

Facility Name: **American Aggregates Corp-Portable 8s Plant**

Application Number: **08-3889**

Date: **August 19, 1998**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

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

CONSTRUCTION OF NEW SOURCES

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(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 Ohio Administrative Code (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

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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 applicable standards.

PERMIT TO INSTALL FEE

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

PUBLIC DISCLOSURE

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

APPLICABILITY

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

BEST AVAILABLE TECHNOLOGY

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

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule

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3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal & OAC Rules</u> | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|-------------------------------|-------------------------------------|--------------------------|---|--|
|-------------------------------|-------------------------------------|--------------------------|---|--|

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **American Aggregates Corp.-Portable 8s Plant** located in **Montgomery** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

| <u>Ohio EPA Source Number</u> | <u>Source Identification Description</u> | <u>Material Handling Consisting of</u> | <u>BAT Determination</u> |
|-------------------------------|--|---|--------------------------|
| F001 | F003 300 TPH Portable Cone Crusher | 1-300 TPH Feeder, 1-300 TPH 36" Conveyor, 1-300 TPH 30" Conveyor, 1-140 TPH 24" Oversized Stacker, 1-70 TPH 30" 8s Stacker, & 1-90 TPH 30" 7s Stacker | * |
| F002 | F003 (cont) 300 TPH Portable 5'x12' 3-Deck Screen | | * |

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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal & OAC Rules</u> | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal & OAC Rules</u> | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|-------------------------------|---|-------------------------------|--|--|
| | | 40 CFR Part 60 Subpart 000 | | 10% opacity visible emissions |
| | Applicable Federal & <u>OAC Rules</u> | 3745-17-07 | Permit Allowable Mass Emissions and/or Control/Usage <u>Requirements</u> | ** |
| | | 3745-17-08 | | ** |
| 3745-31-05 | | 3745-17-11 | 0.48 lb/hr, 1.68 TPY particulate; | ** |
| | 40 CFR Part 60 Subpart 000 | | | 15% opacity visible emissions |
| | 3745-17-07 | | ** | |
| | 3745-17-08 | | ** | |
| | 3745-17-11 | | ** | |
| | 3745-31-05 | | 2.52 lb/hr, 8.82 TPY particulate | |
| | 40 CFR Part 60 Subpart 000 | | | 10% opacity visible emissions |
| | 3745-17-07 | | ** | |
| | 3745-17-08 | | ** | |
| | 3745-17-11 | | ** | |
| | 3745-31-05 | | 0.17 lb/hr, 0.60 TPY particulate | |

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- * BAT has been determined as continuous compliance with the specified allowable emission rates achievable through wet aggregate resulting from inherent moisture content and application of wet suppression; opacity limit.
- ** The limits based on these rules are less stringent than the limits established by OAC 3745-31-05 and NSPS. OAC rule 3745-17-08 shall only be deemed applicable if this emissions unit is relocated to an Appendix A area.

SUMMARY
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

| <u>Pollutant</u> | <u>Tons/Year</u> |
|------------------|------------------|
| Particulate | 11.1 |

NSPS REQUIREMENTS

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

| <u>Source Number</u> | <u>Source Description</u> | <u>NSPS Regulation (Subpart)</u> |
|----------------------|---------------------------|----------------------------------|
| F001 | Crushing, Screening, | 000 |
| F002 | and material handling | |
| F003 | | |

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

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

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

Reports are to be sent to:

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

and **Regional Air Pollution Control Agency**
451 West Third Street
P O Box 972
Dayton, Ohio 45422

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Regional Air Pollution Control Agency, 451 West Third Street, P O Box 972, Dayton, Ohio 45422.**

AIR POLLUTION NUISANCES PROHIBITED

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

ADDITIONAL SPECIAL TERMS AND CONDITIONS

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A. Potential to Emit

1. The 0.48 lb PM/hr limit was established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with this limit.

B. Operational Restrictions

1. The maximum annual production rate for emissions unit F001 shall not exceed 2,100,000 tons.
2. The maximum annual production rate for emissions unit F002 shall not exceed 2,100,000 tons.
3. The maximum annual production rate for emissions unit F003 shall not exceed 8,400,000 tons.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the production rate for each emissions units F001, F002 and F003.
2. 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 the permit. Such records may be maintained in computerized form.

D. Reporting Requirements

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

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E. Testing Requirements

1. Within 60 days after achieving the maximum production rate at which the facility will be operated, but not later than 180 days after initial startup, this facility shall conduct, or have conducted, an opacity test for F001, F002, and F003 in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in 40 CFR Part 60 subpart OOO [reference section 60.675(D)]. Method 9 is specified with a minimum of 30 sets of 24 consecutive observations recorded at 15-second intervals as described in Method 9 at sections 2.4 and 2.5.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test notification to the Regional Air Pollution Control Agency (RAPCA). The Intent to Test notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in RAPCA's refusal to accept the results of the opacity test(s).

Personnel from RAPCA shall be permitted to witness the test(s). Personnel from this facility shall acquire data and information regarding the source operating parameters (including but not limited to, water flow rates and pressure employed for particulate emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 3-minute averages.

A comprehensive written report on the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to RAPCA within 30 days following completion of the test(s).

2. Compliance with the emission limitations of PTI 08-3839 shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
0.48 lbs/hr particulate

Applicable Compliance Method-

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Compliance shall be determined by multiplying the maximum hourly aggregate production rate of 300 tons/hr by the emission factor of 0.0016 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

- b. Emission Limitation-
1.68 TPY particulate

Applicable Compliance Method-

Compliance shall be based upon recordkeeping in section 6, summing the 12 monthly production records for the calendar year, and then multiplying the sum by the AP-42 emission factor of 0.0016 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 and dividing by 2000 lbs/ton.

- c. Emission Limitation-
15% opacity visible emission

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in 40 CFR 60.575(c) Subpart OOO.

- d. Emission Limitation-
2.52 lbs/hr particulate

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly aggregate production rate of 300 tons/hr by the emission factor of 0.0084 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

- e. Emission Limitation-
8.82 TPY particulate

Applicable Compliance Method-

Compliance shall be based upon recordkeeping in section 6, summing the 12 monthly production records for the calendar year, and then multiplying

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th sum by the AP-42 emission factor of 0.0084 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 and dividing by 2000 lbs/ton.

- f. Emission Limitation-
10% opacity visible emission

Applicable Compliance Method-
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in 40 CFR 60.575(c) Subpart 000.

- g. Emission Limitation-
0.17 lb/hr particulate

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly aggregate production rate, of all feeders, conveyors, and stackers, of 1200 tons/hr by the emission factor of 0.00014 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

- h. Emission Limitation-
0.60 TPY particulate

Applicable Compliance Method-
Compliance shall be based upon recordkeeping in section 6, summing the 12 monthly production records for the calendar year, and then multiplying the sum by the AP-42 emission factor of 0.00014 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 and dividing by 2000 lbs/ton.

- i. Emission Limitation-
10% opacity visible emission

Applicable Compliance Method-

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Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in 40 CFR 60.575(c) Subpart 000.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

a. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- i. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- ii. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to RAPCA and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
- iv. in RAPCA's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

- i. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO, or registration status;

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- ii. the portable emissions unit is equipped with best available technology;
 - iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;
 - iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - v. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - vi. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
 - vii. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.
- c. Any site issued by the Ohio EPA to 4.a or 4.b above, shall be valid for no longer than three years and are subject to renewal.

In order for RAPCA and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate" within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with RAPCA (451 W. Third St., Dayton, OH 45422) and the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, RAPCA and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

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