

Facility ID: 0125102034 Issuance type: Title V Final Permit

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 III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. The following insignificant emissions unit is located at this facility:

B005 - 6.5 mmBtu/hr gas-fired boiler.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit, if any. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the SIP-approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21.
2. There are fugitive emissions of VOC from this facility which have been identified in the permit application and which, in aggregate, would constitute a non-insignificant source. These emissions are not currently subject to any applicable requirements, but shall be included in the annual fee emission report.

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b State Only Enforceable Section

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements (as defined in OAC rule 3745-77-01(H)) or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

Z007 - Tank #1;
Z008 - Tank #2;
Z009 - Tank #3;
Z010 - Tank #4;
Z011 - Tank #5; and
Z012 - Tank #6.

- [Go to Part III for Emissions Unit B001](#)
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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0125102034 Emissions Unit ID: B001 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
Dresser Rand Engine, Model TCV-10, 4200HP 2SLB Reciprocating Internal Combustion Engine (RICE)	OAC rule 3745-31-05(A)(3) (PTI 01-3085)	Carbon monoxide (CO) emissions shall not exceed 2.8 gms/HP-hr and 25.93 lbs/hr.
		Nitrogen oxides (NOx) emissions shall not exceed 2.0 gms/HP-hr and 18.52 lbs/hr.
		Volatile organic compound (VOC) emissions shall not exceed .9 gm/HP-hr and 8.33 lbs/hr.
		Organic compound (OC) emissions shall not exceed 79.0 lbs/hr.
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(5)(b)	PE shall not exceed 0.062 lb/million Btu actual heat input.
	OAC rule 3745-18-06(G)	This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A).
	See A.I.2.a below.	
	OAC rule 3745-21-08(B)	See A.I.2.b below.
	40 CFR Part 63, Subpart ZZZZ	Exempt. See A.I.2.c below.

2. Additional Terms and Conditions

- a. [OAC rule 3745-18-06(A)]
- (a) This emissions unit is exempt from OAC rule 3745-18-06(G) during any calendar day in which natural gas is the only fuel burned.
- b. The permittee shall satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology (BAT) requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install. The design of the emissions unit and the technology associated with the current operating practices satisfy the BAT requirements.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- c. [40 CFR 63.6590(b)(3)]
This emissions unit is an existing spark ignition, 2SLB stationary RICE. Therefore, the unit does not have to meet the requirements of 40 CFR Part 63, Subpart ZZZZ, and 40 CFR Part 63, Subpart A,

including the initial notification requirements specified in 40 CFR 63.6645(d).

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II. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

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

(Authority for term: OAC rule 3745-77-07(C)(1))

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IV. Reporting Requirements

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

(Authority for term: OAC rule 3745-77-07(C)(1))

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V. Testing Requirements

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

a. Emission Limitation:

The particulate emissions from the engine's exhaust shall not exceed 0.062 lb/mmBtu of actual heat input.

Applicable Compliance Method:

Compliance shall be based upon an emission factor of 0.0384 lb/mmBtu, as specified in U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, or the most recently revised AP-42 emission factor for uncontrolled particulate emissions from a 2-stroke lean-burn natural gas-fired reciprocating engine. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

b. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

c. Emission Limitations:

CO emissions shall not exceed 2.8 gms/HP-hr and 25.93 lbs/hr.
NOx emissions shall not exceed 2.0 gms/HP-hr and 18.52 lbs/hr.
VOC emissions shall not exceed .9 gm/HP-hr and 8.33 lbs/hr.
OC emissions shall not exceed 79.0 lbs/hr.

Applicable Compliance Method:

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emission testing shall be conducted approximately six months after issuance of the permit and 6 months prior to permit expiration.

ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for CO, NOx, VOC, and OC.

iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): 40 CFR Part 60, Appendix A, Methods 1-4, 7E, 10, and 40 CFR Part 63, Appendix A, Method 320

- iv. 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 Ohio EPA, Central District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Central District Office. 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 Ohio EPA, Central District Office's refusal to accept the results of the emission test(s).

- c. Personnel from the Ohio EPA, Central District Office shall be permitted to witness the test(s), examine the testing 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 Ohio EPA, Central District Office 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 Ohio EPA, Central District Office.

