minimum

2.c If the permittee is burning used oil with any quantifiable level (above 2 ppm) of PCB's, then the permittee is subject to the notification requirements of 40 CFR 279.62.

2.d 'On-spec' waste oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR Part 266.40(c) and OAC rule 3745-58-50. Therefore, the permittee may receive and burn used oil exceeding 1,000 ppm of total halogens (but less than 4,000 ppm, maximum) only if the supplier ["marketer" in 40 Part CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Hazardous Waste Management that the used oil does not contain any hazardous waste.

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

2.g The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) and the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

2.h Visible emissions of fugitive dust from the aggregate storage bin and conveyor loading areas shall not exceed 20% opacity, as a 3-minute average.

2.i The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the aggregate storage bin and conveyor loading areas.

B. Operational Restrictions

1. The pressure drop range across the baghouse shall be determined from the initial compliance stack emission test. Until the initial compliance stack emission test is conducted, however, the pressure drop across the baghouse shall be maintained within the range of 2.0 to 8.0 inches of water while the emissions unit is in operation.

2. The maximum annual operating hours for this emissions unit shall not exceed 1,700 hours, based upon a rolling, 12-month summation of the operating hours.

   To ensure enforceability during the first 12 calendar months of operation, following the issuance of this permit, the permittee shall not exceed the operating hour levels specified in the following table:

Months(s)	Maximum Allowable Cumulative Operating Hours
1	420
1-2	840
1-3	1,260
1-4	1,680
1-5	1,700
1-6	1,700

1-7	1,700
1-8	1,700
1-9	1,700
1-10	1,700
1-11	1,700
1-12	1,700

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual operating hour limitation shall be based upon a rolling, 12-month summation of the operating hours.

3. The permittee may substitute recycled asphalt pavement (RAP) aggregates in the raw material feed.

4. The permittee may burn 'on-spec' used oil or #2 fuel oil with a maximum sulfur content of 0.5% by weight.

C. Monitoring and/or Recordkeeping Requirements

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

   a. The operating hours for each month.

   b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the operating hours.

   Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

2. The permittee shall record the annual 12-month summation of asphalt produced (in tons).

3. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

4. The permittee shall maintain daily records of the percentage of RAP mixed with the raw material feed mix.

5. The permittee shall collect or require the oil supplier to collect a representative grab sample for

each shipment of #2 fuel oil and 'on-spec' used oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analysis for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

6. For each shipment of oil (#2 fuel oil or 'on-spec' used oil) received for burning in this emissions unit, the permittee shall maintain records of the total quantity of each type of oil received and the permittee's or oil supplier's analysis for sulfur content and heat content.

7. The permittee shall receive a chemical analysis with each shipment of 'on-spec' used oil from the supplier or the permittee may perform their own analysis. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number (if available), 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. The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of and 'on-spec' used oil shipment received by this facility, of any 'on-spec' used oil stored at this facility, or of any 'on-spec' used oil sampled at the dryer.

D. Reporting Requirements

4. The permittee shall submit deviation (excursion) reports which identify any exceedence of the above-mentioned allowable pressure drop range.

5. The permittee shall submit deviation (excursion) reports which identify any exceedence of the RAP percent limitation.

6. The permittee shall submit deviation (excursion) reports which identify any exceedence of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedences of the maximum allowable cumulative operating hours levels.

7. The permittee shall submit deviation (excursion) reports which identify any exceedence of the allowable sulfur content (percent).

8. These reports as denoted by terms D.1. - D.4. are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(2).

9. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of 'on-spec' used oil which is received for burning in this emissions unit, or a letter stating no 'on-spec' used oil was received that quarter, as appropriate. The permittee's or oil supplier's analysis shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

   a. the total quantity of oil received in each shipment (gallons);

   b. the weighted* average sulfur dioxide emission rate (pounds/mmBtu) for the oil received during the calendar month; and,

   c. the weighted* average heat content (Btu/gallon) of the oil received during the calendar month.

   *In proportion to the quantity of oil received in each shipment during the calendar month.

   These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.

7. The permittee shall notify the USEPA and the Ohio EPA if any of the 'on-spec' used oil exceeds the 'on-spec' used oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any used oil in exceedence of the limitations established in this permit for 'on-spec' used oil.

E. Testing Requirements

1. Within the first 90 days after issuance of this permit, the permittee shall conduct an initial emissions stack test for particulate, NO_x, OC, CO, and SO_2, while burning 'on-spec' used oil.

2. Emission Limitation:

   0.04 grain of particulate matter per dry standard cubic foot

   Applicable Compliance Method:

   Compliance shall be determined by emission testing as specified in section E.14.

3. Emission Limitation:

2.6 pounds of particulate matter per hour

Applicable Compliance Method:

Compliance shall be determined by emission testing as specified in section E.14.

4. Emission Limitation:

2.2 tons of particulate matter as a rolling 12-month cumulative summation

Applicable Compliance Method:

Compliance shall be determined based upon the following formula:

E = A*B [1 ton / 2,000 lbs]

Where:
E = particulate matter emission rate as a rolling 12-month cumulative summation.
A = emission rate in pounds PE per hour, based upon the most recent performance stack test data.
B = rolling 12-month cumulative summation of operating hours.

5. Emission Limitation:

19.4 pounds of NO_X per hour

Applicable Compliance Method:

Compliance shall be determined by emission testing as specified in section E.14.

