

Facility ID: 0855100420 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

- [Go to Part II for Emissions Unit P008](#)
- [Go to Part II for Emissions Unit P009](#)
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Facility ID: 0855100420 Emissions Unit ID: P008 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
  - (a) None.

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>                                 | <u>Applicable Rules/Requirements</u>     | <u>Applicable Emissions Limitations/Control Measures</u>  |
|---|--|---|
| Tubular wire draw benches M1, M2, M3, and M4, with fabric filter (D3) control | OAC rule 3745-31-05(A)(3)<br>PTI 08-3990 | The particulate emissions (PE) from this emissions unit shall not exceed 0.05 pound per hour (lb/hour) and 0.22 ton per year (TPY).     |
|   |  | The visible emissions from this emissions unit shall not exceed 5% opacity, as a six minute average from the fabric filter exhaust.     |
|   | OAC rule 3745-17-11(B)(1)                | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 3745-31-05(A)(3). |
|   | OAC rule 3745-17-07(A)                   | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 3745-31-05(A)(3). |

2. **Additional Terms and Conditions**
  - (a) Compliance with the requirements of OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter control device, pressure drop monitoring, record keeping, reporting and compliance with limits in A.1.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 6.5 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

**D. Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified above.
 

These quarterly deviation (excursion) reports shall be submitted to the Director (appropriate District Office or local air agency) by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter. If no deviations occurred during the calendar quarter, the permittee shall submit a report which states that no deviations occurred during the calendar quarter.

**E. Testing Requirements**

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

0.05 lb/hour particulate emissions

Applicable Compliance Method -

Compliance with this mass limitation shall be determined by multiplying the maximum combined hourly process weight of 1615 pounds by a site-specific mass balance emission factor of 0.000131 lb particulate per lb of product. The result, 2.12 lbs/hour is then multiplied by a control efficiency of 98% (1 - 0.98), for a calculated controlled emission rate of 0.042 lb/hour. If required, compliance with these mass emission limitations shall be based on stack testing per OAC rule 3745-17-03(B)(10).

Emission Limitation -

0.22 TPY particulate emissions

Applicable Compliance Method -

The 0.22 TPY emission limitation was developed by multiplying the 0.05 lb/hour emission limit by the maximum operating schedule of 8,760 hours/year, divided by 2,000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance is also shown with the annual limitation.

Emission Limitation -

5% opacity as a six-minute average

Applicable Compliance Method -

Compliance shall be determined through visible emission evaluations performed using the methods and procedures specified in Reference Method 9 of 40 CFR Part 60, Appendix A, and 40 CFR 60.675(c).

**F. Miscellaneous Requirements**

1. None

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Facility ID: 0855100420 Emissions Unit ID: P009 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
  - (a) None.

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>                                     | <u>Applicable Rules/Requirements</u>  | <u>Applicable Emissions Limitations/Control Measures</u>   |
|---|---------------------------------------|--|
| Tubular wire draw benches M10, M11, M12, and M13, with fabric filter (D6) control | OAC rule 3745-31-05(A)(3) PTI 08-3990 | The particulate emissions (PE) from this emissions unit shall not exceed 0.09 pound per hour (lb/hour) and 0.39 ton per year (TPY).  |
|   | OAC rule 3745-17-11(B)(1)             | The visible emissions from this emissions unit shall not exceed 5% opacity, as a six minute average from the fabric filter exhaust.  |
|   | OAC rule 3745-17-07(A)                | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 3745-31-05(A)(3).<br>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 3745-31-05(A)(3). |

2. **Additional Terms and Conditions**
  - (a) Compliance with the requirements of OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter control device, pressure drop monitoring, record keeping, reporting and compliance with limits in A.1.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 6.5 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.
- D. Reporting Requirements**
1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified above.  
  
These quarterly deviation (excursion) reports shall be submitted to the Director (appropriate District Office or local air agency) by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter. If no deviations occurred during the calendar quarter, the permittee shall submit a report which states that no deviations occurred during the calendar quarter.
- E. 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):  
Emission Limitation -  
0.09 lb/hour particulate emissions  
  
Applicable Compliance Method -  
Compliance with this mass limitation shall be determined by multiplying the maximum combined hourly process weight of 1385 pounds by a site-specific mass balance emission factor of 0.00298 lb particulate per lb of product. The result, 4.13 lbs/hour is then multiplied by a control efficiency of 98% (1 - 0.98), for a calculated controlled emission rate of 0.083 lb/hour. If required, compliance with these mass emission limitations shall be based on stack testing per OAC rule 3745-17-03(B)(10).  
Emission Limitation -  
0.39 TPY particulate emissions  
  
Applicable Compliance Method -  
The 0.39 TPY emission limitation was developed by multiplying the 0.09 lb/hour emission limit by the maximum operating schedule of 8,760 hours/year, divided by 2,000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance is also shown with the annual limitation.  
Emission Limitation -  
5% opacity as a six-minute average  
  
Applicable Compliance Method -  
Compliance shall be determined through visible emission evaluations performed using the methods and procedures specified in Reference Method 9 of 40 CFR Part 60, Appendix A, and 40 CFR 60.675(c).
- F. Miscellaneous Requirements**
1. None

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Facility ID: 0855100420 Emissions Unit ID: P013 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
  - (a) None.