(Authority for term: OAC rule 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0125102034 Emissions Unit ID: B001 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0125102034 Emissions Unit ID: B002 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
Dresser Rand Engine, Model TCV-10, 4200HP 2SLB Reciprocating Internal Combustion Engine (RICE)	OAC rule 3745-31-05(A)(3) (PTI 01-3085)	Carbon monoxide (CO) emissions shall not exceed 2.8 gms/HP-hr and 25.93 lbs/hr.
		Nitrogen oxides (NOx) emissions shall not exceed 2.0 gms/HP-hr and 18.52 lbs/hr.
		Volatile organic compound (VOC) emissions shall not exceed .9 gm/HP-hr and 8.33 lbs/hr.
		Organic compound (OC) emissions shall not exceed 79.0 lbs/hr.
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(5)(b)	PE shall not exceed 0.062 lb/million Btu actual heat input.
	OAC rule 3745-18-06(G)	This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A).
	OAC rule 3745-21-08(B)	See A.I.2.a below.
	40 CFR Part 63, Subpart ZZZZ	See A.I.2.b below. Exempt. See A.I.2.c below.

2. **Additional Terms and Conditions**

- a. [OAC rule 3745-18-06(A)]
- (a) This emissions unit is exempt from OAC rule 3745-18-06(G) during any calendar day in which natural gas is the only fuel burned.
- b. The permittee shall satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology (BAT) requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install. The design of the emissions unit and the technology associated with the current operating practices satisfy the BAT requirements.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- c. [40 CFR 63.6590(b)(3)]
This emissions unit is an existing spark ignition, 2SLB stationary RICE. Therefore, the unit does not have to meet the requirements of 40 CFR Part 63, Subpart ZZZZ, and 40 CFR Part 63, Subpart A, including the initial notification requirements specified in 40 CFR 63.6645(d).

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II. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

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

(Authority for term: OAC rule 3745-77-07(C)(1))

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IV. Reporting Requirements

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

(Authority for term: OAC rule 3745-77-07(C)(1))

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V. Testing Requirements

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

- a. Emission Limitation:
The particulate emissions from the engine's exhaust shall not exceed 0.062 lb/mmBtu of actual heat input.

Applicable Compliance Method:

Compliance shall be based upon an emission factor of 0.0384 lb/mmBtu, as specified in U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, or the most recently revised AP-42 emission factor for uncontrolled particulate emissions from a 2-stroke lean-burn natural gas-fired reciprocating engine. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

- b. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- c. Emission Limitations:
CO emissions shall not exceed 2.8 gms/HP-hr and 25.93 lbs/hr.
NOx emissions shall not exceed 2.0 gms/HP-hr and 18.52 lbs/hr.
VOC emissions shall not exceed .9 gm/HP-hr and 8.33 lbs/hr.
OC emissions shall not exceed 79.0 lbs/hr.

Applicable Compliance Method:

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emission testing shall be conducted approximately six months after issuance of the permit and 6 months prior to permit expiration.

ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for CO, NOx, VOC, and OC.

iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): 40 CFR Part 60, Appendix A, Methods 1-4, 7E, 10, and 40 CFR Part 63, Appendix A, Method 320.

iv. 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 Ohio EPA, Central District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Central District Office. 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 Ohio EPA, Central District Office's refusal to accept the results of the emission test(s).

c. Personnel from the Ohio EPA, Central District Office shall be permitted to witness the test(s), examine the testing 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 Ohio EPA, Central District Office 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 Ohio EPA, Central District Office.

(Authority for term: OAC rule 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0125102034 Emissions Unit ID: B002 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0125102034 Emissions Unit ID: B003 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
Dresser Rand Engine, Model TLAD8, 3200 HP 2SLB Reciprocating Internal Combustion Engine (RICE)	OAC rule 3745-31-05(A)(3) PTI 01-3085	Carbon monoxide (CO) emissions shall not exceed 2.6 gms/HP-hr and 18.33 lbs/hr.
		Nitrogen oxides (NOx) emissions shall not exceed 2.0 gms/HP-hr and 14.11 lbs/hr.
		Volatile organic compound (VOC) emissions shall not exceed .8 gm/HP-hr and 5.64 lbs/hr.
		Organic compound (OC) emissions shall not exceed 53.0 lbs/hr.
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(5)(b)	PE shall not exceed 0.062 lb/million Btu actual heat input.
	OAC rule 3745-18-06(G)	This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A).
		See A.I.2.a below.
	OAC rule 3745-21-08(B)	See A.I.2.b below.
	40 CFR Part 63, Subpart ZZZZ	Exempt. See A.I.2.c below.

- 2. **Additional Terms and Conditions**

- a. [OAC rule 3745-18-06(A)]
- (a) This emissions unit is exempt from OAC rule 3745-18-06(G) during any calendar day in which natural gas is the only fuel burned.
- b. The permittee shall satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology (BAT) requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install. The design of the emissions unit and the technology associated with the current operating practices satisfy the BAT requirements.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- c. [40 CFR 63.6590(b)(3)]
This emissions unit is an existing spark ignition, 2SLB stationary RICE. Therefore, the unit does not have to meet the requirements of 40 CFR Part 63, Subpart ZZZZ, and 40 CFR Part 63, Subpart A, including the initial notification requirements specified in 40 CFR 63.6645(d).

