



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

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

Lazarus Gov.
Center

**RE: FINAL PERMIT TO INSTALL
FULTON COUNTY**

CERTIFIED MAIL

Application No: 03-13227

DATE: 6/14/00

Miller Bros Paving Inc
Dale Bernath
1613 S Defiance St PO Box 30
Archbold, OH 43502

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 Director's 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

NWDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install
Terms and Conditions**

**Issue Date: June 14, 2000
Effective Date: June 14, 2000**

FINAL PERMIT TO INSTALL 03-13227

Application Number: 03-13227
APS Premise Number: 0326000051
Permit Fee: **\$1400**
Name of Facility: Miller Bros Paving Inc
Person to Contact: Dale Bernath
Address: 1613 S Defiance St PO Box 30
Archbold, OH 43502

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

**23005 Co Rd A
Archbold, Ohio**

Description of proposed emissions unit(s):

200 ton per hour batch mix asphalt plant and modification to roadways and parking areas and storage piles.

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

Miller Bros Paving Inc
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Issued: June 14, 2000

Facility ID: 0326000051

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

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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.

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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

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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> |
|-------------------------------------|----------------------|
| PM-10 | 11.72 |
| Particulate Emissions (Fugitive) | 5.42 |
| Sulfur Dioxide | 39.0 |
| Carbon Monoxide | 68.0 |
| Nitrogen Dioxide | 34.0 |
| OC | 20.0 |

Miller Bros Paving Inc
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Facility ID: 0326000051

Emissions Unit ID: P901

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

| | |
|---|---------------------|
| 200 TPH Batch Asphalt Plant with Baghouse. | OAC rule 3745-31-05 |
|---|---------------------|

40 CFR Part 60, Subpart I

synthetic minor to avoid Title V and
PSD applicability.

3745-17-11 (B)

3745-17-07 (B)

3745-17-08

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Emissions Unit ID: **P901**

| Applicable Emissions Limitations/Control Measures | |
|---|--|
| 11.72 lbs/hr PM-10 11.72 TPY PM-10 | for the fugitive dust emissions from the elevator loading area, and transfer point to the dryer. |
| 39.0 lbs/hr SO ₂ 39.0 TPY SO ₂ | 0.04 gr/dscf of exhaust gas. Emissions from the baghouse stack shall not exhibit 20% opacity, or greater. |
| 68.0 lbs/hr CO 68.0 TPY CO | Production restriction (See B.1.) |
| 34.0 lbs/hr NO _x 34.0 TPY NO _x | (See A.2.a) |
| 20.0 lbs/hr VOC 20.0 TPY VOC | (See A.2.b) NONE (See A.2.c) |
| No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper. | |
| 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. | |
| 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 transfer point to the dryer. | |
| less than or equal to 20 percent opacity as a three minutes average, | |

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2. Additional Terms and Conditions

- 2.a** The emission limitation based on this applicable rule is less stringent than the limitation established pursuant to OAC 3745-31-05.
- 2.b** The emission limitation based on this applicable rule is less stringent than the limitation established pursuant to 40 CFR Part 60, Subpart I.
- 2.c** The Miller Bros. Paving, Inc. Facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B).

B. Operational Restrictions

- 1.** Annual asphalt production from emissions unit P901 shall not exceed 400,000 tons per year, based on a rolling, 12 month summation of the monthly production rates.

To ensure enforceability during the first 12 calendar months of operation, the permittee shall not exceed the production levels specified in the following table:

| <u>Month(s)</u> | <u>Maximum Allowable Cumulative asphalt production (tons)</u> |
|-----------------|---|
| 1 | 100,000 |
| 1-2 | 150,000 |
| 1-3 | 200,000 |
| 1-4 | 250,000 |
| 1-5 | 300,000 |
| 1-6 | 350,000 |
| 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, compliance with the annual production limitation shall be based upon a rolling, 12 month summation of the monthly production rates.

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2. The permittee may substitute recycled asphalt aggregates in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials introduced at any given time.
3. The permittee shall only employ materials/fuels listed in the 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 Ohio EPA, Division of Air Pollution Control, Northwest District Office.
4. The pressure drop across the baghouse shall be maintained within the range of 2 to 7 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain monthly records of asphalt production in tons.
2. Beginning after the first 12 calendar months of operation under the provisions of this permit, the rolling, 12-month summation of the asphalt production. Also, during the first 12 calendar months of operation under the provisions of this permit, the permittee shall record the cumulative asphalt production of each month.
3. 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 manufacturers recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
4. The permittee shall maintain the following records:
 - a. Records showing the breakdown of the amount of each raw material used in each product mix.
 - b. Records showing the type and amount of each fuel combusted.
 - c. Fuel analysis from the supplier of each type of fuel at the site.
 - d. Records showing what types of asphalt are being stored on site, the supplier of the asphalt, and an analysis of each asphalt from the supplier.

