State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
FRANKLIN COUNTY

Street Address:
122 S. Front Street

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

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

Application No: 01-08327

DATE: 7/17/2001

Shelly Materials Plant 95
Larry Shively
Post Office Box 266 8775 Blackbird Ln
Thornville, OH 43076

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

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.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo

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

CC: **USEPA** **CDO**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 7/17/2001**
Terms and Conditions	**Effective Date: 7/17/2001**

FINAL PERMIT TO INSTALL 01-08327

Application Number:	01-08327
APS Premise Number:	0125042458
Permit Fee:	**$1000**
Name of Facility:	Shelly Materials Plant 95
Person to Contact:	Larry Shively
Address:	Post Office Box 266 8775 Blackbird Ln Thornville, OH 43076

Location of proposed air contaminant source(s) [emissions unit(s)]:
3500 Jackson Pike
Columbus, **Ohio**

Description of proposed emissions unit(s):
300 TPH asphalt drum plant.

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

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 Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

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

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

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

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

7. Air Pollution Nuisance

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

8. 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 application must be made to the Director for the installation or modification of any other emissions unit(s).

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

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This 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 thirty (30) days after commencing operation of the emissions unit(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
PM	6.6
CO	90
SO_2	20
NO_x	20
VOC	10

Emissions Unit ID: **P001**

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
P001 - 300 ton per hour asphalt drum mix plant fired with on-spec used oil, natural gas and #2 fuel oil (modification to PTI 04-647 issued on January 9, 1991).
Aggregate storage bins and cold aggregate elevator.

		OAC rule 3745-31-05 (A)(3)
Applicable Rules/Requirements		
OAC rule 3745-31-05(A)(3)		
		OAC rule 3745-17-08(B)
	OAC rule 3745-31-05(D)	
		OAC rule 3745-17-07(B)
	40 CFR Part 60, Subpart I, section 60.92(a)(1)	
	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(A)(1) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) 40 CFR Part 60, Subpart I, 60.92(a)(2)	

Applicable Emissions Limitations/Control Measures		
Particulate emissions (PE) when burning on-spec used oil, natural gas or number 2 fuel shall not exceed 9.90 lbs/hr and 6.6 tons/yr.	dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.	Visible emissions of fugitive dust shall be less than or equal to 10 percent opacity, as a 3-minute average.
Carbon monoxide (CO) emissions from burning on-spec used oil, natural gas or number 2 fuel shall not exceed 135.00 lbs/hr.	See II.A.2.a, II.A.2.b, II.A.2.d and II.A.2.e below.	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B).
Nitrogen Oxide (NOx) emissions from burning on-spec used oil, natural gas or number 2 fuel shall not exceed 30.00 lbs/hr.	The requirements of this rule also include compliance with OAC rule 3745-31-05(D) and 40 CFR Part 60, Subpart I, section 60.92(a)(1).	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 elevator loading area.
Sulfur Dioxide (SO_2) emissions from burning on-spec used oil, natural gas or number 2 fuel shall not exceed 30.00 lbs/hr.	CO emissions from burning on-spec used oil, natural gas or number 2 fuel shall not exceed 90.0 tons/rolling 12 month period.	The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer.
Volatile Organic Compound (VOC) emissions from burning on-spec used oil, natural gas or number 2 fuel shall not exceed 15.00 lbs/hr and 10.0 tons per rolling 12 month period.	SO_2 emissions from burning on-spec used oil, natural gas or number 2 fuel shall not exceed 20.0 tons/rolling 12 month period.	The emission limitation specified by this rule is less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
Arsenic, cadmium, chromium, and lead emissions are limited by the fuel specifications in A.2.c below.	NO_x emissions from burning on-spec used oil, natural gas or number 2 fuel shall not exceed 20.0 tons/rolling 12 month period.	
Visible particulate emissions from the stack shall not exceed 20% opacity as a three minute average.	See II.B.3 below.	
No visible emissions of fugitive	PE emissions when burning on-spec used oil, natural gas or number 2 fuel shall not exceed 0.04 gr/dscf.	
	The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).	

