

Additional Special Terms And Conditions

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

1. Particulate emissions from emissions unit F003 shall not exceed the limits outlined in the Air Emissions Summary page of PTI 14-4659.
2. The hourly emission limitations outlined above 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. Aggregate product loaded onto trucks shall have a moisture content sufficient to minimize visible emissions of fugitive dust and the loading drop height shall not exceed fifteen (15) feet.
2. Water sprays shall be operated at points necessary to ensure compliance with the visible emission limitations specified in the air emission summary for crushing, transfer points, screening and conveying operations.
3. The total amount of aggregate processed by emissions unit F003 shall not exceed 1,000,000 tons per year.

**C. Monitoring and Recordkeeping Requirements**

1. The permittee shall maintain monthly records of the amount of aggregate processed in emissions unit 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, unless otherwise specified in this permit. 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.

**D. Reporting Requirements**

1. The permittee shall submit annual reports that identify any exceedances of the aggregate production rate limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 30 of each year.
2. 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 30, April 30, July 30, and October 30 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.)

## **E. Compliance Methods/Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 90 days after issuance of this permit.
  - b. The emission testing shall be conducted to demonstrate compliance with the opacity limitations.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable opacity limitations: Method 9 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

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

equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

2. Compliance with the production limitations in Section B.3. of these terms and conditions shall be demonstrated by the required records and reports.

**F. Miscellaneous Requirements**

None

Permit Review Narrative  
PTI 14-4659

James Bunnell, Inc.  
5730 State Route 128  
Cleves, Ohio 45002

PN: 1431083231

This permit application is for the existing aggregate processing operation (F003) at James Bunnell, Inc. gravel company. An environmental audit revealed that operations regulated under 40 CFR Part 60, Subpart 000 were present. This constituted a modification under OAC 3745-31, and requires a PTI. Plant roadways and aggregate storage piles are already under permit, and are not covered under this PTI.

Applicable rules:

40 CFR Part 60, Subpart 000 (Nonmetallic mineral processing plants)

OAC 3745-15-07 (Air pollution nuisance prohibited)

OAC 3745-17-07 (Visible particulate emissions limitations)

OAC 3745-17-08 (Fugitive particulate emissions)

OAC 3745-31-05 (BAT requirements)

Emissions summary:

|           |                                       |
|-----------|---------------------------------------|
| Actual    | 4.10 lbs PM/hr, 7.23 tons PM/yr       |
|           | 2.05 lbs PM-10/hr, 3.62 tons PM-10/yr |
| Potential | 14.76 lbs PM/hr, 16.4 tons PM/yr      |
|           | 7.38 lbs PM-10/hr, 8.2 tons PM-10/yr  |

BAT determination:

Maintain aggregate material in moist condition, production limitation, minimize drop height of truck loading and visible emissions limits at specified emission points.

Emissions unit F003 will comply with all applicable rules and emissions limits, therefore approval is recommended. PTI fee is doubled for pre PTI installation.

Permit fee: F003 900,000 lbs/hr \$700 x 2 = **\$1400**

Prepared By: Pete Sturdevant  
Date Prepared: December 29, 1998

James Bunnell, Inc.  
PTI 14-4659

1. BAT will include a production limit of 1,000,000 tons per

year.

2. 441,000 tons per year is used for the actual emissions (125 tons/hr x 3528 hours per year = 441,000). Potential is based on 1,000,000 tons per year.
3. Permit fee is doubled to \$2,000.00.
- 4,5 Letters sent.
6. Maximum hourly is based on 450 tons per hour.