

Facility ID: 0448010404 Issuance type: Title V Draft 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 units are located at this facility

P003- aluminum die casting;
P007 - electric aluminum melt and hold furnaces (PTI 04-140);and
T002 - #2 fuel oil storage tank (PTI 04-670).

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. 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.

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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:

F002 - aluminum dross storage;
P009 - wood shop;
Z088 - mesh belt #2;
Z089 - mesh belt #1;
Z107 - chip storage salvage - aluminum;
Z108 - chip salvage - steel;
Z109 - chip salvage - cast iron;
Z115 - storage tank #2;
Z117 - storage tank #4;
Z120 - storage tank #7;
Z121 - storage tank #8;
Z122 - storage tank #9;
Z123 - storage tank #10;
Z124 - storage tank #11;
Z125 - storage tank #12;
Z126 - storage tank #13;
Z127 - storage tank #14;
Z128 - storage tank #15;
Z129 - storage tank #16;
Z130 - storage tank #17;
Z131 - storage tank #18;
Z132 - storage tank #19;
Z133 - storage tank #20;
Z134 - storage tank #21;
Z135 - storage tank #22;
Z136 - storage tank #23;
Z137 - storage tank #24;
Z139 - storage tank #26;
Z142 - storage tank #29;
Z143 - storage tank #30;
Z144 - storage tank #31;
Z145 - storage tank #32;
Z146 - storage tank #33;
Z147 - storage tank #34;
Z148 - storage tank #35;
Z155 - storage tank #42;
Z174 - induction hardening - Reaction Internal Gear;

Z175 - induction hardening - Reaction Carrier Shaft;
Z176 - induction hardening - Output Shaft;
Z222 - diesel firefighting water pump #1;
Z224 - machining Case line 1;
Z225 - machining Case Line 2;
Z226 - machining Case Line 3;
Z039 - machining Input Carrier;
Z040 - machining Input Housing;
Z059 - machining Pump Cover;
Z060 - machining Reaction Carrier;
Z074 - machining Stator Shaft;
Z077 - machining Valve Body;
Z250 - storage Tank #36;
Z251 - induction hardening Turbine Shaft;
Z252 - maintenance painting;
Z253 - ultrasonic tester;
Z254 - Gasoline GDF with 500-gal. AST;
Z255 - Diesel GDF with 500-gal. AST;
P011 - diesel-fired air compressor #1;
P012 - diesel-fired air compressor #2;
P013 - diesel-fired air compressor #3; and
P014 - diesel-fired air compressor #4.
P015 - NE diesel-fired firefighting water pump

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0448010404 Emissions Unit ID: B001 Issuance type: Title V Draft 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>
70 mmBtu/hr boiler fired with natural gas and #2 fuel oil	OAC rule 3745-17-07(A)	See section A.1.2.a below.
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per million Btu of actual heat input
	OAC rule 3745-18-54(Y)	1.0 pound of sulfur dioxide per million Btu of actual heat input when burning #2 fuel oil

2. Additional Terms and Conditions

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

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II. Operational Restrictions

1. The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.
[Authority for term: OAC rule 3745-77-07(A)(1)]
2. The quality of the oil burned in this emissions unit shall meet on an "as received" basis a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.0 pound of sulfur dioxide per million Btu actual heat input.
[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 and/or #2 fuel oil, 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)]
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for heat content and sulfur content and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.
[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permittee shall perform or require the supplier to perform the analyses for heat content and sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

[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 and/or #2 fuel oil was burned in this emissions unit.

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

2. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

- a. the total quantity of oil received in each shipment (gallons); and
- b. the calculated sulfur dioxide emission rate (pound/mmBtu) for each shipment of oil received.

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

3. The deviation reports and oil analysis reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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

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V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-17-03(B)(1).

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

- b. Emission Limitation:

0.020 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

For natural gas, the permittee may divide the AP-42 (Table 1.4-2, dated 7/98) particulate emission factor of 1.9 pounds of particulate emissions per million cubic feet of natural gas by an average natural gas higher heating value of 1020 Btu per standard cubic foot natural gas.

