

Facility ID: 1409040014 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

None

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b State Only Enforceable Section

1. The following insignificant emissions unit(s) are located at this facility:

P001 Starch Silo
Z002 Color Strip Operation
Z003 Condensate Treatment
Z004 Paper Trim

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 a permit to install for the emissions unit.

- [Go to Part III for Emissions Unit B003](#)
- [Go to Part III for Emissions Unit B004](#)
- [Go to Part III for Emissions Unit B005](#)
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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1409040014 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>
30 MMBtu/Hr. Natural Gas/#2 Oil Fired Boiler	40 CFR Part 52.1881(b)(12)	1.40 lbs SO2/MMBtu of actual heat input.
	OAC 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC 3745-17-10(B)(1)	0.020 lb PM/MMBtu of actual heat input.

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

1. The quality of the oil burned in this emissions unit shall have a combination of heat and sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.40 lbs SO2/MMBtu of actual heat input.

Compliance with the above-mentioned specification shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.
2. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

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 sulfur content and heat content, and the SO2 emissions rate in lbs/MMBtu of actual heat input.
2. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. Reporting Requirements

1. 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) of 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);
 - b. the weighted* average sulfur content (percent) of the oil received during each calendar month;
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month; and
 - d. the weighted* average SO2 emissions rate (lbs/MMBtu) for the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.

These quarterly reports shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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V. Testing Requirements

1. Compliance with OAC 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC 3745-17-03 (B)(1).
2. Compliance with OAC 3745-17-10(B)(1) shall be demonstrated by emission factors from AP-42 (External Combustion Sources).
3. Compliance with the SO2 limitation shall be demonstrated using the data required in T&C A.III.1.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1409040014 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>
30 MMBtu/Hr. Natural Gas/#2 Oil Fired Boiler	OAC 3745-18-15(J)(2)	1.2 lbs SO2/MMBtu of actual heat input and the average operating rate specified in B.II.1. below.

2. Additional Terms and Conditions

1. None

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II. Operational Restrictions

1. The daily average operating rate for this emissions unit shall not exceed the following: first quarter, 27MMBtu/Hr; second quarter, 27 MMBtu/Hr; third quarter, 0.0 MMBtu/Hr; and fourth quarter, 27 MMBtu/hr.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the total actual heat input, the hours of operation for this emissions unit and the daily average operating rate.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the daily average operating rate exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

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V. Testing Requirements

1. Compliance with the average daily operating rate limitation shall be determined by the record keeping requirements in section B.III. of this permit.
2. Compliance with the SO2 limitation shall be demonstrated using the data required in T&C A.III.1.

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VI. Miscellaneous Requirements

1. The requirements in term B.II.1, B.III.1 and B.IV.1 shall not apply on any calendar day in which only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet is burned.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1409040014 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>
79 MMBtu/Hr. Natural Gas/#2 Oil Fired Boiler	40 CFR Part 52.1881(b)(12)	1.40 lbs SO2/MMBtu of actual heat input.
	OAC 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC 3745-17-10(B)(1)	0.020 lb PM/MMBtu of actual heat input.

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

1. The quality of the oil burned in this emissions unit shall have a combination of heat and sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.40 lbs SO₂/MMBtu of actual heat input.

Compliance with the above-mentioned specification shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.
2. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

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 sulfur content and heat content, and the SO₂ emissions rate in lbs/MMBtu of actual heat input.
2. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. Reporting Requirements

1. 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) of 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);
 - b. the weighted* average sulfur content (percent) of the oil received during each calendar month;
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month; and
 - d. the weighted* average SO₂ emissions rate (lbs/MMBtu) for the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.

These quarterly reports shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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V. Testing Requirements

1. Compliance with OAC 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC 3745-17-03 (B)(1).
2. Compliance with OAC 3745-17-10(B)(1) shall be demonstrated by emission factors from AP-42 (External Combustion Sources).
3. Compliance with the SO₂ limitation shall be demonstrated using the data required in T&C A.III.1.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1409040014 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>
79 MMBtu/Hr. Natural Gas/#2 Oil Fired Boiler	OAC 3745-18-15(J)(3)	1.2 lbs SO ₂ /MMBtu of actual heat input and the combined average operating rate specified in B.II.1. below.

