

**Synthetic Minor Determination and/or**  **Netting Determination**

Permit To Install **06-07058**

**A. Source Description**

Shelly Materials is a permanent hot asphalt batch plant located on State Route 7, north of Gallipolis, Ohio. This source, Plant No. 2, is proposing to use waste 'on-spec' oil as alternative fuel for the asphaltic concrete plant.

**B. Facility Emissions and Attainment Status**

Gallia County is attainment for particulate, sulfur dioxide, carbon monoxide, ozone, lead and oxides of nitrogen. The maximum potential to emit at 8760 hours per year for this emissions unit (P901) is 64.4 TPY NO<sub>x</sub>, 306.6 TPY of CO, 131.01 TPY of SO<sub>2</sub>, 41.4 TPY of PE and 82.78 TPY of OC. This would make the facility a 'major source' requiring a Title V permit and the application to undergo Prevention of Significant Deterioration (PSD) review.

**C. Source Emissions**

Shelly Materials Plant No. 2 will limit the plant's annual production to 400,000 tons per rolling 12-month period. With the proposed production restriction, the total annual emissions will be limited to 10.8 TPY of PE, 80.0 TPY of CO, 16.8 TPY of NO<sub>x</sub>, 34.2 TPY of SO<sub>2</sub> and 21.6 TPY of OC. The PTI requires record keeping to ensure compliance with the production restriction.

**D. Conclusion**

The production restriction required in this permit is sufficient to provide federally enforceable limitations for ensuring that the applicable Title V and PSD thresholds will not be exceeded.



State of Ohio Environmental Protection Agency

Street Address:

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

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

Mailing Address:

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

**RE: DRAFT PERMIT TO INSTALL  
GALLIA COUNTY  
Application No: 06-07058**

**DATE:** 3/11/2003

Shelly Materials Plant 2  
Larry Shively  
PO Box 266 8775 Blackbird Lane  
Thornville, OH 43076

**CERTIFIED MAIL**

	TOXIC REVIEW
	PSD
Y	SYNTHETIC MINOR
	CEMS
	MACT
Subpart I	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the 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 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 may be issued in proposed or 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 a fee of **\$1000** 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, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA

SEDO

KY

WV

**GALLIA COUNTY**

**PUBLIC NOTICE**  
**ISSUANCE OF DRAFT PERMIT TO INSTALL 06-07058 FOR AN AIR CONTAMINANT SOURCE FOR**  
**SHELLY MATERIALS PLANT 2**

On 3/11/2003 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Shelly Materials Plant 2**, located at **1248 SR 7 North, Gallipolis, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 06-07058:

**175 TPH hot mix asphalt batch plant with the capabilities to run used oil number 2 oil and natural gas.**

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.

Fred Klingelhafer, Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138 [(740)385-8501]



**Permit To Install  
Terms and Conditions**

**Issue Date: To be entered upon final issuance  
Effective Date: To be entered upon final issuance**

**DRAFT PERMIT TO INSTALL 06-07058**

Application Number: 06-07058

APS Premise Number: 0627000044

Permit Fee: **To be entered upon final issuance**

Name of Facility: Shelly Materials Plant 2

Person to Contact: Larry Shively

Address: PO Box 266 8775 Blackbird Lane  
Thornville, OH 43076

Location of proposed air contaminant source(s) [emissions unit(s)]:

**1248 SR 7 North  
Gallipolis, Ohio**

Description of proposed emissions unit(s):

**175 TPH hot mix asphalt batch plant with the capabilities to run used oil number 2 oil and natural gas.**

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**

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).

