



State of Ohio Environmental Protection Agency

Street Address:

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

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

RE: **FINAL PERMIT TO INSTALL MODIFICATION CERTIFIED MAIL**

PREBLE COUNTY  
Application No: 08-03000

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
40 CFR Part 60, Sub.1	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 6/5/2001

Shelly Materials Plt 46  
Larry Shively  
PO Box 266  
Thornville, OH 430760266

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

RAPCA



FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 08-03000

Application Number: **08-03000**

APS Premise Number: **0868790177**

Permit Fee: **\$0**

Name of Facility: **Shelly Materials Plt 46 Shively**

Person to Contact: **Larry**

Address: **PO Box 266  
Thornville, OH 430760266**

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

**128 Camden College Corner Rd  
Camden, OHIO**

Description of modification:

**hot mix asphalt batch plant 46;gas-fuel oil dryer.**

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

## **GENERAL PERMIT CONDITIONS**

### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

### **CONSTRUCTION OF NEW SOURCES**

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.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

**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.

**APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

**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.

**SOURCE OPERATION AND OPERATING PERMIT REQUIREMENTS AFTER COMPLETION OF CONSTRUCTION**

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).

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 thirty (30) days after commencing operation of the source(s) covered by this permit.

**SOURCE OPERATION 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 and regulations.

**AIR EMISSION SUMMARY**

The air contaminant emissions units listed below comprise the Permit to Install for **Shelly Materials Plt 46** located in **PREBLE** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P901	Hot Mix Asphalt Batch Plant (Plant # 46) / Natural Gas/#2 Fuel Oil Aggregate Dryer	*	3745-31-05 3745-17-11 3745-17-07 40 CFR Part 60 Subpart I	0.04 gr Part./dscf of Exhaust Gas; 4.49 TPY Particulates; 20% Opacity During Virgin Asphalt & RAP Production; 90 lbs/hr and 48.6 tons/yr CO 27 lbs/hr and 14.58 tons/yr NO <sub>x</sub> 19.8 lbs/hr and 10.69 tons/yr SO <sub>2</sub> 1.85 lbs/hr and 0.99 ton/yr VOC
T001	30,000 Gallon Liquid Asphalt Storage Tank	**	3745-31-05 3745-21-07(D)(2) 40 CFR Part 60 Subpart Kb	0.03 TPY Part.; 1.0 TPY SO <sub>2</sub> ; 0.06 TPY OC; 0.3 TPY NO <sub>x</sub> ; 0.08 TPY CO
T002	10,000 Gallon #2 Fuel Oil Storage Tank	**	3745-31-05 3745-21-07(D)(2)	0.03 TPY OC
F001	Unpaved Plant Roadways and Parking Areas	***	3745-31-05 3745-17-08	Negligible

\*Compliance with specified allowable emission rates achievable through the application of fabric filter

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(baghouse) control; 0.04 gr. particulate/dscf of exhaust gas; <20% opacity visible emissions during production with RAP and virgin asphalt.

\*\*Compliance with specified allowable emission rates; use of submerged fill.

\*\*\*Application of water or other suitable dust suppression chemical approximately 3 times per week to plant unpaved roadways and parking areas during April through October; good housekeeping practices.

### SUMMARY TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulates	4.52
Sulfur Dioxide	11.69
Organic Compounds	1.08
Nitrogen Dioxide	14.88
Carbon Monoxide	48.68

### NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
P901	Natural gas/fuel oil aggregate dryer; asphalt concrete batch plant	40 CFR Part 60 Subpart I
T001	30,000 gallon liquid asphalt storage tank	40 CFR Part 60 Subpart Kb

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

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

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

**Shelly Materials Plt 46**  
**PTI Application: 08-03000**  
**Modification Issued: 6/5/2001**

Facility ID: **0868790177**

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

Regional Air Pollution Control Agency  
451 West Third Street  
Dayton, Ohio 45422