2. Additional Terms and Conditions

2.a The permittee shall ensure that the baghouse is operated with sufficient air volume to minimize or eliminate visible particulate emissions of fugitive dust at the point of capture to the extent possible with good engineering design.

2.b In accordance with OAC rule 3745-31-05, this emissions unit has been approved for the use of recycled asphalt products (RAP). The permittee shall be restricted to the maximum percentage of RAP as specified in the most recent compliance demonstration utilizing RAP.

2.c All 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
total halogens	4000 ppm, maximum
flash point	100°F, minimum
heat content	135,000 Btu/gallon, minimum
PCB*	<2 ppm, maximum
mercury	1 ppm, maximum

* If the permittee is burning used oil with any quantifiable level (2 ppm) of PCBs, then the permittee is subject to the notification requirements of 40 CFR 279.62.

2.d Used oil containing more than one thousand parts per million (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 3745-279. Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 CFR Part 266.43(a)] has demonstrated to Ohio EPA's Division of Hazardous Waste Management that the used oil does not contain any hazardous waste.

2.e All fuel burned in this emission unit shall have a sulfur content less than 0.5%.

B. Operational Restrictions

1. 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 permittee may not receive or burn any used oil which does not meet the specifications listed in A.2.c of this permit without first obtaining a permit to install that authorizes the burning of such off-specification used oil. The burning of off-specification used oil is subject to OAC rule 3745-279-60 through 67.

3. The maximum annual production rate for this emissions unit shall not exceed 400,000 tons, based upon a rolling, 12-month summation of the production rates. The permittee has existing data on which to base the 12-month summation of the production rates.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:

   a. date of shipment or delivery;

   b. quantity of used oil received;

   c. the Btu value of the used oil;

   d. the flash point of the used oil;

   e. the arsenic content;

   f. the cadmium content;

   g. the chromium content;

   h. the lead content;

   i. the PCB content;

   j. the total halogen content; and

   k. the mercury content.

   Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Ohio EPA Central District Office 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 any used oil shipment received by this facility, of any used oil stored at this facility, or of any used oil sampled at the dryer.

2. 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.

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

   a. the production rate (tons);

   b. the rolling, 12-month summation of the production rates; and

   c. the type and amount (gallons and/or cubic feet) of fuel burned.

4. 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 enclosures for the hot aggregate elevator, vibrating screens, weigh hopper, aggregate storage bins and cold aggregate elevator associated with this emissions unit. The presence or absence of any visible particulate emissions shall be noted in an operations log. If visible particulate 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 abnormal visible emission incident; and

   e. any corrective actions taken to eliminate the abnormal visible emissions.

   The permittee may, upon receipt of written approval from the Ohio EPA, Central District Office, modify the above-mentioned visible particulate emissions check frequency if operating experience indicates that less frequent checks would be sufficient to ensure compliance with the visible particulate emissions requirements.

5. 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 operation log. If visible emissions are observed, the permittee shall also note the following in the operation log:

   a. the color of the emissions;

   b. whether the emissions are representative of normal operation;

   c. if the emissions are not representative of normal operation, the cause of the abnormal emissions;

d. the total duration of any abnormal visible emission incident; and

e. any corrective actions taken to eliminate the abnormal emissions.

The permittee may, upon receipt of written approval from the Ohio EPA Central District Office, modify the above-mentioned visible particulate emissions check frequency if operating experience indicates that less frequent checks would be sufficient to ensure compliance with the visible particulate emissions requirements.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

2. The permittee shall notify the USEPA and the Ohio EPA if any of the used oil exceeds the used oil specifications found in OAC rule 3745-279-11. If the permittee is burning used oil which exceeds the specifications found in OAC rule 3745-279-11, the permittee is subject to that rule and must comply with all provisions of that rule.

3. The permittee shall submit deviation (excursion) reports that identify all exceedances of the rolling, 12-month production rate limitation. These reports are due by the date described in Part 1- General Terms and Conditions of this permit under section (A)(1).

4. The permittee shall submit deviation (excursion) reports to the Central District Office that identify any of the following occurrences:

   a. identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and

   b. describe any corrective actions taken to eliminate the abnormal visible particulate emissions.