6. Emission Limitation:

16.5 tons of NOx as a rolling 12-month cumulative summation

Applicable Compliance Method:

Compliance shall be determined based upon the following formula:

E = A*B [1 ton / 2,000 lbs]

Where:

E = NOx emission rate as a rolling 12-month cumulative summation.
A = emission rate in pounds of NOx per hour, based upon the most recent performance stack test data.
B = rolling 12-month cumulative summation of operating hours.

7. Emission Limitation:

   92.1 pounds of CO per hour

   Applicable Compliance Method:

   Compliance shall be determined by emission testing as specified in section E.14.

8. Emission Limitation:

   78.3 tons of CO as a rolling 12-month cumulative summation

   Applicable Compliance Method:

   Compliance shall be determined based upon the following formula:

   E = A*B [1 ton / 2,000 lbs]

   Where:
   E = CO emission rate as a rolling 12-month cumulative summation.
   A = emission rate in pounds of CO per hour, based upon the most recent performance stack test data.
   B = rolling 12-month cumulative summation of operating hours.

9. Emission Limitation:

   39.3 pounds of SO_2 per hour

   Applicable Compliance Method:

   Compliance shall be determined by emission testing as specified in section E.14.

10. Emission Limitation:

    33.4 tons of SO_2 as a rolling 12-month cumulative summation

    Applicable Compliance Method:

    Compliance shall be determined based upon the following formula:

E = A*B [1 ton / 2,000 lbs]

Where:
E = SO_2 emission rate as a rolling 12-month cumulative summation.
A = emission rate in pounds of SO_2 per hour, based upon the most recent performance stack test data.
B = rolling 12-month cumulative summation of operating hours.

11. Emission Limitation:

24.9 pounds of OC per hour

Applicable Compliance Method:

Compliance shall be determined by emission testing as specified in section E.14.

12. Emission Limitation:

21.2 tons of OC as a rolling 12-month cumulative summation

Applicable Compliance Method:

Compliance shall be determined based upon the following formula:

E = A*B [1 ton / 2,000 lbs]

Where:
E = OC emission rate as a rolling 12-month cumulative summation.
A = emission rate in pounds of OC per hour, based upon the most recent performance stack test data.
B = rolling 12-month cumulative summation of operating hours.

13. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method:

USEPA Method 9 of 40 CFR Part 60, Appendix A

14. The permittee shall conduct an initial emissions stack test following one of the three scenarios:

    a. If the initial test is with virgin materials (i.e., no RAP), the permittee shall for particulate, NOx, VOC, CO, and visible emissions while burning 'on-spec' used oil; and

    b. If at any time in the future, the facility chooses to use RAP, the permittee shall test for VOC while burning 'on-spec' used oil and the maximum quantity of RAP the company wishes to establish; or

    c. If the initial test is with RAP, the permittee shall test for particulate, NOx, VOC, CO, SO2, and visible emissions while burning 'on-spec' used oil and the maximum quantity of RAP the facility wishes to establish as the maximum allowable RAP content.

15. 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 startup of this emissions unit.

    b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates, NO_X, CO, OC, and SO_2.

    c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Particulates	-	Method 5 of 40 CFR Part 60, Appendix A
NO_X	-	Method 7 , 7E of 40 CFR Part 60, Appendix A
CO	-	Method 10 of 40 CFR Part 60, Appendix A
OC	-	Method 18, 25, or 25A of 40 CFR Part 60, Appendix A
SO_2	-	Method 6A of 40 CFR Part 60, Appendix A

    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). 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.

F. Miscellaneous Requirements

1. This PTI replaces PTI number 02-0899 issued for this unit on April 23, 1997.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T002 - 20,000 gallon asphalt storage tank with 1 MMBTU/hr burner	OAC rule 3745-31-05(A)(3)	0.1 ton per year of OC emissions
	OAC rule 3745-21-09(L)	See A.2.a
	40 CFR 60, Subpart Kb	See C.1

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

   In accordance with 40 CFR 60.116b (a) and (b), the owner and operator of the storage vessel (T001) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

D. Reporting Requirements

None

E. Testing Requirements

Emission Limitation:
0.1 ton per year of OC emissions

Applicable Compliance Method:
Compliance with the annual limit of 0.1 ton per year of OC emissions is based upon a one-time calculation using U.S. EPA tanks software program to estimate emissions from a storage tank.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T003 - 30,000 gallon asphalt storage tank, with 1 MMBTU/hr burner	OAC rule 3745-31-05(A)(3)	0.1 ton per year of OC emissions
	OAC rule 3745-21-09(L)	See A.2.a
	40 CFR 60, Subpart Kb	See C.1

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

   In accordance with 40 CFR 60.116b (a) and (b), the owner and operator of the storage vessel (T001) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

D. Reporting Requirements

None

E. Testing Requirements

Emission Limitation:
0.1 ton per year of OC emissions

Applicable Compliance Method:
Compliance with the annual limit of 0.1 ton per year of OC emissions is based upon a one-time calculation using U.S. EPA tanks software program to estimate emissions from a storage tank.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T004 - 30,000 gallon asphalt storage tank, with 1 MMBTU/hr burner	OAC rule 3745-31-05(A)(3)	0.1 ton per year of OC emissions
	OAC rule 3745-21-09(L)	See A.2.a
	40 CFR 60, Subpart Kb	See C.1

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

   In accordance with 40 CFR 60.116b (a) and (b), the owner and operator of the storage vessel (T001) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

D. Reporting Requirements

None

E. Testing Requirements

Emission Limitation:
0.1 ton per year of OC emissions

Applicable Compliance Method:
Compliance with the annual limit of 0.1 ton per year of OC emissions is based upon a one-time calculation using U.S. EPA tanks software program to estimate emissions from a storage tank.

F. Miscellaneous Requirements

None