D. Reporting Requirements

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1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the dust collectors did not comply with the allowable range specified above.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month asphalt production limitation and for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative asphalt production levels.

E. Testing Requirements

1. Compliance Method Requirements:

- a.** Compliance with the emissions limitation(s) in section A.1. shall be determined in accordance with the following method(s):

- b.** Emission Limitation-
0.04 gr/dscf, 11.72 lbs/hr particulates (equivalent limits)

Applicable Compliance Method-

Compliance shall be determined by testing requirements specified in section E.2.

- c.** Emissions Limitations-
11.72 TPY particulates

Applicable Compliance Method-

Compliance shall be based upon the following formula:

$$\text{Tons per year} = \text{stack test (lbs/hr)} * A * 1 \text{ ton}/2000 \text{ lbs}$$

Where: stack test is the tested maximum pounds per hour, A is equal to the annual production limit of 400,000 tons/yr divided by the maximum hourly production rate of 200 tons/hr.

- d.** Emissions Limitation-
39.0 lbs/hr SO₂

Applicable Compliance Method-

compliance shall be determined by testing requirements specified in section E.2.

- e.** Emissions Limitation-
39.0 tons/yr SO₂

Applicable Compliance Method-
Compliance shall be based upon the following formula:

$$\text{Tons per year} = \text{stack test (lbs/hr)} * A * 1 \text{ ton}/2000 \text{ lbs}$$

Where: stack test is the tested maximum pounds per hour, A is equal to the annual production limit of 400,000 tons/yr divided by the maximum hourly production rate of 200 tons/hr.

- f.** Emissions Limitation-
34.0 lbs/hr NO_x

Applicable Compliance Method-
Compliance shall be determined by testing requirements specified in section E.2.

- g.** Emissions Limitation-
34.0 tons/yr NO_x

Applicable Compliance Method-
Compliance shall be based upon the following formula:

$$\text{Tons per year} = \text{stack test (lbs/hr)} * A * 1 \text{ ton}/2000 \text{ lbs}$$

Where: stack test is the tested maximum pounds per hour, A is equal to the annual production limit of 400,000 tons/yr divided by the maximum hourly production rate of 200 tons/hr.

- h.** Emissions Limitation-
20.0 lbs/hr VOC

Applicable Compliance Method-
Compliance shall be determined by testing requirements specified in section E.2.

- i.** Emissions Limitation-
20.0 tons/yr VOC

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Applicable Compliance Method-
Compliance shall be based upon the following formula:

$$\text{Tons per year} = \text{stack test (lbs/hr)} * A * 1 \text{ ton}/2000 \text{ lbs}$$

Where: stack test is the tested maximum pounds per hour, A is equal to the annual production limit of 400,000 tons/yr divided by the maximum hourly production rate of 200 tons/hr.

- j.** Emissions Limitation-
68.0 lbs/hr CO

Applicable Compliance Method-
Compliance shall be determined by testing requirements specified in section E.2.

- k.** Emissions Limitation-
68.0 tons/yr CO

Applicable Compliance Method-
Compliance shall be based upon the following formula:

$$\text{Tons per year} = \text{stack test (lbs/hr)} * A * 1 \text{ ton}/2000 \text{ lbs}$$

Where: stack test is the tested maximum pounds per hour, A is equal to the annual production limit of 400,000 tons/yr divided by the maximum hourly production rate of 200 tons/hr.

- l.** Emissions Limitation-
20 percent opacity as a 3-minute average

Applicable Compliance Method-
USEPA Reference Method 9 of 40 CFR Part 60, Appendix A.

- m.** Emissions Limitation-
No visible emissions of fugitive dust

Applicable Compliance Method-
USEPA Reference Method 22 of 40 CFR Part 60, Appendix A.

- n.** Emissions Limitation-

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20 percent opacity from the baghouse stack

Applicable Compliance Method-

USEPA Reference Method 9 of 40 CFR Part 60, Appendix A.

