

Facility ID: 0634000098 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.

- [Go to Part II for Emissions Unit P002](#)
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Facility ID: 0634000098 Emissions Unit ID: P002 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>
Flare for coal mine gas	OAC rule 3745-31-05(A)(3) (PTI #06-06942)	Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY CO: 0.78 lbs/hr, 3.4 TPY OC: 0.3 lb/hour, 1.3 TPY No visible particulate emissions shall be exhausted from the stack.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The permittee shall burn only methane in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than methane, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than methane was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation: Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY

Applicable Compliance Method:

Compliance with the lb/hour NOx emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) NOx emission factor (0.068 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emissions Limitation: Emissions from the stack shall not exceed the following: CO: 0.78 lbs/hr, 3.4 TPY

Applicable Compliance Method:

Compliance with the lb/hour CO emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) CO emission factor (0.37 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: Emissions from the stack shall not exceed the following: OC: 0.3 lb/hour, 1.3 TPY

Applicable Compliance Method:

Compliance with the lb/hour OC emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) OC emission factor (0.14 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: No visible emissions shall be exhausted from the stack.

Applicable Compliance Method:

If required compliance with the visible emissions limitations shall be determined in accordance with Test Method 22 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) (4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0634000098 Emissions Unit ID: P003 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>
Flare for coal mine gas	OAC rule 3745-31-05(A)(3) (PTI #06-06942)	Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY CO: 0.78 lbs/hr, 3.4 TPY OC: 0.3 lb/hour, 1.3 TPY

No visible particulate emissions shall be exhausted from the stack.

2. **Additional Terms and Conditions**

(a) None

B. **Operational Restrictions**

1. The permittee shall burn only methane in this emissions unit.

C. **Monitoring and/or Record Keeping Requirements**

1. For each day during which the permittee burns a fuel other than methane, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than methane was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation: Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY

Applicable Compliance Method:

Compliance with the lb/hour NOx emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) NOx emission factor (0.068 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emissions Limitation: Emissions from the stack shall not exceed the following: CO: 0.78 lbs/hr, 3.4 TPY

Applicable Compliance Method:

Compliance with the lb/hour CO emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) CO emission factor (0.37 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: Emissions from the stack shall not exceed the following: OC: 0.3 lb/hour, 1.3 TPY

Applicable Compliance Method:

Compliance with the lb/hour OC emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) OC emission factor (0.14 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: No visible emissions shall be exhausted from the stack.

Applicable Compliance Method:

If required compliance with the visible emissions limitations shall be determined in accordance with Test Method 22 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)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. **Miscellaneous Requirements**

1. None

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Facility ID: 0634000098 Emissions Unit ID: P004 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>
Flare for coal mine gas	OAC rule 3745-31-05(A)(3) (PTI #06-06942)	Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY CO: 0.78 lbs/hr, 3.4 TPY OC: 0.3 lb/hour, 1.3 TPY No visible particulate emissions shall be exhausted from the stack.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The permittee shall burn only methane in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than methane, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than methane was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation: Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY

Applicable Compliance Method:

Compliance with the lb/hour NOx emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) NOx emission factor (0.068 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emissions Limitation: Emissions from the stack shall not exceed the following: CO: 0.78 lbs/hr, 3.4 TPY

Applicable Compliance Method:

Compliance with the lb/hour CO emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) CO emission factor (0.37 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: Emissions from the stack shall not exceed the following: OC: 0.3 lb/hour, 1.3 TPY

Applicable Compliance Method:

Compliance with the lb/hour OC emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) OC emission factor (0.14 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.
Emission Limitation: No visible emissions shall be exhausted from the stack.

Applicable Compliance Method:

If required compliance with the visible emissions limitations shall be determined in accordance with Test Method 22 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)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 063400098 Emissions Unit ID: P005 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>
Flare for coal mine gas	OAC rule 3745-31-05(A)(3) (PTI #06-06942)	Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY CO: 0.78 lbs/hr, 3.4 TPY OC: 0.3 lb/hour, 1.3 TPY No visible particulate emissions shall be exhausted from the stack.

- 2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

- 1. The permittee shall burn only methane in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

- 1. For each day during which the permittee burns a fuel other than methane, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than methane was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

- 1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation: Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY

Applicable Compliance Method:

Compliance with the lb/hour NOx emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5,

Table 13.5-1 (9/91) NOx emission factor (0.068 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emissions Limitation: Emissions from the stack shall not exceed the following: CO: 0.78 lbs/hr, 3.4 TPY

Applicable Compliance Method:

Compliance with the lb/hour CO emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) CO emission factor (0.37 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: Emissions from the stack shall not exceed the following: OC: 0.3 lb/hour, 1.3 TPY

Applicable Compliance Method:

Compliance with the lb/hour OC emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) OC emission factor (0.14 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: No visible emissions shall be exhausted from the stack.

Applicable Compliance Method:

If required compliance with the visible emissions limitations shall be determined in accordance with Test Method 22 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) (4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0634000098 Emissions Unit ID: P006 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>
Flare for coal mine gas	OAC rule 3745-31-05(A)(3) (PTI #06-06942)	Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY CO: 0.78 lbs/hr, 3.4 TPY

OC: 0.3 lb/hour, 1.3 TPY

No visible particulate emissions shall be exhausted from the stack.