**Issued: To be entered upon final issuance**

- 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**

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	10.8
CO	80.0
Nox	16.8
SO2	34.2
OC	21.6

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

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

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P901 - 175 TPH Hot Mix Asphalt Batch Plant	OAC rule 3745-31-05(A)	Hourly emissions of Carbon Monoxide (CO) from the stack shall not exceed 70.0 pounds.
		Hourly emissions of Nitrogen Oxides (NOx) from the stack shall not exceed 14.7 pounds.
		Hourly emissions of Sulfur Dioxides (SO <sub>2</sub> ) from the stack shall not exceed 29.93 pounds.
		Hourly emissions of Organic Compounds (OC) from the stack shall not exceed 18.9 pounds.
		Hourly Particulate Emissions (PE) from the stack shall not exceed 9.45 pounds.
		No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.
	OAC rule 3745-31-05(D)	The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart I and OAC rule 3745-31-05(D).
		(See Section A.2.b)

		<p>Annual emissions from the stack shall not exceed the following based on a rolling 12- month summation:</p> <p>10.8 TPY PE 80 TPY CO 34.2 TPY SO<sub>2</sub> 16.8 TPY NO<sub>x</sub> 21.6 TPY VOC</p>
	<p>40 CFR Part 60, Subpart I</p>	<p>PE from the stack shall not exceed 0.04 grain/dscf</p> <p>The emissions unit shall not discharge into the atmosphere any stack gases which exhibit 20 percent opacity or greater.</p>
	<p>OAC rule 3745-23-06(B)</p>	<p>See Section A.I.2.a.</p>
	<p>OAC rule 3745-17-07(A)</p>	<p>The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart I.</p>
	<p>OAC rule 3745-17-11(B)</p>	<p>The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
	<p>OAC rule 3745-18-06(E)</p>	<p>The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
<p>aggregate storage bins, cold aggregate elevator</p>	<p>OAC rule 3745-31-05(A)(3)</p>	<p>Visible PE of fugitive dust shall be less than or equal to 20 percent opacity, as a 3-minute average.</p> <p>The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or</p>

eliminate visible emissions of fugitive dust from the elevator loading area.

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.

**2. Additional Terms and Conditions**

- 2.a** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06, by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b** The fabric filter shall be used at all times when the emissions unit is in operation.
- 2.c** 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.

**B. Operational Restrictions**

- 1. To ensure the baghouse is operated according to the manufacturer’s specifications and to maintain compliance with the allowable particulate emission rate, 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 hourly asphalt production rate for emissions unit P901 shall not exceed 175 tons.
- 3. The maximum annual asphalt production rate for emissions unit P901 shall not exceed 400,000 tons per year based upon a rolling, 12-month summation of the production rates. To ensure enforceability during the first 12 calendar months of operation following the startup of the modified emissions unit P901, the permittee shall not exceed the production levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Production (Tons)</u>
1	200,000
1-2	300,000
1-3	400,000
1-4	400,000
1-5	400,000

1-6	400,000
1-7	400,000
1-8	400,000
1-9	400,000
1-10	400,000
1-11	400,000
1-12	400,000

After the first 12 calendar months of operation following the startup of the modified emissions unit P901, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the production rates.

- All recycled, used oil burned in emissions unit P901 shall meet the following specifications:

<u>Contaminant/Property</u>	<u>Allowable Specifications</u>
arsenic	5 ppm, maximum
cadmium	2 ppm, maximum
chromium	10 ppm, maximum
lead	100 ppm, maximum
PCB's	50 ppm, maximum*
total halogens	4000 ppm maximum**
mercury	1 ppm, maximum
flash point	100°F, minimum
heat content	135,000 Btu/gallon, minimum

\* If the permittee is burning used oil with any quantifiable level  $\geq 2$  ppm < 50 ppm of PCB's, then the permittee is subject to any applicable requirements found under 40 CFR part 279, subparts G and H and 40 CFR 761.20 (e).

\*\* Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR 279.10 (b)(1)(ii) and OAC rule 3745-279-10 (B)(1)(b). Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the used oil burner can demonstrate the used oil does not contain any hazardous waste pursuant to OAC rule 3745-279-63.

- The burning of hazardous waste is prohibited without first complying with all applicable state and federal hazardous waste and air regulations and permits.
- The permittee shall only burn low sulfur fuels, containing less than 0.5% sulfur by weight, in this emissions unit.

7. The permittee may substitute recycled asphalt pavement (RAP) aggregates in the raw material feed mix in amounts not to exceed 50% of all aggregate materials introduced, based on a daily average of all aggregate material.

