State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL** **CERTIFIED MAIL**
**BUTLER 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: 14-04913**

**DATE: 5/24/00**

Mt Pleasant Blacktopping Company
Lucius Crosby
3199 Production Drive
Fairfield, OH 45014

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** **HCDES**

## FINAL PERMIT TO INSTALL 14-04913

| | |
|---|---|
| Application Number: | 14-04913 |
| APS Premise Number: | 1409030042 |
| Permit Fee: | **$1000** |
| Name of Facility: | Mt Pleasant Blacktopping Company |
| Person to Contact: | Lucius Crosby |
| Address: | 3199 Production Drive<br>Fairfield, OH 45014 |

Location of proposed air contaminant source(s) [emissions unit(s)]:
**3199 Production Drive**
**Fairfield**, **Ohio**

Description of proposed emissions unit(s):
**Asphalt concrete batch 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 are inadequate 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 prove to be inadequate 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 |
|---|---|
| CO | 25.5 |
| NOx | 1.9 |
| SO2 | 0.38 |
| OC | 1.3 |
| PM | 5.3 |
| PM10 | 5.3 |

Emissions Unit ID: **P902**

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

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

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

| Operations, Property, and/or Equipment | Applicable Rules/Requirements |
|---|---|
| P902 - Asphalt batch plant controlled with a fabric filter | OAC rule 3745-17-07 (A) |
| | OAC rule 3745-31-05 (A)(3) |
| | OAC rule 3745-17-07 (B) |
| | OAC rule 3745-17-08(B) |
| | OAC rule 3745-17-11 |
| | 40 CFR Part 60, Subpart I |

| Applicable Emissions Limitations/Control Measures | |
|---|---|
| 7.4 lbs. PM-PM10/hr. from stack emissions<br><br>3.0 lbs. PM-PM10/hr from fugitive emissions<br><br>3.8 TPY PM-PM10 from stack emissions<br><br>1.5 TPY PM-PM10 from fugitive emissions<br><br>51.0 lbs. CO/hr, 25.5 TPY CO<br>3.8 lbs. NOx/hr, 1.9 TPY NOx<br>0.75 lbs. SO2/hr, 0.38 TPY SO2<br>2.6 lbs. OC/hr, 1.3 TPY OC<br><br>See term A.2.b.<br><br>See term B.2.<br><br>0.04 grain PM per dry standard cubic foot of exhaust gases.<br><br>The emissions limitations established by this rule are less stringent than those established by OAC rule 3745-31-05 (A)(3) (BAT).<br><br>Visible particulate emissions of fugitive dust shall not exceed 20 | percent opacity, as a 3-minute average.<br><br>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.<br><br>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.<br><br>The emissions limitations established by this rule are less stringent than those established by OAC rule 3745-31-05 (A)(3) (BAT). |

**2. Additional Terms and Conditions**

**2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the emission limitations, production limitations, use of a fabric filter and compliance with the NSPS rule.

**2.b.** Visible particulate emissions from any stack associated with emissions unit P902 shall be less than or equal to 10% opacity, as a six-minute average, except as provided by rule.

**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.

**2.d.** The hourly emission limitations outlined in term A.1. are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.

**B. Operational Restrictions**

1. The pressure drop across the fabric filter shall be maintained within a range of 2 inches of water to 5 inches of water while the emissions unit is in operation.

2. The maximum annual asphalt production rate for this emissions unit shall not exceed 150,000 tons per year.

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

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fabric filter 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 fabric filter on daily basis.

2. The permittee shall maintain monthly records of the asphalt produced in this emissions unit.

**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 fabric filter did not comply with the allowable range specified in term B.1.

2. The permittee shall submit annual reports that identify any exceedances of the annual asphalt production limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

3. The permittee shall submit annual reports which specify the total CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calender year.

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

5. 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:

   Ohio Environmental Protection Agency
   DAPC - Permit Management Unit
   P.O. Box 163669
   Columbus, OH 43216-3669

   and

   Hamilton County Department of Environmental Services
   250 William Howard Taft Rd
   Cincinnati, OH 45219

## E. Testing Requirements

1. Compliance with the visible particulate emissions limitations in term A.1 and A.2 shall be demonstrated by using Method 9, 40 CFR Part 60 Subpart A.

2. Compliance with the CO, $NO_x$, $SO_2$ and OC emissions limitations will be demonstrated by multiplying the production rate recorded in Term C.2 with the emission factors from AP-42, Table 11.1-2, 11.1-5, 11.1-7 and Table 11.1-8, 1/95):

CO emissions = 0.34 lb/ton produced
$NO_x$ emissions = 0.025 lb/ton produced
$SO_2$ emissions = 0.005 lb/ton produced
OC emissions = 0.017 lb/ton produced

3. Compliance with the annual asphalt production limit in term B.2 shall be demonstrated by the record keeping in term C.2.

4. Compliance with the fabric filter pressure drop limitation in term B.1 shall be demonstrated by the recordkeeping in term C.1.

5. Compliance with the particulate emission limitation will be demonstrated by the performance tests.

**F. Miscellaneous Requirements**

None

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04913 Facility ID: 1409030042

FACILITY NAME Mt Pleasant Blacktopping Company

FACILITY DESCRIPTION Asphalt concrete batch plant CITY/TWP Fairfield

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Emissions Unit ID: **P902**

SIC CODE 1611 SCC CODE 3-05-002-01 EMISSIONS UNIT ID P902

EMISSIONS UNIT DESCRIPTION Asphalt and concrete batch plant w/ rotary dryer

DATE INSTALLED 1990

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

| Pollutants | Air Quality Description | Actual Emissions Rate | | PTI Allowable | |
|---|---|---|---|---|---|
| | | Short Term Rate | Tons Per Year | Short Term Rate | Tons Per Year |
| Particulate Matter | attainment | 6.76 lbs/hr | 2.57 | 10.4 lbs/hr | 5.3 |
| $PM_{10}$ | attainment | 4.3 lbs/hr | 1.97 | 10.4 lbs/hr | 5.3 |
| Sulfur Dioxide | attainment | 0.65 lbs/hr | 0.24 | 0.75 lbs/hr | 0.38 |
| Organic Compounds | non-attainment | 2.21 lbs/hr | 0.82 | 2.6 lbs/hr | 1.3 |
| Nitrogen Oxides | attainment | 3.25 lbs/hr | 1.21 | 3.8 lbs/hr | 1.9 |
| Carbon Monoxide | attainment | 44.2 lbs/hr | 16.5 | 51.0 lbs/hr | 25.5 |
| Lead | | | | | |
| Other: Air Toxics | | | | | |

APPLICABLE FEDERAL RULES:

NSPS? Subpart I NESHAP PSD? OFFSET POLICY?

| WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION? |
|---|
| BAT is satisfied by compliance with emissions limitations, production limitations, use of a fabric filter and compliance with NSPS rule. |

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $-

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaiminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES x NO

IDENTIFY THE AIR CONTAMINANTS: NA