   These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

5. The permittee shall submit deviation reports to the Central District Office that identify any of the following occurrences:

   a. identify all days during which any visible fugitive particulate emissions were observed from the enclosures for the hot aggregate elevator, vibrating screens, weigh hopper, aggregate storage bins and cold aggregate elevator associated with this emissions unit; and

b. describe any corrective actions taken to eliminate the abnormal visible particulate emissions.

These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

E. Testing Requirements

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

a. Emissions Limitation:
Particulate (PE) emissions when burning on-spec used oil, natural gas or number 2 fuel shall not exceed 9.90 lbs/hr and 0.04 gr/dscf.

Applicable Compliance Method:
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but no later than 120 days after initial startup of the emissions unit.

ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulate matter.

iii. The following test method(s) shall be employed to demonstrate compliance with allowable mass emission rate(s) for particulates: Method 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

iv. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, burning on-spec oil and using virgin materials, unless otherwise specified or approved by the Central District Office. If required, emission testing will be run when operating with natural gas and/or number 2 fuel.

b. Emission Limitation:
PE emissions from burning on-spec used oil, natural gas or number 2 fuel shall not exceed 6.6 tons per rolling 12 month period.

Applicable Compliance Method
Compliance shall be determined by calculation using the lb PM per ton of asphalt produced, as determined from emission testing, multiplied by the tons of asphalt produced

per rolling 12 month period, divided by 2000 lb/ton.

c. Emission Limitation:
Sulfur dioxide (SO_2) emissions from burning on-spec used oil shall not exceed 30 lbs/hr.

Applicable Compliance Method:
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but no later than 120 days after initial startup of the emissions unit.

ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for SO_2.

iii. The following test method(s) shall be employed to demonstrate compliance with allowable mass emission rates(s) for SO_2: Method 6 of 40 CFR Part 60. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

iv. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, burning on-spec oil and using recycle product, unless otherwise specified or approved by the Central District Office.

d. Emission Limitation:
SO_2 emissions from burning number 2 fuel or natural gas shall not exceed 30 lbs/hr.

Applicable Compliance Method:
Compliance with this emission limitation shall be demonstrated by multiplying the emission factor of 0.10 pounds SO_2 per ton of asphalt (application, 02/21/01) by the maximum capacity of the emission unit (300 tons/hour).

If required, the following test method shall be employed to demonstrate compliance with the allowable mass emission rate for SO_2: Method 6 of 40 CFR Part 60. Alternative EPA approved test methods may be used with prior approval from the Ohio EPA.

e. Emission Limitation:
SO_2 emissions from burning on-spec used oil shall not exceed 20.0 tons per rolling 12 month period.

Applicable Compliance Method:
Compliance with this emission limitation shall be demonstrated by multiplying the lbs SO_2 / ton of asphalt produced, as determined from emissions testing, by the amount of asphalt produced when burning on-spec used oil per rolling 12 month period, divided by 2000 lbs/ton. This figure will be added to the value calculated from burning the other types of fuel.

f. Emission Limitation:
SO_2 emissions from burning natural gas or number 2 fuel shall not exceed 20.0 tons per rolling 12 month period.

Applicable Compliance Method:
Compliance with this emission limitation shall be demonstrated by multiplying the emission factor of 0.10 pounds of SO_2 per ton of asphalt produced (application, 2/21/01) and multiplying by the tons of asphalt produced when burning natural gas and number 2 fuel per rolling 12 month period, divided by 2000 lbs/ton. This figure will be added to the value calculated from burning on-spec used oil.

g. Emissions Limitation*:*
Volatile organic compound (VOC) emissions from burning used oil shall not exceed 15.00 lbs/hour.

Applicable Compliance Method:
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but no later than 120 days after initial startup of the emissions unit.

ii The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC.

iii. The following test method(s) shall be employed to demonstrate compliance with allowable mass emission rate(s) for VOC: Method 25 of 40 CFR Part 60. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

iv The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, burning on-spec oil and using recycle product, unless otherwise specified or approved by the Central District Office.

h. Emissions Limitation*:*
VOC emissions from burning number 2 fuel or natural gas shall not exceed 15.00 lbs/hour.