2. **Additional Terms and Conditions**

(a) None

B. **Operational Restrictions**

1. The permittee shall burn only methane in this emissions unit.

C. **Monitoring and/or Record Keeping Requirements**

1. For each day during which the permittee burns a fuel other than methane, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than methane was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation: Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY

Applicable Compliance Method:

Compliance with the lb/hour NOx emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) NOx emission factor (0.068 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emissions Limitation: Emissions from the stack shall not exceed the following: CO: 0.78 lbs/hr, 3.4 TPY

Applicable Compliance Method:

Compliance with the lb/hour CO emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) CO emission factor (0.37 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: Emissions from the stack shall not exceed the following: OC: 0.3 lb/hour, 1.3 TPY

Applicable Compliance Method:

Compliance with the lb/hour OC emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) OC emission factor (0.14 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: No visible emissions shall be exhausted from the stack.

Applicable Compliance Method:

If required compliance with the visible emissions limitations shall be determined in accordance with Test Method 22 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) (4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. **Miscellaneous Requirements**

1. None

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Facility ID: 0634000098 Emissions Unit ID: P007 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>
Flare for coal mine gas	OAC rule 3745-31-05(A)(3) (PTI #06-06942)	Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY CO: 0.78 lbs/hr, 3.4 TPY OC: 0.3 lb/hour, 1.3 TPY No visible particulate emissions shall be exhausted from the stack.

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The permittee shall burn only methane in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than methane, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than methane was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation: Emissions from the stack shall not exceed the following: NOx: 0.15 lbs/hour, 0.7 TPY

Applicable Compliance Method:

Compliance with the lb/hour NOx emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) NOx emission factor (0.068 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emissions Limitation: Emissions from the stack shall not exceed the following: CO: 0.78 lbs/hr, 3.4 TPY

Applicable Compliance Method:

Compliance with the lb/hour CO emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) CO emission factor (0.37 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: Emissions from the stack shall not exceed the following: OC: 0.3 lb/hour, 1.3 TPY

Applicable Compliance Method:

Compliance with the lb/hour OC emissions limitation shall be demonstrated by the use of AP-42, Chapter 13.5, Table 13.5-1 (9/91) OC emission factor (0.14 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (2.10 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be

determined by multiplying the calculated lb/hour emissions by the actual operating hours of the emissions unit during the year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.
Emission Limitation: No visible emissions shall be exhausted from the stack.

Applicable Compliance Method:

If required compliance with the visible emissions limitations shall be determined in accordance with Test Method 22 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) (4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

- 1. None

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

Facility ID: 0634000098 Emissions Unit ID: P009 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>
454 c.i.d., 100 HP coal mine gas fired engine	OAC rule 3745-31-05(A)(3) (PTI #06-06942)	Emissions from the stack shall not exceed the following: NOx: 5.06 lbs/hour, 22.2 TPY OC: 1.83 lb/hour, 8.0 TPY No visible particulate emissions shall be exhausted from the stack.
	OAC rule 3745-17-11(B)(5)(a)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(5) (a), 3745-21-08 and 3745-23-06. Particulate emissions (PE) shall not exceed 0.310 lb/MMBtu of actual heat input (0.39 lb/hour at maximum rated capacity), 1.7 TPY
	OAC rule 3745-17-07 (A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-08 OAC rule 3745-23-06	See section A.I.2.a.
	OAC rule 3745-18-06(B)	Exempt. See section A.I.2.b.

2. Additional Terms and Conditions

- (a) The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.
OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 mmBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-

18-06(G). This emissions unit has a rated heat input of 1.24 MMBtu/hr.

B. Operational Restrictions

1. The permittee shall burn only methane in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than methane, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than methane was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

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

Emissions Limitation: Emissions from the stack shall not exceed the following: NOx: 5.06 lbs/hour, 22.2 TPY

Applicable Compliance Method:

Compliance with the lb/hour NOx emissions limitation shall be demonstrated by the use of AP-42, Chapter 3.2, Table 3.2-2 (7/00) NOx emission factor (4.08 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (1.24 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by 8760 hours per year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Methods 1- 4 and 7. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: Emissions from the stack shall not exceed the following: OC: 1.83 lb/hour, 8.0 TPY

Applicable Compliance Method:

Compliance with the lb/hour OC emissions limitation shall be demonstrated by the use of AP-42, Chapter 3.2, Table 3.2-2 (7/00) OC emission factor (1.47 lb/MMBtu) multiplied by the maximum hourly gas burning capacity of the emission unit (1.24 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be determined by multiplying the calculated lb/hour emissions by 8760 hours per year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Emission Limitation: No visible emissions shall be exhausted from the stack.

Applicable Compliance Method:

If required, compliance with the visible emissions limitations shall be determined in accordance with Test Method 22 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) (4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

Emission Limitations: PE shall not exceed 0.310 lb/MMBtu of actual heat input (0.39 lb/hour at maximum rated capacity), 1.7 TPY

Applicable Compliance Method:

Compliance with the lb/MMBtu PE limitation shall be demonstrated by the use of AP-42, Chapter 3.2, Table 3.2-2 (7/00) PE emission factor (0.310 lb/MMBtu). The equivalent lb/hour value is demonstrated by multiplying this emission factor (0.310 lb/MMBtu) by the maximum hourly gas burning capacity of the emission unit (1.24 MMBtu/hr), provided by the permittee. The annual emissions (TPY) shall be demonstrated by multiplying the calculated lb/hour emissions by 8760 hours per year and dividing by 2000 lb/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-5 and the procedures in OAC rule 3745-17-03 (B)(9). Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

F. Miscellaneous Requirements

1. None