

Facility ID: 0351000196 Issuance type: Final State Permit To Operate

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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.

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

Facility ID: 0351000196 Emissions Unit ID: P001 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>
Granular fertilizer production process (including 2 process cyclones integral the operation)	OAC rule 3745-31-05(A)(3) (PTI #03-17113, issued 9/12/06)	1.40 lbs particulate emissions (PE)/hr and 6.13 tons PE/yr from "small" process cyclone stack
		1.81 lbs PE/hr and 7.93 tons PE/yr from "large" process cyclone stack
		Visible PE shall not exceed 20% opacity, as a 6-minute average from the cyclone stacks
	OAC rule 3745-17-07(A)	See A.2.b.
	OAC rule 3745-17-11(B)	See A.2.c.

2. Additional Terms and Conditions

- (a) The hourly emission limitations for PE from the cyclone stacks represent the potential to emit for this emission unit. Therefore, no monitoring, recordkeeping or reporting requirements are necessary to ensure compliance with this emission limitations. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Marion County.

B. Operational Restrictions

1. None

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 cyclone stacks 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 minimize or eliminate the abnormal visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective

actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any abnormal visible particulate emissions were observed from the cyclone stack(s) serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the abnormal 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 limitations specified in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitations: 1.40 lbs PE/hr and 6.13 tons PE/yr from the "small" process cyclone stack

Applicable Compliance Method: The hourly emission limitation represents the potential to emit* for the "small" process cyclone of this emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation. If required, compliance with the PE limitation shall be determined in accordance with Methods 1-5 of 40 CFR, Part 60, Appendix A.

*The potential to emit is based on a maximum inlet rate to the cyclone of 27.9 lbs/hr and a cyclone efficiency of 95%.

The tons of PE/yr limitation was developed by multiplying the lbs/hr limitation, the maximum annual operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

Emission Limitations: 1.81 lbs PE/hr and 7.93 tons PE/yr from the "large" process cyclone stack

Applicable Compliance Method: The hourly emission limitation represents the potential to emit* for the "large" process cyclone of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation. If required, compliance with the PE limitation shall be determined in accordance with Methods 1-5 of 40 CFR, Part 60, Appendix A.

*The potential to emit is based on the maximum inlet rate to the cyclone of 60.3 lbs/hr and a cyclone efficiency of 97%.

The tons of PE/yr limitation was developed by multiplying the lbs/hr limitation, the maximum annual operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation

Emission Limitation: Visible PE shall not exceed 20% opacity, as a 6-minute average from the cyclone stacks

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible emissions limitation above pursuant to Method 9 of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. None