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>              | <u>Applicable Rules/Requirements</u>     | <u>Applicable Emissions Limitations/Control Measures</u>   |
|--|--|--|
| Tubular wire draw bench M8 with fabric filter (D5) control | OAC rule 3745-31-05(A)(3)<br>PTI 08-3990 | The particulate emissions (PE) from this emissions unit shall not exceed 0.03 pound per hour (lb/hour) and 0.15 ton per year (TPY).<br><br>The visible emissions from this emissions unit shall not exceed 5% opacity, as a six minute average from the fabric filter exhaust. |

OAC rule 3745-17-11(B)(1)

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 3745-31-05(A)(3).

OAC rule 3745-17-07(A)

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- (a) The particulate emissions from emissions units P010, P011, P012, P013, and P014 are controlled through the application of a common baghouse. The 5% opacity visible emissions limitation applies to the common egress point of the baghouse shared by emissions units P010, P011, P012, P013, and P014.

B. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 6.5 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

D. **Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified above.

These quarterly deviation (excursion) reports shall be submitted to the Director (appropriate District Office or local air agency) by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter. If no deviations occurred during the calendar quarter, the permittee shall submit a report which states that no deviations occurred during the calendar quarter.

E. **Testing Requirements**

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

Emission Limitation -  
0.03 lb/hour particulate emissions

Applicable Compliance Method -

Compliance with this mass limitation shall be determined by multiplying the maximum combined hourly process weight of 420 pounds by a site-specific mass balance emission factor of 0.00297 lb particulate per lb of product. The result, 1.25 lbs/hour is then multiplied by a control efficiency of 98% (1 - 0.98), for a calculated controlled emission rate of 0.025 lb/hour. If required, compliance with these mass emission limitations shall be based on stack testing per OAC rule 3745-17-03(B)(10).

Emission Limitation -  
0.15 TPY particulate emissions

Applicable Compliance Method -

The 0.15 TPY emission limitation was developed by multiplying the 0.03 lb/hour emission limit by the maximum operating schedule of 8,760 hours/year, divided by 2,000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance is also shown with the annual limitation.

Emission Limitation -  
5% opacity as a six-minute average

Applicable Compliance Method -

Compliance shall be determined through visible emission evaluations performed using the methods and procedures specified in Reference Method 9 of 40 CFR Part 60, Appendix A, and 40 CFR 60.675(c).

F. **Miscellaneous Requirements**

1. None

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Facility ID: 0855100420 Emissions Unit ID: P014 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

(a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

(a) None.

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u>              | <u>Applicable Rules/Requirements</u>     | <u>Applicable Emissions Limitations/Control Measures</u>   |
|--|--|--|
| Tubular wire draw bench M9 with fabric filter (D5) control | OAC rule 3745-31-05(A)(3)<br>PTI 08-3990 | The particulate emissions (PE) from this emissions unit shall not exceed 0.03 pound per hour (lb/hour) and 0.15 ton per year (TPY).  |
|  | OAC rule 3745-17-11(B)(1)                | The visible emissions from this emissions unit shall not exceed 5% opacity, as a six minute average from the fabric filter exhaust. exhaust (See A.2.a.)   |
|  | OAC rule 3745-17-07(A)                   | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 3745-31-05(A)(3).<br>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 3745-31-05(A)(3). |

**2. Additional Terms and Conditions**

- (a) The particulate emissions from emissions units P010, P011, P012, P013, and P014 are controlled through the application of a common baghouse. The 5% opacity visible emissions limitation applies to the common egress point of the baghouse shared by emissions units P010, P011, P012, P013, and P014.

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 6.5 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

**D. Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified above.

These quarterly deviation (excursion) reports shall be submitted to the Director (appropriate District Office or local air agency) by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarter. If no deviations occurred during the calendar quarter, the permittee shall submit a report which states that no deviations occurred during the calendar quarter.

**E. Testing Requirements**

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

Emission Limitation -  
0.03 lb/hour particulate emissions

Applicable Compliance Method -  
Compliance with this mass limitation shall be determined by multiplying the maximum combined hourly process weight of 415 pounds by a site-specific mass balance emission factor of 0.00297 lb particulate per lb of product. The result, 1.23 lbs/hour is then multiplied by a control efficiency of 98% (1 - 0.98), for a calculated controlled emission rate of 0.0246 lb/hour. If required, compliance with these mass emission limitations shall be based on stack testing per OAC rule 3745-17-03(B)(10).

Emission Limitation -  
0.15 TPY particulate emissions

Applicable Compliance Method -  
The 0.15 TPY emission limitation was developed by multiplying the 0.03 lb/hour emission limit by the maximum operating schedule of 8,760 hours/year, divided by 2,000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance is also shown with the annual limitation.

Emission Limitation -  
5% opacity as a six-minute average

Applicable Compliance Method -  
Compliance shall be determined through visible emission evaluations performed using the methods and procedures specified in Reference Method 9 of 40 CFR Part 60, Appendix A, and 40 CFR 60.675(c).

**F. Miscellaneous Requirements**

1. None