

Facility ID: 0857710044 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0857710044 Emissions Unit ID: F002 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
Mineral Extraction	OAC rule 3745-31-05(A)(3) PTI 08-04489	11.98 tons/yr particulate emissions reasonable available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust visible particulate emissions shall not exceed 20% opacity as a 3-minute average (as recorded during any sixty-minute period)

2. Additional Terms and Conditions

- (a) The annual emission limitation was established 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. The mineral extraction activities that are covered by this permit and subject to the above-mentioned requirements are listed below:
 - overburden and mineral removal
 - drilling
 - overburden replacement

The permittee shall employ best available control measures during overburden and mineral removal, drilling and overburden replacement for the purpose of ensuring compliance with the above mentioned applicable requirements. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by applying water at sufficient frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The above-mentioned control measure(s) shall be employed during overburden and mineral removal, drilling and overburden replacement if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform visible emission inspections of each mineral extraction operation in accordance with the following frequencies:
 - mineral extraction identification minimum inspection frequency
 - Overburden Daily
 - mineral removal Daily
 - reclamation Daily
 - drilling Daily

2. No inspection shall be necessary if any precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for mineral extraction activities. The inspections shall be performed during representative, normal operating conditions.
4. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
5. The permittee shall maintain records of the following information:
 - a. the date and reason any required visible emission inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 5.d. shall be kept separately for overburden and mineral removal/reclamation and blasting and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day, during which any abnormal visible fugitive particulate emissions were observed and;
 - b. any corrective actions taken to eliminate the abnormal visible fugitive particulate emissions.
2. The deviation reports shall be submitted in accordance with the reporting requirements of Section A.2.b. of the General Terms and Conditions of this permit.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirements specify above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance Method

Compliance with the emissions limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

11.98 tons/yr particulate emissions

Applicable Compliance Method:

If necessary compliance with the emission limit can be demonstrated through a one time calculation using the maximum quantity of overburden to be removed and scraper unloading/placement of soil for reclamation and the emission factors found in AP 42, Table 13.2.3-1 for scrapers removing topsoil(1/95) and AP-42, Table 11.9-4. for scrapers unloading topsoil (7/98).

loading Over burden (0.037 lb/ton)(392,920 tons/yr)(ton/2000 lbs) = 7.27 TSP/yr

Unloading Overburden (0.002 lb/ton)(392,920 tons/yr)(ton/2000 lbs) = 0.39 TSP/yr

Drilling (1.3 TSP/hole drilled)(3,000 holes drilled/yr)(ton/2000 lbs) = 1.97 tons TSP/yr

Overburden Replacement (0.012 lb/ton)(392,920 tons/yr)(ton/2000 lbs) = 2.35 tons TSP/yr

Total = 11.98 tons/yr

Emission Limitation:

20% opacity, as a 3 minute average

Applicable Compliance Method:

If necessary compliance with the visible emission limitations for the mineral extraction operations identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) through (B)(3)(b) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. None