

Facility ID: 1413000186 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: 1413000186 Emissions Unit ID: P001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
closed sanitary landfill, with methane gas extraction system and flare	OAC rule 3745-31-05(A)(3) (PTI 14-1920)	See A.2.c.
	OAC rule 3745-17-07(A)(1)	The visible particulate emission (PE) limitation based on this rule is the same as the limitation established pursuant OAC rule 3745-31-05.
	OAC rule 3745-21-07(J)(2)	The control requirements established by this rule are the same as the control requirements established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-76-07	exempt from the requirements of this rule

2. Additional Terms and Conditions

- (a) The emissions from this source shall not exceed the following:
 - PE 0.76 TPY
 - PM-10 0.76 TPY
 - SO2 7.07 TPY
 - NOx 27.3 TPY
 - CO 38.89 TPY
 - VOC 33.85 TPY
 - Visible PE from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
 - Best Available Technology for this source is the following: shrouded flare, 0.6 second retention time of landfill gas in the flare combustion zone, flare temperature at least 1400 degrees Fahrenheit, automatic landfill gas shutoff, automatic flare restart and knockout vessel.

B. Operational Restrictions

1. The flare shall be operated at a temperature of 1400 degrees Fahrenheit or greater.
2. A pilot flame shall be maintained at all times in the flare's pilot light burner.
3. This emissions unit shall be operated in a manner that prevents frequent startups and shutdowns causing the flare to burn for extended periods of time at low temperatures.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain a continuous temperature monitor and recorder to continuously monitor the flare combustion zone operating temperature when the emissions unit is in operation. The monitoring device and any recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
2. The permittee shall record the following information each day:
 - a. All periods during which there was no pilot flame.
 - b. The operating times for the flare, monitoring equipment, and the associated emissions unit.
3. On a monthly basis, the permittee shall perform the following system monitoring to ensure the proper performance of the system:

- a. Measure the percent of methane gas in each well and adjust the extraction system to compensate for the higher and the lower methane producing wells.
- b. Measure the gas flow rate at each well and at various points in the system.
- c. Measure the temperature at various points in the system.
- d. Measure the vacuum at various points in the system to ensure proper vacuum pull across the system.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods during which the pilot flame was not functioning properly and all periods during which the flare temperature fell below 1400 degrees Fahrenheit. The reports shall include the date, time, reason, corrective action taken, and duration of each such period.
2. All quarterly deviation reports shall be submitted in accordance with paragraph 3 of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.2.a of these terms and conditions shall be determined by the use of the emission factors found in AP-42, Fifth Edition (11/98), Chapter 2.4, Landfills.
2. Compliance with the visible PE limitation shall be determined pursuant to the method specified in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None