2. Additional Terms and Conditions

1. None

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II. Operational Restrictions

1. The daily combined average operating rate for emissions units B004 and B005 shall not exceed 153 MMBtu/hr.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following for emission units B004 and B005 combined:
 - a. total actual heat input,
 - b. the hours of operation, and
 - c. the daily combined average operating rate.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the daily combined average operating rate exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

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V. Testing Requirements

1. Compliance with the daily combined average operating rate limitation shall be determined by the record keeping requirements in section B.III. of this permit.
2. Compliance with the SO₂ limitation shall be demonstrated using the data required in T&C A.III.1.

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VI. Miscellaneous Requirements

1. The requirements in term B.II.1, B.III.1 and B.IV.1 shall not apply on any calendar day in which only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet is burned.

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Facility ID: 1409040014 Emissions Unit ID: B005 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>
88 MMBtu/Hr. Natural Gas/#2 Oil Fired Boiler	40 CFR Part 52.1881(b)(12)	1.40 lbs SO2/MMBtu of actual heat input.
	OAC 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC 3745-17-10(B)(1)	0.020 lb PM/MMBtu of actual heat input.

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

1. The quality of the oil burned in this emissions unit shall have a combination of heat and sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.40 lbs SO2/MMBtu of actual heat input.

Compliance with the above-mentioned specification shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.

2. The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

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 sulfur content and heat content, and the SO2 emissions rate in lbs/MMBtu of actual heat input.

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

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IV. Reporting Requirements

1. 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) of 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);
 - b. the weighted* average sulfur content (percent) of the oil received during each calendar month;
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month; and
 - d. the weighted* average SO2 emissions rate (lbs/MMBtu) for the oil received during each calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.

These quarterly reports shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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V. **Testing Requirements**

1. Compliance with OAC 3745-17-07(A)(1) shall be demonstrated by the methods outlined in OAC 3745-17-03 (B)(1).
2. Compliance with OAC 3745-17-10(B)(1) shall be demonstrated by emission factors from AP-42 (External Combustion Sources).
3. Compliance with the SO2 limitation shall be demonstrated using the data required in T&C A.III.1.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1409040014 Emissions Unit ID: B005 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>
88 MMBtu/Hr. Natural Gas/#2 Oil Fired Boiler	OAC 3745-18-15(J)(3)	1.2 lbs SO2/MMBtu of actual heat input and the combined average operating rate specified in B.II.1. below.

2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. The daily combined average operating rate for emissions units B004 and B005 shall not exceed 153 MMBtu/hr.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following for emission units B004 and B005 combined:
 - a. total actual heat input,
 - b. the hours of operation, and
 - c. the daily combined average operating rate.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the daily combined average operating rate exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

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V. Testing Requirements

1. Compliance with the daily combined average operating rate limitation shall be determined by the record keeping requirements in section B.III. of this permit.
2. Compliance with the SO2 limitation shall be demonstrated using the data required in T&C A.III.1.

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VI. Miscellaneous Requirements

1. The requirements in term B.II.1, B.III.1 and B.IV.1 shall not apply on any calendar day in which only natural gas having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet is burned.

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Facility ID: 1409040014 Emissions Unit ID: P002 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>
Stock Preparation and Papermaking	OAC 3745-21-07(G)(2)	See T&C A.II.1
2. Additional Terms and Conditions		
(a) None		

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II. **Operational Restrictions**

1. This emissions unit currently does not employ any photochemically reactive materials as defined in OAC 3745-21-01(C)(5). It is therefore exempt from all emission limitations and control requirements contained in OAC 3745-21-07(G).

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

1. The permittee shall collect and record the following information each month:
 - a. the company identification of each organic material employed in this emissions unit; and
 - b. a record for each organic material employed, indicating whether or not the material is a photochemically reactive material.

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IV. **Reporting Requirements**

1. Prior to employing photochemically reactive material in this emissions unit, the permittee shall provide written notification to the appropriate Ohio EPA Field Office. Such notification shall include information sufficient to determine compliance with the emission limits and/or control requirements spelled out in OAC 3745-21-07 (G). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour, and pounds per day.

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V. **Testing Requirements**

1. The permittee shall use formulation data provided by the organic material manufacturer or laboratory analysis to determine the organic composition of each solvent employed in this emissions unit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1409040014 Emissions Unit ID: P002 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