For #2 fuel oil, the permittee may divide the AP-42 (Table 1.3-1, dated 9/98) particulate emission factor of 2 pounds per thousand gallons by the #2 fuel oil higher heating value of 140 mmBtu per thousand gallons.

If required, the permittee shall demonstrate compliance using the methods and procedures provided in OAC rule 3745-17-03(B)(9).

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

- c. Emission Limitation:

1.0 pound of sulfur dioxide per million Btu of actual heat input when burning #2 fuel oil

Applicable Compliance Method:

Compliance with this specification shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil, using the equation in OAC rule 3745-18-04(F)(2).

If required, the permittee shall demonstrate compliance using the methods and procedures provided in OAC rule 3745-18-04(A).

[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: 0448010404 Emissions Unit ID: B001 Issuance type: Title V Draft 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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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0448010404 Emissions Unit ID: B002 Issuance type: Title V Draft 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>
70 mmBtu/hr boiler fired with natural gas and #2 fuel oil	OAC rule 3745-17-07(A)	See section A.I.2.a below.
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per million Btu of actual heat input
	OAC rule 3745-18-54(Y)	1.0 pound of sulfur dioxide per million Btu of actual heat input when burning #2 fuel oil

2. Additional Terms and Conditions

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

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II. Operational Restrictions

1. The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.
[Authority for term: OAC rule 3745-77-07(A)(1)]
2. The quality of the oil burned in this emissions unit shall meet on an "as received" basis a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.0 pound of sulfur dioxide per million Btu actual heat input.
[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 and/or #2 fuel oil, 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)]
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for heat content and sulfur content and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.
[Authority for term: OAC rule 3745-77-07(C)(1)]
3. The permittee shall perform or require the supplier to perform the analyses for heat content and sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.
[Authority for term: OAC rule 3745-77-07(C)(1)]
4. (Authority for terms III.1 - III.3: OAC rule 3745-77-07(A)(3)(a) and (b))

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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 and/or #2 fuel oil was burned in this emissions unit.

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

2. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

- a. the total quantity of oil received in each shipment (gallons); and
 b. the calculated sulfur dioxide emission rate (pound/mmBtu) for each shipment of oil received.

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

3. The deviation reports and oil analysis reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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

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V. **Testing Requirements**

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-17-03(B)(1).

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

- b. Emission Limitation:

0.020 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

For natural gas, the permittee may divide the AP-42 (Table 1.4-2, dated 7/98) particulate emission factor of 1.9 pounds of particulate emissions per million cubic feet of natural gas by an average natural gas higher heating value of 1020 Btu per standard cubic foot natural gas.

For #2 fuel oil, the permittee may divide the AP-42 (Table 1.3-1, dated 9/98) particulate emission factor of 2 pounds per thousand gallons by the #2 fuel oil higher heating value of 140 mmBtu per thousand gallons.

If required, the permittee shall demonstrate compliance using the methods and procedures provided in OAC rule 3745-17-03(B)(9).

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

- c. Emission Limitation:

1.0 pound of sulfur dioxide per million Btu of actual heat input when burning #2 fuel oil

Applicable Compliance Method:

Compliance with this specification shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil, using the equation in OAC rule 3745-18-04(F)(2).

If required, the permittee shall demonstrate compliance using the methods and procedures provided in OAC rule 3745-18-04(A).

[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: 0448010404 Emissions Unit ID: B002 Issuance type: Title V Draft 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: 0448010404 Emissions Unit ID: B003 Issuance type: Title V Draft 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>
75.5 mmBtu/hr boiler fired with natural gas, landfill gas, and #2 fuel oil	OAC rule 3745-17-07(A)	See section A.I.2.a below.
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per million Btu of actual heat input
	OAC rule 3745-18-54(Y)	1.0 pound of sulfur dioxide per million Btu of actual heat input

2. Additional Terms and Conditions

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

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II. Operational Restrictions

