

Facility ID: 1677040053 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.

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Facility ID: 1677040053 Emissions Unit ID: F007 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>
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year
	OAC rule 3745-17-07(A)	See A.2.a below.
	OAC rule 3745-17-08 OAC rule 3745-17-11	Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average. See A.2.b below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.		The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:

- i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.
- B. **Operational Restrictions**
- 1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.
- C. **Monitoring and/or Record Keeping Requirements**
- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.
- D. **Reporting Requirements**
- 1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
- 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
 - 0.25 pound of PE per hour
 - Applicable Compliance Method
 - A stack test to determine mass PE emissions rate maybe required if necessary.
 - Emission Limitation
 - 1.1 tons of PE per year
 - Applicable Compliance Method
 - Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.
 - Emission Limitation
 - 20% opacity as a six-minute average
 - Applicable Compliance Method
 - OAC rule 3745-17-03(B)(1)
- F. **Miscellaneous Requirements**
- 1. None

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Facility ID: 1677040053 Emissions Unit ID: F008 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>
P008 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 8 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour
		1.1 tons of PE per year
		See A.2.a below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
	OAC rule 3745-17-08	See A.2.b below.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..

This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

- 1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

- 1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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
 - 0.25 pound of PE per hour
 - Applicable Compliance Method
 - A stack test to determine mass PE emissions rate maybe required if necessary.
 - Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.
Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040053 Emissions Unit ID: F009 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>
P009 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 9 single screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year See A.2.a below.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average. See A.2.b below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-08 OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot,

or no visible emissions whichever is less stringent..

This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.

Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.

Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040053 Emissions Unit ID: F010 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>
P010 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 10 single screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year See A.2.a below.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average. See A.2.b below.
	OAC rule 3745-17-08 OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.		

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

- 1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

- 1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.
 - Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.
 - Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

- 1. None

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Facility ID: 1677040053 Emissions Unit ID: F011 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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- 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>
P011 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 11 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour
		1.1 tons of PE per year
		See A.2.a below.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
	OAC rule 3745-17-08	See A.2.b below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent.
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

- 1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.

Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.

Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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Part II - Special Terms and Conditions

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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>
P012 -Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year

throat hopper, heated barrel & screw and cooling bath, Line # 12 twin screw extrusion line, controlled with a cartridge or fabric filter.

See A.2.a below.

OAC rule 3745-17-07(A)

Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.

OAC rule 3745-17-08

See A.2.b below.

OAC rule 3745-17-11

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

P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.

2. Additional Terms and Conditions

(a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:

i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and

ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.

iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..

This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.

Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.

Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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

Facility ID: 1677040053 Emissions Unit ID: F013 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>
P013 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 13 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year See A.2.a below.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
	OAC rule 3745-17-08	See A.2.b below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

- 1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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
 - 0.25 pound of PE per hour
 - Applicable Compliance Method
 - A stack test to determine mass PE emissions rate maybe required if necessary.
 - Emission Limitation
 - 1.1 tons of PE per year
 - Applicable Compliance Method
 - Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.
 - Emission Limitation
 - 20% opacity as a six-minute average
 - Applicable Compliance Method
 - OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

- 1. None

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Facility ID: 1677040053 Emissions Unit ID: F014 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>
P014 - Railcar bulk transfer system, vacuum controlled by cyclone and cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour
		1.1 tons of PE per year
		See A.2.a below.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
	OAC rule 3745-17-08	See A.2.b below.
P007 - Plastic pelletizer extruder for	OAC rule 3745-17-11	The emission limitation specified by this rule is less

blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.

stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

(a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:

i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and

ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.

iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..

This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.

Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.

Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040053 Emissions Unit ID: F015 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>
P015 - Ribbon Blender, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year
	OAC rule 3745-17-07(A)	See A.2.a below. Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
	OAC rule 3745-17-08	See A.2.b below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent.
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.
Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.
Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

- 1. None

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Facility ID: 1677040053 Emissions Unit ID: F016 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>
P016 - Ribbon Blender B, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year
	OAC rule 3745-17-07(A)	See A.2.a below. Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
	OAC rule 3745-17-08	See A.2.b below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's

recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and

ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.

iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent.

This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.

Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.

Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040053 Emissions Unit ID: F017 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>
P017 - Ribbon Blender C, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year
	OAC rule 3745-17-07(A)	See A.2.a below. Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-08 OAC rule 3745-17-11	See A.2.b below. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
- i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent.
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
- a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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
- 0.25 pound of PE per hour
- Applicable Compliance Method
- A stack test to determine mass PE emissions rate maybe required if necessary.
- Emission Limitation
- 1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.
Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1677040053 Emissions Unit ID: F018 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>
P018 - Ribbon Blender D, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year
	OAC rule 3745-17-07(A)	See A.2.a below. Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
	OAC rule 3745-17-08	See A.2.b below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..

This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. **Operational Restrictions**

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.
- C. **Monitoring and/or Record Keeping Requirements**
 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.
- D. **Reporting Requirements**
 1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
- 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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.

Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.

Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)
- F. **Miscellaneous Requirements**
 1. None

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Facility ID: 1677040053 Emissions Unit ID: F019 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>
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<p>P019 - Ribbon Blender E, controlled with a cartridge or fabric filter.</p>	<p>OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002</p>	<p>0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year</p>
	<p>OAC rule 3745-17-07(A)</p>	<p>See A.2.a below. Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.</p>
	<p>OAC rule 3745-17-08</p>	<p>See A.2.b below.</p>
<p>P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.</p>	<p>OAC rule 3745-17-11</p>	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..

This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

- 1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

- 1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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
 - 0.25 pound of PE per hour
 - Applicable Compliance Method
 - A stack test to determine mass PE emissions rate maybe required if necessary.
 - Emission Limitation
 - 1.1 tons of PE per year
 - Applicable Compliance Method
 - Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.
 - Emission Limitation
 - 20% opacity as a six-minute average
 - Applicable Compliance Method
 - OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040053 Emissions Unit ID: F020 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>
P020 - Ribbon Blender F, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year
	OAC rule 3745-17-07(A)	See A.2.a below. Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-08 OAC rule 3745-17-11	See A.2.b below. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent.
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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
 - 0.25 pound of PE per hour
 - Applicable Compliance Method
 - A stack test to determine mass PE emissions rate maybe required if necessary.
 - Emission Limitation
 - 1.1 tons of PE per year
 - Applicable Compliance Method
 - Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.
 - Emission Limitation
 - 20% opacity as a six-minute average
 - Applicable Compliance Method
 - OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040053 Emissions Unit ID: F021 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>
P021-Ribbon Blender G, controlled with a cartridge or fabric filter.	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year
	OAC rule 3745-17-07(A)	See A.2.a below. Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
	OAC rule 3745-17-08	See A.2.b below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established

the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.

pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

(a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:

i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and

ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.

iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..

This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.

Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.

Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040053 Emissions Unit ID: F022 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>
P022 - Storage Silos for barium sulfate, controlled fabric filter	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour 1.1 tons of PE per year
	OAC rule 3745-17-07(A)	See A.2.a below. Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
	OAC rule 3745-17-08	See A.2.b below.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions; and
 - ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.
 - iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..
This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.
Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.
Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1677040053 Emissions Unit ID: F023 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>
P023 - Ribbon Blender H, uncontrolled	OAC rule 3745-31-05(A)(3) PTI # 16-02158 Issued 11/14/2002	0.25 pound of particulate emissions (PE) per hour
		1.1 tons of PE per year
	OAC rule 3745-17-07(A)	See A.2.a below. Visible particulate emissions from any stack, vent or building opening shall not exceed twenty percent opacity, as a six-minute average.
P007 - Plastic pelletizer extruder for blending plastic compounds and pelletizing the product. Consisting of extruder, feed and throat hopper, heated barrel & screw and cooling bath, Line # 7 twin screw extrusion line, controlled with a cartridge or fabric filter.	OAC rule 3745-17-08	See A.2.b below.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- (a) The permittee shall employ best available technology (BAT) to control particulate emissions from this emissions unit. The control technology shall include the following:
 - i. the installation and employment of a fabric filter (baghouse), in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control particulate emissions;

and

ii. the installation and employment of hoods, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent particulate emissions to a baghouse.

iii. emissions from the outlet of the baghouse shall not exceed 0.03 grains per dry standard cubic foot, or no visible emissions whichever is less stringent..

This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07(B)(1) and 3745-17-08(B) do not apply to this emissions unit.

B. Operational Restrictions

1. The permittee shall not add any solvents or liquid volatile organic compounds in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

0.25 pound of PE per hour

Applicable Compliance Method

A stack test to determine mass PE emissions rate maybe required if necessary.

