



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: DRAFT PERMIT TO INSTALL MODIFICATION
DARKE COUNTY
Application No: 08-03265**

CERTIFIED MAIL

DATE: 4/22/2003

Valley Asphalt-Walls Fort Jefferson
Daniel Crago
11641 Mosteller Rd
Cincinnati, OH 452411570

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install modification for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit modification. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit modification should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install modification may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install modification a fee of \$ 0 will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

RAPCA

Miami Valley Regional Planning Commission

IN

DARKE COUNTY

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL 08-03265 FOR AN AIR CONTAMINANT SOURCE FOR
VALLEY ASPHALT-WALLS FORT JEFFERSON

On 4/22/2003 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Valley Asphalt-Walls Fort Jefferson**, located at **3690 Hollansburg-Sampson Rd, Greenville, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 08-03265:

administrative modification to restate allowables due to revised emission factors.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

John Paul, Regional Air Pollution Control Agency, 117 South Main Street, Dayton, OH 45422-1280
[(937)225-4435]



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install
Terms and Conditions**

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

DRAFT MODIFICATION OF PERMIT TO INSTALL 08-03265

Application Number: 08-03265
APS Premise Number: 0819010076
Permit Fee: **To be entered upon final issuance**
Name of Facility: Valley Asphalt-Walls Fort Jefferson
Person to Contact: Daniel Crago
Address: 11641 Mosteller Rd
Cincinnati, OH 452411570

Location of proposed air contaminant source(s) [emissions unit(s)]:
**3690 Hollansburg-Sampson Rd
Greenville, Ohio**

Description of proposed emissions unit(s):
administrative modification to restate allowables due to revised emission factors.

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 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

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lead to such sanctions

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and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete

Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit..

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
particulate matter	4.5
organic compound	9.68
nitrogen oxide	27
sulfur dioxide	19.8
carbon monoxide	90

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

300 tons/hr, Hot Mix Asphalt
Batch Plant; rotary dryer, hot
aggregate elevator, vibrating
screens, and weigh hopper,
controlled with baghouse

OAC rule 3745-31-05(A)(3)

aggregate storage bins and cold
aggregate elevator

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	<u>Applicable Emissions Limitations/Control Measures</u>	
OAC rule 3745-31-05(D)		27 tons/yr nitrogen oxides 19.8 tons/yr sulfur dioxide
OAC rule 3754-35-07(B)	The requirements of this rule also include compliance with the requirements of NSPS 40 CFR Part 60, Subpart I, OAC rule 3745-35-07(B) and OAC rule 3745-31-05(D).	The ton/yr limitations are based upon a rolling 12-month summation Particulate emissions shall not exceed 0.04 grain per dry standard cubic foot of exhaust gases.
NSPS 40 CFR Part 60, Subpart I	120 lbs/hr carbon monoxide; 36 lbs/hr nitrogen oxides; 26.4 lbs/hr sulfur dioxide; 12.90 lbs/hr and 9.68 tons/yr organic compounds; The ton/yr limitation is based upon a rolling 12-month summation.	Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average, from the stack, except as provided by 40 CFR Part 60.11. The emission limitation specified in these rules are less stringent than the emission limitation specified in 40 CFR Part 60, Subpart I.
OAC rule 3745-17-07(A) and 3745-17-11(B)	Visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper shall not exceed 20 percent opacity, as a 3-minute average.	Visible emissions shall not exceed 20 percent opacity, as a 3-minute average, for the fugitive dust emissions.
OAC rule 3745-31-05(A)(3)	The installation and use of adequate enclosures and sufficient draft to minimize or eliminate visible emissions of fugitive dust from 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.
	90.0 tons/yr carbon monoxide 4.5 tons/hr particulate emission The ton/yr limitation is based upon a rolling 12-month summation	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.

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Emissions Unit ID: P901

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2. Additional Terms and Conditions

2.a The 120 lbs/hr of CO, 36 lbs/hr of NOx, 26.4 lb/hr of SO2 and 12.90 lbs/hr of OC emissions limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

2.b This emissions unit has been approved for the use of recycle asphalt products.

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 450,000 tons, based upon a rolling 12-month summation.
2. The pressure drop across the baghouse shall be maintained within the range of 3 to 6 inches of water when the emissions unit is in operation.
3. All recycled, used oil burned in this emissions unit shall meet the following specifications:

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

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

** Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR 279.10(b)(1)(ii) and OAC rule 3745-279- 10(B)(1)(b). Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the used

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oil supplier has demonstrated the used oil does not contain any hazardous waste pursuant to OAC rule 3745-279-63.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. the total quantity of asphalt products produced each month; and
 - b. the rolling, 12-month summation of the monthly production rates.
2. The permittee shall properly, operate, and maintain equipment to monitor the pressure drop across the baghouse when the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
3. The permittee shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:
 - a. The date of shipment or delivery.
 - b. The quantity of used oil received.
 - c. The Btu value of the used oil, in BTU/gallon.
 - d. The flash point of the used oil in degrees F.
 - e. The arsenic content, in ppm.
 - f. The cadmium content, in ppm.
 - g. The chromium content, in ppm.
 - h. The lead content, in ppm.
 - i. The PCB content, in ppm.
 - j. The total halogen content, in ppm.
 - k. The mercury content, in ppm.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Director (the appropriate Ohio EPS District Office or local air agency) upon verbal or written request. The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility, of any used oil stored at this facility, or of any used oil sampled at the dryer.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports to the Director (the appropriate District

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Office or local air agency) which identify all exceedances of the rolling, 12-month production rate limitation. The deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

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2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. The deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.
3. The permittee shall notify the USEPA and the Ohio EPA (appropriate DO or LAA) if any of the used oil exceeds the used oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any used oil.