1. The permittee shall burn only natural gas, landfill gas, and/or #2 fuel oil in this emissions unit.
[Authority for term: OAC rule 3745-77-07(A)(1)]
2. The quality of the oil burned in this emissions unit shall meet on an "as received" basis a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.0 pound sulfur dioxide per million Btu actual heat input.
[Authority for term: OAC rule 3745-77-07(A)(1)]
3. The quality of the landfill gas burned in this emissions unit shall meet on an "as burned" basis a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.0 pound sulfur dioxide per million Btu of actual heat input.
[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, landfill gas and/or #2 fuel oil, 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)]
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for heat content and sulfur content and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.
[Authority for term: OAC rule 3745-77-07(C)(1)]
3. The permittee shall perform or require the supplier to perform the analyses for heat content and sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.
[Authority for term: OAC rule 3745-77-07(C)(1)]
4. The permittee shall collect or require the landfill gas supplier to collect a representative sample of the landfill gas that is received for burning in this emissions unit. Sampling shall be performed once per annual heating season, October through May. The permittee shall perform or require the supplier to perform analyses of each landfill gas sample for sulfur content, heat content and density in accordance with the appropriate ASTM methods. Alternative, equivalent test methods may be used upon written approval by the Toledo Division of Environmental Services.
[Authority for term: OAC rule 3745-77-07(C)(1)]

5. The permittee shall maintain records of the total quantity of landfill gas combusted, the permittee's or landfill gas supplier's analyses for sulfur content, heat content, density, and the calculated SO₂ emission rate (in pound/mmBtu).

[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, landfill gas and/or #2 fuel oil was burned in this emissions unit.

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

2. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons); and
 - b. the calculated sulfur dioxide emission rate (pound/mmBtu) for each shipment of oil received.

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

3. The permittee shall submit, once per heating season, copies of the permittee's or landfill gas supplier's analyses for the landfill gas which is received for burning in this emissions unit. The analyses shall be submitted according to the following schedule:
 - a. sampling conducted October through December shall be reported by January 31;
 - b. sampling conducted January through March shall be reported by April 30; and
 - c. sampling conducted April through May shall be reported by July 31.

The permittee's or landfill gas supplier's analyses shall document the sulfur content (percent by volume), heat content (Btu/cuft), density and calculated sulfur dioxide emission rate (lb/mmBtu) for each sample.

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

4. The deviation reports and fuel analysis reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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

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V. Testing Requirements

1. Compliance with the emission limitations in sections A.1.1 and A.1.2 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rule 3745-77-07(C)(1)]
 - b. Emission Limitation:

0.020 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

For natural gas, the permittee may divide the AP-42 (Table 1.4-2, dated 7/98) particulate emission factor of 1.9 pounds of particulate emissions per million cubic feet of natural gas by an average natural gas higher heating value of 1020 Btu per standard cubic foot natural gas.

For #2 fuel oil, the permittee may divide the AP-42 (Table 1.3-1, dated 9/98) particulate emission factor of 2 pounds per thousand gallons by the #2 fuel oil higher heating value of 140 mmBtu per thousand gallons.

For landfill gas, the permittee may apply the AP-42 (Table 1.4-2, dated 7/98) particulate emission factor for natural gas. Particulate emissions may then be calculated by dividing the particulate emission factor of 1.9 pounds of particulate emissions per million cubic feet of landfill gas by the heat content (Btu/cuft) determined in the most recent analysis.

If required for natural gas, #2 fuel oil and landfill gas, the permittee shall demonstrate compliance using the methods and procedures provided in OAC rule 3745-17-03(B)(9).

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

c. Emission Limitation:

1.0 pound of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

For natural gas: the exclusive combustion of commercially available natural gas shall be considered adequate demonstration of compliance with this emission limitation, or divide the AP-42 (Table 1.4-2, dated 7/98) sulfur dioxide emission factor of 0.6 pound of sulfur dioxide emissions per million cubic feet of natural gas by an average natural gas higher heating value of 1020 Btu per standard cubic foot natural gas.

For #2 fuel oil: Compliance with this specification shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil, using the equation in OAC rule 3745-18-04(F)(2).