**PERFORMANCE TEST REQUIREMENTS**

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report describing the test procedures followed and the results of such tests shall be submitted and signed by the person responsible for the test. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

- A. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made 30 days in advance and shall specify the source operating parameters, the proposed test procedures, and the time, date, place and person(s) conducting such tests.
- B. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.
- C. Tests shall be performed for the following source(s) and pollutants(s):

**Source**

**Pollutant(s)**

P901

Particulates

**RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

**WASTE DISPOSAL**

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

**MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

**MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the Regional Air Pollution Control Agency, 451 West Third Street, Dayton, Ohio 45422.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

**AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

**NEW SOURCE PERFORMANCE STANDARD SUBPART Kb**

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 following storage vessel(s) shall keep readily accessible records showing the dimension of each storage vessel and an analysis showing the capacity of each storage vessel for the life of each source.

<u>Source Number(s)</u>	<u>Tank Size</u>
T001	30,000 gallons (approx. 114m <sup>3</sup> )

In addition,

In accordance with 40 CFR 60.116b(a) and (d), the owner and operator of the following storage vessel(s) shall notify the local field office within 30 days when the maximum true vapor pressure of the liquid exceeds the

respective maximum true vapor pressure values for each volume range. Records shall be retained for a minimum of two years.

Source Number(s)Tank Size

T001

30,000 gallons  
(approx. 114m<sup>3</sup>)**ADDITIONAL SPECIAL TERMS AND CONDITIONS**1. Particulate Emission Requirements

In accordance with Federal New Source Performance Standards as set forth in 40 CFR Part 60, Subpart I, particulate emissions from this facility (P001) shall not:

- a. exceed 0.04 grain per dry standard cubic foot; or
- b. exhibit 20 percent opacity, or greater.

2. Process Monitoring

This facility shall install, operate, and maintain equipment to continuously monitor and record the pressure drop across the fabric filter (baghouse) emission control device.

3. Fugitive Dust Emissions (F001)

This facility shall employ an aggressive fugitive dust emission control program which includes, but is not limited to, the following:

- a. the application of water suppression, soil stabilization, or other suitable fugitive dust control measures on roadways and parking areas associated with the plant operation. The frequency of any wet suppression application to comply with this requirement shall be at least three times per week during the period April through October; as needed during the period November through March, at each plant location. The frequency of a soil stabilization application to comply with this requirement shall be at least twice annually at each plant location;
- b. speed zones of no more than 10 miles per hour shall be established, posted, and enforced by the owner or operator of all vehicles operating within the facility or facility-controlled access roads;
- c. the tires and bodies of all heavy-duty vehicles shall be washed prior to leaving the facility, if necessary, to prevent the carry-over of dust or mud to public roadways;
- d. the prompt removal of earth and other material from paved streets onto which earth or other material has been deposited by trucking or earth moving equipment or erosion by water or other means; and,
- e. the covering, at all times, of open-bodied vehicles when transporting materials likely to become

airborne.

4. Waste (used) Oils Prohibited

- a. the use of waste oil fuels at this source (P901) is specifically prohibited unless prior authorization is obtained for such use from Ohio EPA through a Permit to Install and subsequent Permit to Operate, required pursuant to OAC Rules 3745-31-02 and 3745-35-02, respectively.
- b. the application of waste oils as a dust suppressant for control of fugitive dust emissions on roadways and parking areas is specifically prohibited.

5. Annual Production Limit

In order to help monitor compliance with the annual allowable emission requirements, this facility (P901) shall not exceed an annual asphaltic concrete production of 243,000 tons/year.

6. Inspection/Maintenance Program for P901

This facility shall initiate an inspection and maintenance program designed to help ensure that the control equipment is operating in accordance with the manufacturer's specifications. Such an I and M program shall outline the specific steps taken and/or the specific items checked on a routine basis to ensure optimum operation of the baghouse adjoining this source. The I and M program shall be in writing and shall be submitted to the Regional Air Pollution Control Agency within 90 days of the issuance of this Permit to Install.