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II. Operational Restrictions

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

(Authority for term: OAC rule 3745-77-07(A)(1))

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III. Monitoring and/or Record Keeping Requirements

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

(Authority for term: OAC rule 3745-77-07(C)(1))

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IV. Reporting Requirements

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

(Authority for term: OAC rule 3745-77-07(C)(1))

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V. Testing Requirements

- 1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
The particulate emissions from the engine's exhaust shall not exceed 0.062 lb/mmBtu of actual heat input.

Applicable Compliance Method:
Compliance shall be based upon an emission factor of 0.0384 lb/mmBtu, as specified in U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, or the most recently revised AP-42 emission factor for uncontrolled particulate emissions from a 2-stroke lean-burn natural gas-fired reciprocating engine. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B) (10).
 - b. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- c. Emission Limitations:
 Carbon monoxide (CO) emissions shall not exceed 2.6 gms/HP-hr and 18.33 lbs/hr.
 Nitrogen oxides (NOx) emissions shall not exceed 2.0 gms/HP-hr and 14.11 lbs/hr.
 Volatile organic compound (VOC) emissions shall not exceed .8 gm/HP-hr and 5.64 lbs/hr.
 Organic compound (OC) emissions shall not exceed 53.0 lbs/hr.

 Applicable Compliance Method:
 The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - i. The emission testing shall be conducted approximately six months after issuance of the permit and 6 months prior to permit expiration.
 - ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for CO, NOx, VOC, and OC.
 - iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): 40 CFR Part 60, Appendix A, Methods 1-4, 7E, 10, and 40 CFR Part 63, Appendix A, Method 320.
 - iv. 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 Ohio EPA, Central District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Central District Office. 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 Ohio EPA, Central District Office's refusal to accept the results of the emission test(s).

- c. Personnel from the Ohio EPA, Central District Office shall be permitted to witness the test(s), examine the testing 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 Ohio EPA, Central District Office 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 Ohio EPA, Central District Office.

(Authority for term: OAC rule 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0125102034 Emissions Unit ID: B003 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
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2. **Additional Terms and Conditions**

- 1. None

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0125102034 Emissions Unit ID: B004 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
Caterpillar Auxiliary Generator, Model 3508 SI, 551 HP (Generator #1)	OAC rule 3745-31-05(A)(3) (PTI 01-3085)	Carbon monoxide (CO) emissions shall not exceed 1.57 lbs/hr.
		Nitrogen oxides (NOx) emissions shall not exceed 3.43 lbs/hr.
		Volatile organic compound (VOC) emissions shall not exceed .87 lb/hr.
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-06	This emissions unit is exempt from this requirement pursuant to OAC rule 3745-18-06(A).

OAC rule 3745-21-08(B)
OAC rule 3745-17-11(B)(5)(b)

See A.I.2.a below.
See A.I.2.b below.
PE shall not exceed 0.062 lb/million Btu actual heat input.

2. **Additional Terms and Conditions**

- a. [OAC rule 3745-18-06(A)]
- (a) This emissions unit is exempt from OAC rule 3745-18-06(G) during any calendar day in which natural gas is the only fuel burned.
- b. The permittee shall satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology (BAT) requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install. The design of the emissions unit and the technology associated with the current operating practices satisfy the BAT requirements.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

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II. **Operational Restrictions**

1. The permittee shall burn only natural gas in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1))

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

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

(Authority for term: OAC rule 3745-77-07(C)(1))

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IV. **Reporting Requirements**

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

(Authority for term: OAC rule 3745-77-07(C)(1))

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V. **Testing Requirements**

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

- a. Emission Limitation:
The particulate emissions from the engine's exhaust shall not exceed 0.062 lb/mmBtu of actual heat input.

Applicable Compliance Method:

Compliance shall be based upon an emission factor of 0.0384 lb/mmBtu, as specified in U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, or the most recently revised AP-42 emission factor for uncontrolled particulate emissions from a 2-stroke lean-burn natural gas-fired reciprocating engine. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B) (10).

- b. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- c. Emission Limitations:
CO emissions shall not exceed 1.57 lbs/hr.
NOx emissions shall not exceed 3.43 lbs/hr.
VOC emissions shall not exceed .87 lb/hr.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with these emission limitations in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, 7E, 10, and 18.

(Authority for term: OAC rule 3745-77-07(C)(1))

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0125102034 Emissions Unit ID: B004 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

1. None