For landfill gas: Compliance with this specification shall be demonstrated based upon the analytical results provided by the permittee or landfill gas supplier for the landfill gas received for burning using the equation in OAC rule 3745-18-04(F)(3).

If required, for natural gas, #2 fuel oil and landfill gas, the permittee shall demonstrate compliance using the methods and procedures provided in OAC rule 3745-18-04(A).

[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: 0448010404 Emissions Unit ID: B003 Issuance type: Title V Draft 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: 0448010404 Emissions Unit ID: B004 Issuance type: Title V Draft 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>
75.5 mmBtu/hr boiler fired with natural gas, landfill gas, and #2 fuel oil	OAC rule 3745-17-07(A)	See section A.1.2.a below.
	OAC rule 3745-17-10(B)(1)	0.020 pound of particulate emissions per million Btu of actual heat input
	OAC rule 3745-18-54(Y)	1.0 pound of sulfur dioxide per million Btu of actual heat input

2. Additional Terms and Conditions

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

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II. **Operational Restrictions**

- 1. The permittee shall burn only natural gas, landfill gas, and/or #2 fuel oil in this emissions unit.
[Authority for term: OAC rule 3745-77-07(A)(1)]
- 2. The quality of the oil burned in this emissions unit shall meet on an "as received" basis a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.0 pound sulfur dioxide per million Btu actual heat input.
[Authority for term: OAC rule 3745-77-07(A)(1)]

3. The quality of the landfill gas burned in this emissions unit shall meet on an "as burned" basis a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.0 pound sulfur dioxide per million Btu of actual heat input.

[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, landfill gas and/or #2 fuel oil, 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)]

2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for heat content and sulfur content and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

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

3. The permittee shall perform or require the supplier to perform the analyses for heat content and sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

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

4. The permittee shall collect or require the landfill gas supplier to collect a representative sample of the landfill gas that is received for burning in this emissions unit. Sampling shall be performed once per annual heating season, October through May. The permittee shall perform or require the supplier to perform analyses of each landfill gas sample for sulfur content, heat content and density in accordance with the appropriate ASTM methods. Alternative, equivalent test methods may be used upon written approval by the Toledo Division of Environmental Services.

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

5. The permittee shall maintain records of the total quantity of landfill gas combusted, the permittee's or landfill gas supplier's analyses for sulfur content, heat content, density, and the calculated SO₂ emission rate (in pound/mmBtu).

[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, landfill gas and/or #2 fuel oil was burned in this emissions unit.

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

2. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

- a. the total quantity of oil received in each shipment (gallons); and
- b. the calculated sulfur dioxide emission rate (pound/mmBtu) for each shipment of oil received.

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

3. The permittee shall submit, once per heating season, copies of the permittee's or landfill gas supplier's analyses for the landfill gas which is received for burning in this emissions unit. The analyses shall be submitted according to the following schedule:

- a. sampling conducted October through December shall be reported by January 31;
- b. sampling conducted January through March shall be reported by April 30; and
- c. sampling conducted April through May shall be reported by July 31.

The permittee's or landfill gas supplier's analyses shall document the sulfur content (percent by volume), heat content (Btu/cuft), density and calculated sulfur dioxide emission rate (lb/mmBtu) for each sample.

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

4. The deviation reports and fuel analysis reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.

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

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V. **Testing Requirements**

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-17-03(B)(1).

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

b. Emission Limitation:

0.020 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

For natural gas, the permittee may divide the AP-42 (Table 1.4-2, dated 7/98) particulate emission factor of 1.9 pounds of particulate emissions per million cubic feet of natural gas by an average natural gas higher heating value of 1020 Btu per standard cubic foot natural gas.

For #2 fuel oil, the permittee may divide the AP-42 (Table 1.3-1, dated 9/98) particulate emission factor of 2 pounds per thousand gallons by the #2 fuel oil higher heating value of 140 mmBtu per thousand gallons.

For landfill gas, the permittee may apply the AP-42 (Table 1.4-2, dated 7/98) particulate emission factor for natural gas. Particulate emissions may then be calculated by dividing the particulate emission factor of 1.9 pounds of particulate emissions per million cubic feet of landfill gas by the heat content (Btu/cuft) determined in the most recent analysis.