Applicable Compliance Method:
Compliance with this emission limitation shall be demonstrated by multiplying the emission factor of 0.050 pound per ton of asphalt (application, 02/21/01) by the maximum capacity of the emission unit (300 tons/hour).

If required, the following test method shall be employed to demonstrate compliance with the allowable mass emission rate for VOC: Method 25 of 40 CFR Part 60. Alternative EPA approved test methods may be used with prior approval from the Ohio EPA.

i. Emission Limitation:
VOC emissions from burning on-spec used oil shall not exceed 10.0 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance shall be determined by calculation using the lb VOC/ ton of asphalt produced, as determined from emissions testing, multiplied by the tons of asphalt produced when burning on-spec used oil per rolling 12 month period, divided by 2000 lb/ton.

j. Emission Limitation:
VOC emissions from burning natural gas or number 2 fuel shall not exceed 10.0 tons per rolling 12 month period.

Applicable Compliance Method:
Compliance with this emission limitation shall be demonstrated by multiplying the emission factor of 0.050 pounds of VOC per ton of asphalt produced (application, 2/21/01) and multiplying by the tons of asphalt produced when burning natural gas and number 2 fuel per rolling 12 month period, divided by 2000 lbs/ton. This figure will be added to the value calculated from burning on-spec used oil.

k. Emission Limitation***:***
Carbon monoxide (CO) emissions from burning on-spec used oil and natural gas shall not exceed 135 lbs/hour.

Applicable Compliance Method:
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but no later than 120 days after initial startup of the emissions unit.

ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for CO.

iii. The following test method(s) shall be employed to demonstrate compliance with

allowable mass emission rates(s) for CO: Method 10 of 40 CFR Part 60. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

iv. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, burning on-spec oil, natural gas and using recycle product, unless otherwise specified or approved by the Central District Office.

l. Emission Limitation*:*
Carbon monoxide (CO) emissions from burning number 2 fuel shall not exceed 135 lbs/hour.

Applicable Compliance Method:
Compliance with this emission limitation shall be demonstrated by multiplying the emission factor of 0.45 pounds per ton of asphalt (application, 02/21/01) by the maximum capacity of the emission unit (300 tons/hour).

If required, the following test method shall be employed to demonstrate compliance with the allowable mass emission rate for CO: Method 10 of 40 CFR Part 60. Alternative EPA approved test methods may be used with prior approval from the Ohio EPA.

m. Emission Limitation:
CO emissions from burning on-spec used oil shall not exceed 90 tons per rolling 12 month period.

Applicable Compliance Method:
Compliance shall be determined by calculation using the lb CO/ton of asphalt produced, as determined from emissions testing, multiplied by the tons of asphalt produced when burning on-spec used oil per rolling 12 month period, divided by 2000 lb/ton. This figure will be added to the value calculated from burning the other fuel types.

n. Emission Limitation:
CO emissions from burning number 2 fuel shall not exceed 90 tons per rolling 12 month period.

Applicable Compliance Method:
Compliance with this emission limitation shall be demonstrated by multiplying the emission factor of 0.45 pounds of CO per ton of asphalt produced (application, 2/21/01) and multiplying by the tons of asphalt produced when burning number 2 fuel per rolling 12 month period, divided by 2000 lbs/ton. This figure will be added to the value calculated from burning the other fuel types.

o. Emissions Limitations:
CO emissions from burning natural gas shall not exceed 90 tons per rolling 12 month period.

Applicable Compliance Method:
Compliance with this emissions limitation for CO shall be determined by calculation using the lb CO/ton of asphalt produced, as determined from emissions testing, multiplied by the tons of asphalt produced when burning natural gas per 12 month rolling period, divided by 2000 lb/ton. This figure will be added to the value calculated from burning the other fuel types.

p. Emissions Limitation:
Nitrogen Oxide (NO_x) emissions from burning on-spec used oil and natural gas oil shall not exceed 30 lbs/hr.

Applicable Compliance Method:
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but no later than 120 days after initial startup of the emissions unit.

ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for NO_x.

iii. The following test method(s) shall be employed to demonstrate compliance with allowable mass emission rates(s) for NO_x: Method 7 of 40 CFR Part 60. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

iv. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, burning on-spec used oil and natural gas and using recycle product, unless otherwise specified or approved by the Central District Office.

q. Emission Limitation:
NO_x emissions from burning number 2 fuel shall not exceed 30 lbs/hr.

Applicable Compliance Method:
Compliance with this emission limitation shall be demonstrated by multiplying the emission factor of 0.10 pounds per ton of asphalt (application, 02/21/01) by the maximum capacity of the emission unit (300 tons/hour).

If required, the following test method shall be employed to demonstrate compliance with the allowable mass emission rate for NO_x: Method 7 of 40 CFR Part 60. Alternative EPA approved test methods may be used with prior approval from the Ohio EPA.

r. Emissions Limitation:
NO_x emissions from burning on-spec used oil shall not exceed 20.0 tons per rolling 12 month period.

Applicable Compliance Method:
Compliance shall be determined by calculation using the lb NO_x/ton of asphalt produced, as determined from emissions testing, multiplied by the tons of asphalt produced when burning on-spec used oil per rolling 12 month period, divided by 2000 lbs/ton. This figure will be added to the value calculated from burning the other fuel types.

s. Emissions Limitation:
NO_x emissions from burning number 2 fuel shall not exceed 20.0 tons per rolling 12 month period.

Applicable Compliance Method:
Compliance with the emissions limitation for NOx shall be determined by using the emission factor of 0.10 pounds of NO_x per ton of asphalt produced (application, 2/21/01) and multiplying by the tons of asphalt produced when burning number 2 fuel per rolling 12 month period, divided by 2000 lbs/ton. This figure will be added to the value calculated from burning the other fuel types.

t. Emissions Limitation:
NO_x emissions from burning natural gas shall not exceed 20.0 tons per rolling 12 month period.

Applicable Compliance Method:
Compliance with this emissions limitation for NO_x shall be determined by calculation using the lb NOx /ton of asphalt produced, as determined from emissions testing, multiplied by the tons of asphalt produced from burning natural gas per rolling 12 month period, divided by 2000 lb/ton. This figure will be added to the value calculated from burning the other fuel types.

u. Emissions Limitations:
Arsenic, cadmium, chromium and lead emissions are limited by the fuel specifications in A.2.c.

Applicable Compliance Method:
Compliance with the emissions limitation for arsenic, cadmium and lead shall be demonstrated by the monitoring and recordkeeping in Section C.1. of this permit.

v. Emissions Limitations:
Visible particulate emissions from the stack shall not exceed 20% opacity as a three minute average.

Applicable Compliance Method:
Compliance shall be determined using Method 9 as set forth in 40 CFR Part 60 Appendix A, as such appendix existed on July 1, 1996 and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

w. Emission Limitation:
No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper.

Applicable Compliance Method:
Compliance with the limitations on visible emissions of fugitive dust found in Section A.1 of this permit shall be demonstrated by the monitoring and recordkeeping in Section C.4.

x. Emission Limitation:
Visible emissions of fugitive dust shall not exceed 10% opacity, as a 3-minute average.

Applicable Compliance Method:
Compliance shall be determined using Method 9 as set forth in 40 CFR Part 60 Appendix A, as such appendix existed on July 1, 1996 and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

- Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and dates(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 field office's refusal to accept the results of the emissions test(s).

Personnel from the Ohio EPA, Central District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

A comprehensive written report on the results of the emission test(s) shall be submitted within 30 days following completion of the test(s).

F. Miscellaneous Requirements

1. The following source is subject to the applicable provision of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR part 60.

Source Number	Source Description	NSPS Regulation (Subpart)
P001	300 tph portable asphalt drum mix plant	Subpart I

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

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

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

Reports are to be sent to:

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

and

Central District Office
Division of Air Pollution Control
3232 Alum Creek Drive
Columbus, OH 43207

- Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

- The terms and conditions contained within this PTI for the asphalt plant (P001) shall supersede the terms and conditions previously contained in PTI 04-647 issued on January 9,1991 for emission unit P901 for the asphalt plant.