2. Performance Testing Requirements:

After installation and within 180 days after achieving the emission units maximum production rate, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for particulates. The particulates test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 5, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity. The company shall demonstrate in the "Intent to Test" what is "Worst Case" for particulate emissions. (e.g. "Virgin aggregate"/slag.) This "Worst Case" scenario shall be pre-approved by the Ohio EPA, Division of Air Pollution Control, Northwest District Office.

After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for sulfur dioxide. The sulfur dioxide test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 6, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity.

After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for organic compounds. The organic compound test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 25 or 25A (as appropriate), of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity. The company shall demonstrate in the "Intent to Test" what is "Worst Case" for VOC emissions. (e.g. maximum allowed RAP/Slag content, highest organic content fuel and asphalt.) This "Worst Case" scenario shall be pre-approved by the Ohio EPA, Division of Air Pollution Control Northwest District Office. After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for the allowable mass emission rate(s) for carbon monoxide. The carbon monoxide test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 10, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity.

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Emissions Unit ID: **P901**

After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for the allowable mass emission rate(s) for nitrogen dioxide. The nitrogen dioxide test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 7, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity.

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

F. Miscellaneous Requirements

1. The emissions limitations established in this permit were based on emissions factors as follows:
 - a. VOC at 20.0 lbs/hr was from a company supplied emission factor.
 - b. Particulate emissions at 11.72 lbs/hr was derived from the dcfm from the plant's baghouse (this is equivalent to 40 CFR Part 60, subpart I limit of 0.04 gr/dscf).
 - c. SO₂ at 39.0 lbs/hr was not based on AP-42 emission factors because these emission factors were based on #6 fuel oil, the company uses #2 oil. The company supplied emission factor used is 0.195 lbs/ton.
 - d. NO_x at 34.0 lbs/hr was based on AP-42 emission factors with emission factor ratings of D (section 11.1 - 5th Edition, 1/95).
 - e. CO at 68.0 lbs/hr was based on AP-42 emission factors with emission ratings of D (section 11.1 - 5th Edition, 1/95).
 - f. Testing will be required to show compliance with these limits. If the results show actual emissions at maximum capacity are higher than the allowable, Ohio EPA will modify this permit to reflect the accurate allowable emissions.

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Emissions Unit ID: **F001**
(Modification)

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]

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> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|---|
| Plant paved and unpaved roadways and parking areas. Modification involves increasing allowable emission limitations due to an increase in facility traffic. | OAC rule 3745-31-05 | 2.49 TPY fugitive PE Their shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period, and no visible particulate emissions from any paved roadway except for a period of time not to exceed 1 minute during any 60-minute observation period. Water spray for dust suppression, 10 MPH speed restriction, record keeping. |
| | OAC rule 3745-17-07 (B) | NONE (See A.2.a) |
| | OAC rule 3745-17-08 (B) | NONE (See A.2.b) |

2. Additional Terms and Conditions

- 2.a The emission limitation based on this applicable rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05.

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Emissions Unit ID: **F001**
 (Modification)

- 2.b** The Miller Bros. Paving, Inc. facility is not located within an "appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B).

B. Operational Restrictions

1. The permittee shall sweep the paved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. The following equipment shall be used to sweep the roadways and parking areas: truck sweeper. The paved surfaces shall be swept, at a minimum, every month. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
 - a. Any material carried off the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, ect., shall be promptly removed and dispersed of properly to minimize or prevent resuspension.
 - b. A maximum speed limit of 10 miles per hour shall be posted and enforced on the property.
 - c. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.
 - d. When a dust suppressant is used for controlling fugitive dust from the unpaved road segments and parking areas, the following restrictions shall be followed:
 - e. Any material carried off the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, ect., shall be promptly removed and disposed of properly to minimize or prevent resuspension.
 - f. A maximum speed limit of 10 miles per hour shall be posted and enforced on the property.
 - g. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.
2. When a dust suppressant is used for controlling fugitive dust from the unpaved road segments and parking areas, the following restrictions shall be followed:
 - a. The permittee shall certify or possess certification that all dust suppressants used to control fugitive dust meet the PCB limitations set forth in 40 CFR 761, and that there are

not listed hazardous wastes or characteristic hazardous wastes as set forth in 40 CFR 261.

- b. The permittee shall not apply used oils as defined by OAC rule 3745-279-01(A)(12) as a dust suppressant.
- c. The dust suppressant shall be applied in such a manner as to prevent pollution of waters of the State as required by the Ohio Revised Code, section 6111.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:
 - a. The date dust suppressants were applied to the unpaved surfaces.
 - b. The portions of unpaved surfaces that were treated with dust suppressants.
 - c. The application rate of water and any chemical additives (gallons of each per square yard).
 - d. The name of the equipment operator responsible for the application of the dust suppressants.
 - e. The permittee shall maintain records which include the following information for the paved roadways and parking areas:
 - i. The date the paved surfaces were swept.
 - ii. The portions of the paved surfaces that were swept.
 - iii. The name of the equipment operator responsible for the sweeping.