If required for natural gas, #2 fuel oil and landfill gas, the permittee shall demonstrate compliance using the methods and procedures provided in OAC rule 3745-17-03(B)(9).

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

c. Emission Limitation:

1.0 pound of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

For natural gas: the exclusive combustion of commercially available natural gas shall be considered adequate demonstration of compliance with this emission limitation, or divide the AP-42 (Table 1.4-2, dated 7/98) sulfur dioxide emission factor of 0.6 pound of sulfur dioxide emissions per million cubic feet of natural gas by an average natural gas higher heating value of 1020 Btu per standard cubic foot natural gas.

For #2 fuel oil: Compliance with this specification shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil, using the equation in OAC rule 3745-18-04(F)(2).

For landfill gas: Compliance with this specification shall be demonstrated based upon the analytical results provided by the permittee or landfill gas supplier for the landfill gas received for burning using the equation in OAC rule 3745-18-04(F)(3).

If required, for natural gas, #2 fuel oil and landfill gas, the permittee shall demonstrate compliance using the methods and procedures provided in OAC rule 3745-18-04(A).

[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: 0448010404 Emissions Unit ID: B004 Issuance type: Title V Draft 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: 0448010404 Emissions Unit ID: F001 Issuance type: Title V Draft 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>
paved roadways and parking areas (see section A.I.2.a)	OAC rule 3745-17-07(B)(4)	no visible particulate emissions except for 6 minutes during any 60-minute period
	OAC rule 3745-17-08(B), (B)(8), (B)(9)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.c, A.I.2.d, and A.I.2.f through A.I.2.j)
unpaved roadways and parking areas (see section A.I.2.b)	OAC rule 3745-17-07(B)(5)	no visible particulate emissions except for 13 minutes during any 60-minute period
	OAC rule 3745-17-08(B), (B)(2)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.e through A.I.2.j)

2. Additional Terms and Conditions

- a. All paved roadways and parking areas shall be covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08.
- b. All unpaved roadways and parking areas shall be covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08.
- c. The permittee shall employ reasonably available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by flushing with water and/or sweeping at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. The permittee shall employ reasonably available control measures on the unpaved shoulders of all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements.
- e. The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's initial 1996 application, the permittee committed to speed reduction to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- f. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- g. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- h. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- i. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- j. 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 3745-17-08.

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and each parking area in accordance with the following frequencies:

paved roadways and parking areas minimum inspection frequency

all Once per calendar month

unpaved roadways and parking areas minimum inspection frequency

all Once per calendar month

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

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if 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.

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

3. After the permittee has performed weekly inspections of the paved roadways and parking areas for one calendar quarter, which may include periods prior to issuance of this permit, and no visible particulate emissions of fugitive dust have been observed, the permittee may begin inspections of the paved roadways and parking areas once per month. If visible emissions of fugitive dust are observed during subsequent monthly inspections, the permittee shall return to an inspection frequency of once per calendar week until no visible particulate emissions of fugitive dust are observed for another calendar quarter. All inspections shall be performed during representative, normal traffic conditions as stated in section A.III.1.

4. After the permittee has performed weekly inspections of the unpaved roadways and parking areas for one calendar quarter and no visible particulate emissions fugitive dust have been observed, the permittee may begin inspections of the unpaved roadways and parking areas once per month. If visible emissions of fugitive dust during subsequent monthly inspections, the permittee shall return to an inspection frequency of once per calendar week until no visible particulate emissions of fugitive dust are observed for another calendar quarter. All inspections shall be performed during representative, normal traffic conditions as stated in section A.III.1.

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

5. The permittee shall maintain records of the following information:
 - a. the date and reason any required 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 the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in section A.III.5.d shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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

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IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each period during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

- b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

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

- 2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

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

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V. **Testing Requirements**

- 1. If required, compliance with the emission limitation for the paved and unpaved roadways and parking areas identified above 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.

[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: 0448010404 Emissions Unit ID: F001 Issuance type: Title V Draft 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