Before the permittee accepts the first shipment of any off-specification used oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

- a. the company has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and
- b. the company will burn the used oil only in an industrial furnace or boiler identified in 40 CFR Part 266.41(b) and OAC rule 3745-279-42.

A copy of each certification notice that the permittee sends to a marketer must be kept on file for a minimum of 5 years from the date it last received off-specification used oil from that marketer.

4. The permittee shall submit annual reports of the production rate and the total PM, OC, NO_x, SO₂ and CO emissions for this emissions units. These reports shall be submitted by January 31 of each year to the Director (District Office or Local Air Agency).

E. Testing Requirements

1. Compliance Methods

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

- a. Emission Limitation-
0.04 gr/dscf of exhaust gases

Applicable Compliance Method-

If required, compliance shall be based on conducting a stack test in accordance with USEPA Reference Method 5, of 40 CFR Part 60, Appendix A.

Emission Limitation -

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4.5 tons/yr particulate

Applicable Compliance Method -

Compliance shall be determined by multiplying the hourly emission rate in pounds per ton of asphaltic concrete production from the most recent compliance test by each 12-months

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production summation and dividing by 2,000 lbs/ton. Until additional emission tests are conducted, the emission factor of 0.02 lb PM/ton shall be used in this calculation.

- b. Emission Limitation-
120 lbs/hr of CO

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hour by the emission factor of 0.40 lb CO/ton, as specified in USEPA reference document AP-42, 11.1-5 (12/00). If required, compliance shall be based on conducting a stack test in accordance with USEPA Reference Method 10, of 40 CFR Part 60, Appendix A.

Emissions Limitation-
90 tons/yr of CO

Applicable Compliance Method-

Compliance shall be determined by multiplying each 12-months production summation by the emission factor of 0.40 lb CO/ton, as specified in USEPA reference document AP-42, 11.1-5 (12/00), and dividing by 2,000 pounds per ton.

- c. Emission Limitation-
36 lbs/hr of NOx

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hour by the emission factor of 0.12 lb NOx/ton, as specified in USEPA reference document AP-42, 11.1-5 (12/00). If required, compliance shall be based on conducting a stack test in accordance with USEPA Reference Method 7 or 7A (as appropriate), of 40 CFR Part 60, Appendix A.

Emissions Limitation-
27 tons/yr of NOx

Applicable Compliance Method-

Compliance shall be determined by multiplying each 12-months production summation by the emission factor of 0.12 lb NOx/ton, as specified in USEPA reference document AP-42, 11.1-5 (12/00), and dividing by 2,000 pounds per ton.

- d. Emission Limitation-

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26.4 lbs/hr of SO₂

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hour by the emission factor of 0.088 lb SO₂/ton, as specified in USEPA reference

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document AP-42, 11.1-5 (12/00). If required, compliance shall be based on conducting a stack test in accordance with USEPA Reference Method 6 (as appropriate), of 40 CFR Part 60, Appendix A.

Emissions Limitation-
19.8 ton/yr of SO₂

Applicable Compliance Method-

Compliance shall be determined by multiplying each 12-months production summation by the emission factor of 0.088 lb SO₂/ton, as specified in USEPA reference document AP-42, 11.1-5 (12/00), and dividing by 2,000 pounds per ton.

- e. Emission Limitation-
12.90 lbs/hr of OC

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hour by the emission factor of 0.043 lb OC/ton, as specified in USEPA reference document AP-42, 11.1-6 (12/00). If required, compliance shall be based on conducting a stack test in accordance with USEPA Reference Method 25 or 25A (as appropriate), of 40 CFR Part 60, Appendix A.

Emissions Limitation-
9.68 tons/yr of OC

Applicable Compliance Method-

Compliance shall be determined by multiplying each 12-months production summation by the emission factor of 0.043 lb OC/ton, as specified in USEPA reference document AP-42, 11.1-6 (12/00), and dividing by 2,000 pounds per ton.

- f. Emissions Limitation-
20 percent opacity as a 6-minute average, from the stack

Applicable Compliance Method-

Compliance shall be demonstrated through visible emissions observations in accordance with OAC rule 3745-17-03(B)(1).

- g. Emission Limitation-
20 percent opacity as a 3-minute average, from fugitives

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Applicable Compliance Method-

Compliance shall be demonstrated through visible emissions observations in accordance with OAC rule 3745-17-03(B)(3).

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F. Miscellaneous Requirements

1. This modification represents a decrease in annual production from 500,000 tons per year to 450,000 tons per year, and the incorporation of new emission factors. The allowable emission increases (+) and decreases (-) are as follows: PM -48.0 TPY, CO +99.3 lbs/hr and +72.75 TPY, NOx -15.0 lbs/hr and -15.5 TPY, SO2 -45.6 lbs/hr and -40.2 TPY, OC -0.9 lb/hr and -1.82 TPY.