**C. Monitoring and/or Recordkeeping Requirements**

1. 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 once per shift basis.
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for the following:
  - a. The date of shipment or delivery.
  - b. The quantity of oil received.
  - c. The Btu value of the used oil, in BTU/gallon.
  - d. The flash point of the used oil in degrees F.
  - e. The arsenic content, in ppm.
  - f. The cadmium content, in ppm.
  - g. The chromium content, in ppm.
  - h. The lead content, in ppm.
  - i. The PCB content, in ppm.
  - j. The total halogen content, in ppm.
  - k. The mercury content, in ppm.
  - l. The sulfur content, in ppm

A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

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

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

- a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for items a - l above. A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

b. Alternative 2:

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

3. The permittee shall maintain monthly records of the following information for emissions unit P901:
  - a. The monthly asphalt production, in tons.
  - b. For the first 12 calendar months following the startup of the modified emissions unit P901, the cumulative asphalt production calculated by adding the current month's asphalt production to the asphalt production for each calendar month since the startup of the modified emissions unit P901.
  - c. Beginning after the first 12 calendar months following the startup of the modified emissions unit P901, the rolling, 12-month summation of asphalt production calculated by adding the current month's asphalt production to the asphalt production for the preceding eleven calendar months.
4. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack and any fugitive PE from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper associated with this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the location and color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

5. The permittee shall maintain daily records of the following information for emissions unit P901:
  - a. the total asphalt production, in tons
  - b. the hours of actual operation
6. The permittee shall maintain documentation on the sulfur content of all fuels received.
7. The permittee shall maintain daily records of the percentage of RAP mixed with the raw material feed mix; the weight of the RAP shall not exceed the weight of the virgin aggregate.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Term B.1.
2. The permittee shall submit deviation (excursion) reports that identify all exceedances of the rolling, 12-month production rate limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative production levels.
3. The permittee shall submit deviation reports to the Southeast District Office that identify any of the following occurrences:
  - a. identify all days during which any visible fugitive PE were observed from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper associated with this emissions unit; and
  - b. describe any corrective actions taken to eliminate the abnormal visible PE.

These reports shall be submitted to the Southeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

4. The permittee shall submit deviation (excursion) reports that identify all exceedances of the 175 ton per hour production rate limitation.

5. The permittee shall submit deviation (excursion) reports that identify all exceedances of sulfur content fuel restriction described in condition B.6.
6. The permittee shall submit quarterly deviation (excursion) reports which identify any exceedance of the 50 percent RAP content limitation.
7. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
8. 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 and the applicable portions of 40 CFR part 761 and shall also notify Ohio EPA if any used oil exceed the mercury limitation and falls below the heat content limitation listed in term B.4 within thirty days after the exceedance occurs. If the permittee is burning used oil which exceeds the specifications found in OAC rule 3745-279-11 and the applicable portions 40 CFR part 761, the permittee is subject to that rule and must comply with all applicable provisions of that rule(s).
9. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
  - a. Construction date (no later than 30 days after such date);
  - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
  - c. Actual start-up date (within 15 days after such date); and
  - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Southeast District Office of the Ohio EPA  
Division of Air Pollution Control  
2195 Front Street  
Logan, Ohio 43138

## **E. Testing Requirements**

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

a. Emission Limitation:

Hourly PE from the stack shall not exceed 9.45 pounds.

Applicable Emission Limitation

Compliance shall be determined in accordance with Test Methods 1-5 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

b. Emission Limitation:

No visible PE of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

c. Emission Limitation

Annual emission shall not exceed 10.8 TPY of PE from the stack as a rolling 12-month summation.

