



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION  
BUTLER COUNTY**

**CERTIFIED MAIL**

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: 14-05290**

**Fac ID: 1409030042**

**DATE: 6/6/2006**

Mt Pleasant Blacktop Incorporated  
Ben House  
3199 Production Drive  
Fairfield, OH 45014

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  
309 South Fourth Street, Room 222  
Columbus, Ohio 43215

Sincerely,

*Michael W. Ahern*

Michael W. Ahern, Manager  
Permit Issuance and Data Management Section  
Division of Air Pollution Control

CC: USEPA

HCDES



Permit To Install  
Terms and Conditions

Issue Date: 6/6/2006  
Effective Date: 6/6/2006

**FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-05290**

Application Number: 14-05290  
Facility ID: 1409030042  
Permit Fee: **\$625**  
Name of Facility: Mt Pleasant Blacktop Incorporated  
Person to Contact: Ben House  
Address: 3199 Production Drive  
Fairfield, OH 45014

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

Description of proposed emissions unit(s):  
**Modify emissions limitations based on stack test results.**

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## **Part I - GENERAL TERMS AND CONDITIONS**

### **A. Permit to Install General Terms and Conditions**

#### **1. Compliance Requirements**

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

#### **2. Reporting Requirements**

The permittee shall submit required reports in the following manner:

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

#### **3. Records Retention Requirements**

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

#### **4. Inspections and Information Requests**

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon

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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)**

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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.

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**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 ninety (90) 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**

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|      |      |
|------|------|
| CO   | 30.0 |
| NOx  | 9.0  |
| SO2  | 6.6  |
| OC   | 4.95 |
| PM   | 7.2  |
| PM10 | 7.2  |

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PTI A

Modification Issued: 6/6/2006

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.

| <u>Operations, Property, and/or Equipment</u>                | <u>Applicable Rules/Requirements</u>   |
|--|--|
| P902 - Batch-mix paving plant with RAP system - Modification | <p>OAC rule 3745-31-05 (A)(3)</p> <p>OAC rule 3745-31-05(C)<br/>(Synthetic minor to avoid PSD and Title V permitting)</p> <p>40 CFR Part 60, Subpart I</p> |

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|                         | <u>Applicable Emissions Limitations/Control Measures</u>  |  |
|-------------------------|---|--|
| OAC rule 3745-17-07 (A) | <p>The emissions from this emissions unit shall not exceed the following:</p> <p>7.4 lbs/hr Particulate emissions (PE) and Particulate Matter emissions ten microns and less in diameter (PM10) from stack emissions,</p> | <p>Allowable emissions from the fabric filter stack shall not exceed the following based on rolling, 12-month summations:</p> <p>30.0 TPY CO*;<br/>           9.0 TPY NOx*;<br/>           6.6 TPY SO2*;<br/>           4.95 TPY OC*;<br/>           3.8 TPY PE-PM10* from stack emissions; and<br/>           3.5 TPY PE-PM10* from fugitive emissions.</p>                   |
| OAC rule 3745-17-07 (B) | <p>7.0 lbs/hr Particulate emissions (PE) and Particulate Matter emissions ten microns and less in diameter (PM10) from fugitive emissions,</p>  | <p>See term B.2.</p>   |
| OAC rule 3745-17-08(B)  | <p>60.0 lbs/hr Carbon Monoxide (CO),</p> <p>18.0 lbs/hr Nitrogen oxides (NOx),</p> <p>13.2 lb/hr Sulfur dioxide (SO2),</p> <p>9.9 lbs/hr Organic Compound (OC).</p> <p>See term A.2.b.</p>                                | <p>0.04 grain PM per dry standard cubic foot of exhaust gases.</p> <p>The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).</p> <p>The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).</p> |
| OAC rule 3745-17-11     | <p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart I and OAC rules 3745-17-07(B), 3745-17-08(B) and 3745-31-05(C).</p>   | <p>Visible particulate emissions of fugitive dust shall not exceed 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</p>  |

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minimize or 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.

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

\* based on a rolling, 12-month summation.

**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, based upon a rolling, 12-month summation of the production rates.

The permittee has existing records to demonstrate compliance with this limit upon issuance of this permit

3. The permittee may substitute recycled asphalt aggregates (RAP) in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials introduced at any given time.
4. The permittee shall only employ materials/fuels listed in the air permit to install application. Any changes in the materials employed/combusted may be deemed a "modification" to the emissions unit and, as such will require prior notification to and approval from the Hamilton County Department of Environmental Services.
5. The burning of hazardous waste is prohibited without first complying with all applicable state and federal hazardous waste and air regulations and permits.

**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 following information:
  - a. The asphalt production rate for each month.
  - b. The rolling, 12-month summation of the asphalt production rates.

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- c. The amount of recycle asphalt.
- d. The average percentage of recycle asphalt (c. divided by a. multiplied by 100).