Emission Limitation

1.1 tons of PE per year

Applicable Compliance Method

Multiply the hourly PE emission rate by 8760 hours per year, the hourly emissions rate may have to be determined by conducting a stack test if necessary.

Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040053 Emissions Unit ID: N001 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>
N001 - Controlled pyrolysis cleaning furnace #1, natural gas fired, multiple chamber (primary and secondary), batch charging, maximum rated capacity 7 -1 0 lbs/hr, burning Type 6 waste	OAC rule 3745-31-05(A)(3) PTI # 16-02330 issued 12/26/2003	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07 and 3745-17-09. 0.013 lb/hr particulate emissions (PE) 0.06 tpy PE 0.027 lb/hr nitrogen oxides (NOx) 0.12 tpy NOx 0.017 lb/hr organic compounds (OC) 0.07 tpy OC 0.002 lb/hr sulfur dioxide (SO2) 0.01 tpy SO2 0.050 lb/hr carbon monoxide (CO) 0.22 tpy CO 5% opacity as a 6-minute average
	OAC rule 3745-17-07(A)	The visible PE limitation specified in this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-09	0.20 pound of particulate emissions (PE) per 100 pounds of material charged.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The permittee shall only burn natural gas as fuel in this emissions unit.
2. The permittee shall not process parts which may emit vapors of toxic metals such as lead or mercury. The permittee shall not process parts or materials containing coatings or plastics which contain halogens such as chloride, fluorine, or bromine. This emissions unit shall be used to process organic polymers containing only carbon, hydrogen, and oxygen.
3. Batch incinerators (fully loaded while cold and never opened until the burn cycle is complete) shall incorporate a lockout system, which will prevent the ignition of waste until the exhaust gas temperature of the secondary combustion chamber reaches 1400 degrees Fahrenheit.
4. The secondary chamber of this emissions unit shall operate so that the exhaust gas is a minimum of 1400 degrees Fahrenheit until the wastes are completely combusted and the burn-down cycle is complete.
5. The incinerator shall be operated, maintained, and cleaned according to the manufacturer's recommendations so as to prevent the emissions of objectionable odors.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and display which measures and displays the temperature of the exhaust gas from the secondary combustion chamber when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring device and display shall be capable of accurately measuring the desired parameter. The temperature monitor and display shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with an modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information each time the emissions unit was in operation:
 - a. the temperature of the secondary combustion chamber, twice per batch cycle, in degrees Fahrenheit; and
 - b. a log of the downtime for the monitoring equipment, when the associated emissions unit was in operation.
3. The permittee shall maintain a written log that records the amount of material charged on either a pounds per hour of pounds per batch basis.

D. Reporting Requirements

1. The permittee shall submit temperature deviation (excursion) reports that identify any records in which the secondary combustion chamber temperature was less than 1400 degrees Fahrenheit and the actual recorded temperature for that period.
2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.2 of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
 Emission Limitation:

 5% opacity as a 6-minute average

 Applicable Compliance Method:

 OAC rule 3745-17-03(B)(1)
 Emission Limitation:

 0.013 lb/hr particulate emissions (PE)
 0.06 tpy PE

 Applicable Compliance Method:

 If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance to USEPA Method 5, 40 CFR Part 60, Appendix A.
 Emission Limitation:

 0.027 lb/hr nitrogen oxides (NOx)
 0.12 tpy NOx

 Applicable Compliance Method:

 If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance to USEPA Method 7, 40 CFR Part 60, Appendix A.
 Emission Limitation:

 0.017 lb/hr organic compounds (OC)
 0.07 tpy OC

 Applicable Compliance Method:

 If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance to USEPA Method 25, 40 CFR Part 60, Appendix A.
 Emission Limitation:

 0.002 lb/hr sulfur dioxide (SO2)
 0.01 tpy SO2

 Applicable Compliance Method:

 If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance to USEPA Method 6, 40 CFR Part 60, Appendix A.
 Emission Limitation:

 0.050 lb/hr carbon monoxide (CO)
 0.22 tpy CO

 Applicable Compliance Method:

 If necessary, the permittee may be required to demonstrate compliance with the above limitation by testing in accordance to USEPA Method 10, 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

1. None