Applicable Emission Limitation

Compliance shall be determined based upon the following equation:

$$E = EF * AAPR * 0.0005 \text{ ton/lb} = \text{TPY of particulates}$$

Where

EF is based on the most recent stack test required in Section E. 2 in lb/ton, and AAPR is the actual production rate for each 12-month period as monitored and recorded in Section C. 3.

d. Emission Limitation

Hourly emissions of CO from the stack shall not exceed 70.0 pounds

Applicable Compliance Method

Compliance shall be determined in accordance with Test Methods 1-4 and 10 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

e. Emission Limitation

Annual emissions shall not exceed 80 TPY for CO from the stack as a rolling 12-month average

Applicable Compliance Method

Compliance shall be determined based upon the following equation:

$$E = EF * AAPR = \text{TPY of CO}$$

Where

EF is based on the most recent stack test required in Section E. 2 in lb/ton, and AAPR is the actual production rate for each 12-month period as monitored and recorded in Section C. 3.

f. Emission Limitation

Hourly emissions of Sulfur Dioxide (SO<sub>2</sub>) from the stack shall not exceed 29.93 pounds

Applicable Compliance Method

Compliance shall be determined in accordance with Test Methods 1-4 and 6 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

g. Emission Limitation

Annual emissions shall not exceed 34.2 TPY of SO<sub>2</sub> from the stack as a rolling 12-month average.

Applicable Compliance Method

Compliance shall be determined based upon the following equation:

$$E = EF * AAPR = \text{TPY of SO}_2$$

Where

EF is based on the most recent stack test required in Section E. 2 in lb/ton, and AAPR is the actual production rate for each 12-month period as monitored and recorded in Section C. 3.

h. Emission Limitation

Hourly emissions of NO<sub>x</sub> from the stack shall not exceed 14.7 pounds.

Applicable Compliance Method

Compliance shall be determined in accordance with Test Methods 1-4 and 7 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

i. Emission Limitation

Annual emission shall not exceed 16.8 TPY of NO<sub>x</sub> from the stack as a rolling 12-month average.

Applicable Compliance Method

Compliance shall be determined based upon the following equation:

$$E = EF * AAPR = \text{TPY of NO}_x$$

Where

EF is based on the most recent stack test required in Section E. 2 in lb/ton, and AAPR is the actual production rate for each 12-month period as monitored and recorded in Section C. 3.

j. Emission Limitation

Hourly emissions of OC from the stack shall not exceed 18.9 pounds.

Applicable Compliance Method

Compliance shall be determined in accordance with Test Methods 1 - 4 and 25 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

k. Emission Limitation

Annual emissions shall not exceed 21.6 TPY of OC from the stack as a rolling 12-month average.

Applicable Emission Limitation

Compliance shall be determined based upon the following equation:

$$E = EF * AAPR * 0.0005 \text{ ton/lb} = \text{TPY of VOC's}$$

Where

EF is based on the most recent stack test required in Section E. 2 in lb/ton, and AAPR is the actual production rate for each 12-month period as monitored and recorded in Section C. 3.

l. Emission Limitation

Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method

Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources", as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

m. Emission Limitation (aggregate storage bins, cold aggregate elevator):

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

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

n. Operational Limitation

Used Oil Specifications

Applicable Compliance Method

Compliance will be demonstrated by the record keeping in Term C.2.

o. Operational Limitation

The maximum annual asphalt production rate for emissions unit P901 shall not exceed 400,000 tons per year based upon a rolling, 12-month summation of the production rates

Applicable Compliance Method

Compliance shall be demonstrated by the record keeping in Term C.3.

p. Operational Limitation

The maximum hourly asphalt production rate for emissions unit P901 shall not exceed 175 tons

Applicable Compliance Method

Compliance shall be demonstrated by the record keeping in Term C.5.

q. Operation Limitation

The permittee may substitute recycled asphalt pavement (RAP) aggregates in the raw material feed mix in amounts not to exceed 50% of all aggregate materials introduced, based on a daily average of all aggregate material.

Applicable Compliance Method

Compliance shall be demonstrated by the record keeping in Term C.7

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

a. The emission testing shall be conducted within 60 days after startup of the modified emissions unit.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for PE ,CO, NOX, SO2, and VOC's

- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Methods 1-5 and 9 for PE, Method 25 for VOC's, Method 1-4 and 10 for CO, Method 1-4 and 6 for SO<sub>2</sub>, and Method 1-4 and 7 for NO<sub>X</sub>.
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity using worst case fuel, 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. 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.