#### **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 deviation reports that identify any exceedances of the rolling, 12-month summation asphalt production limitations and/or the percentage of recycle asphalt (stated in term B.3.), as well as the corrective actions that were taken to achieve compliance.
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 calendar 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

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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 terms A.1 and A.2 shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitation(s) specified in Section A. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

Emissions Limitations:

60.0 lbs/hr and 30.0 TPY CO;

Applicable Compliance Method:

Compliance with the hourly CO emissions limitation shall be demonstrated by multiplying the maximum production rate of 150 tons per hour by the emissions factor of 0.40 lb CO/ton produced from AP-42, Table 11.1-5 when using natural gas (3/04).

Compliance with the annual CO emissions limitation shall be demonstrated by multiplying the rolling 12-month production rate recorded in term C.2 with the emission factor of 0.40 lb CO/ton produced from AP-42, Table 11.1-5 when using natural gas (3/04) and dividing by 2000 lb/ton.

If required, the permittee shall demonstrate compliance with the hourly CO emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1- 4, and 10.

Emissions Limitations:

18.0 lbs/hr and 9.0 TPY NO<sub>x</sub>;

Applicable Compliance Method:

Compliance with the hourly NO<sub>x</sub> emissions limitation shall be demonstrated by multiplying the maximum production rate of 150 tons per hour by the emissions factor of 0.12 lb NO<sub>x</sub>/ton produced from AP-42, Table 11.1-5 when using No. 2 fuel oil (3/04).

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Compliance with the annual NO<sub>x</sub> emissions limitation shall be demonstrated by multiplying the rolling 12-month production rate recorded in term C.2 with the emissions factor from AP-42, Table 11.1-5 when using No. 2 fuel oil (3/04) and dividing by 2000 lb/ton.

If required, the permittee shall demonstrate compliance with the hourly NO<sub>x</sub> emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1- 4, and 7.

Emissions Limitations:  
13.2 lbs/hr and 6.6 TPY SO<sub>2</sub>;

Applicable Compliance Method:

Compliance with the hourly SO<sub>2</sub> emissions limitation shall be demonstrated by multiplying the maximum production rate of 150 tons per hour by the emissions factor of 0.088 lb SO<sub>2</sub>/ton produced from AP-42, Table 11.1-5 when using No. 2 fuel oil (3/04).

Compliance with the SO<sub>2</sub> annual emissions limitations shall be demonstrated by multiplying the rolling 12-month production rate recorded in term C.2 with the emission factor of 0.088 lb SO<sub>2</sub>/ton from AP-42, Table 11.1-5 when using No. 2 fuel oil (3/04) and dividing by 2000 lb/ton.

If required, the permittee shall demonstrate compliance with the hourly SO<sub>2</sub> emissions limitation through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1- 4, and 6.

Emissions Limitations:  
9.9 lbs/hr and 4.95 TPY OC;

Applicable Compliance Method:

Compliance with the annual OC emissions limitation shall be demonstrated by multiplying the rolling 12-month production rate recorded in term C.2 with the OC emissions factor derived from compliance testing performed on this emissions unit on 11/9/05 and certified by the Hamilton County Department of Environmental Services and dividing by 2000 lb/ton. The hourly OC emissions limitation, while burning natural gas, of 9.9 lbs/hr was determined by multiplying the scaled maximum hourly OC emissions rate by 115%.

If required, the permittee shall demonstrate compliance with the hourly OC emissions limitation through emissions tests performed in accordance with 40 CFR

Part 60, Appendix A, Methods 1- 4, and 25 or 25A.

**Emissions Limitations:**

0.04 gr/dscf; 7.4 lbs/hr; and 3.8 TPY PE/PM10

**Applicable Compliance Method:**

If required, the permittee shall demonstrate compliance with the hourly and gr/dscf PE emissions limitations through emissions tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1- 4, and 5.

Compliance with the annual PE/PM10 emissions limitations shall be demonstrated by multiplying the rolling 12-month production rate recorded in term C.2 by the emission factors of 7.4 lb/hr (based on the NSPS limitation of 0.04 gr/dscf) divided by the maximum production rate of 150 tons per hour and divided by 2000 lb/ton. The PM10 emissions rate shall be assumed to be equivalent to the PE rate.

**Emissions Limitations:**

7.0 lbs/hr; and 3.5 TPY Fugitive PE/PM10

**Applicable Compliance Method:**

Compliance with the fugitive PE/PM10 emissions limitations shall be demonstrated by adding calculated fugitive emissions from RACM table 2.18-1 to calculated emissions from RACM table 2.21-1.

Primary fugitive PE/PM10 emissions shall be calculated by multiplying the maximum hourly production rate for the hourly emissions limitation, and the rolling 12-month production rate recorded in term C.2 for the annual emissions limitation, by the fugitive particulate emission factors from RACM Table 2.21-1 and assuming 90% control for wet material.

Secondary fugitive PE/PM10 emissions shall be calculated by multiplying the maximum hourly production rate for the hourly emissions limitation, and the rolling 12-month production rate recorded in term C.2 for the annual emissions limitation, by the fugitive particulate emission factors from RACM Table 2.18-1 for secondary crushing.

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

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**PTI A**

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demonstrated by the recordkeeping in term C.1.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 14-05290 as issued on June 27, 2002.
2. The following terms and conditions of this permit are federally enforceable: A., B., C., D. and E.