D. Reporting Requirements

None

E. Testing Requirements

1. Emission Limitation-
2.49 tons PE/yr

Applicable Compliance Method-

Compliance shall be determined by calculating the emissions from paved and unpaved roadways and parking areas utilizing AP-42 emission factors, sections 13.2.1 (paved roads) and 13.2.2 (unpaved roads), revised 10/97 and 9/98, respectively).

- a. Emissions Limitation-
No visible particulate emissions except for a period of time not to exceed 1 minute during any 60-minute observation period. (paved roadways)

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Facility ID: 0326000051

Emissions Unit ID: **F001**
(Modification)

No visible particulate emissions except for a period of time not to exceed 3 minutes during any 60-minute observation period. (unpaved roadways)

- b. Applicable Compliance Method-
Method 22 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

None.

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Emissions Unit ID: F002 (Modification)

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]

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> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|---|
| Plant aggregate storage piles. Modification involves increasing allowable emission limitations due to an increase in material throughput. | OAC rule 3745-31-05 | 2.93 PTY fugitive PE No visible emissions except for a period <1 min/hr, water spray for dust suppression, minimize drop height. |
| | OAC rule 3745-17-07 (B) | NONE (See A.2.a) |
| | OAC rule 3745-17-08 (B) | None (See A.2.b) |

2. Additional Terms and Conditions

- 2.a The emission limitation based on this applicable rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05.
- 2.b The Miller Bros. Paving, Inc. facility is not located within an "appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B).

B. Operational Restrictions

1. Fugitive emissions resulting from wind disturbance of storage piles and areas around piles shall be minimized or eliminated by one or more of the following methods:
 - a. Maintaining a sufficient moisture level in the stone;

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- b. Use of a suitable dust suppressant;
- c. Use of wind block/screens.

Frequencies for employing these control measures shall be on a daily "as needed" basis, i.e. whenever visible emissions of fugitive dust are observed.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain records which include the following information for the plant storage piles:
 - a. The date dust suppressants were applied to the storage piles.
 - b. The application rate of water and any chemical additives (gallons of each per square yard).
 - c. The name of the equipment operator responsible for the application of the dust suppressants.

D. Reporting Requirements

None.

E. Testing Requirements

- 1. Emission Limitation-
2.93 tons PE/yr

Applicable Compliance Method-

Compliance shall be determined by calculating the emissions from the storage piles from AP-42 emission factors, section 13.2.4. (5th edition - 1-95)

- a. Emissions Limitation-
No visible particulate emissions except for a period of time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method-

Method 22 of 40 CFR Part 60, Appendix A.

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F. Miscellaneous Requirements

None.

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Miller Brothers Paving, Inc.

PTI # 03-13227

Fulton County

0326000266

Please describe any hard copy information is being submitted with this recommendation (Please send hard copy information to Pam McGraner, DAPC Central Office - Air Quality Modeling and Planning):

NONE

Please provide any additional permit specific notes as you deem necessary:

NONE

SYNTHETIC MINOR DETERMINATION

A. EMISSION UNIT DESCRIPTION

This permit to install encompasses the equipment used for a batch mix asphalt plant of 200 tons per hour maximum rated capacity.

B. FACILITY EMISSIONS AND ATTAINMENT STATUS

Fulton county is attainment for all criterial pollutants. This facility has requested a synthetic minor because potential emissions of carbon monoxide exceed 250 TPY, potential emissions of sulfur dioxide, and nitrogen oxide exceed 100 TPY. Federally enforceable restrictions will lower potential emissions of the above mentioned pollutants to less than 100 TPY. These restrictions will keep the company from the requirements of PSD review and Title V.

C. SOURCE EMISSIONS

Miller Brothers, Inc. has requested federally enforceable restrictions of varying monthly production limits and 400,000 production tons for the a annual restriction. This limit will result in permit allowable emissions of 39.00 tons/yr SO2, 68.00 tons/yr CO, 34.00 tons/yr Nox.

D. CONCLUSION

This facility has a restricted permit allowable emission limitation of 39.00 TPY SO2, 68.00 TPY CO, and 34.00 TPY Nox. This permit allowable will not trigger PSD review or Title V.