

Facility ID: 0829010596 Issuance type: Final State Permit To Operate

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

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

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

- [Go to Part II for Emissions Unit F001](#)
- [Go to Part II for Emissions Unit F002](#)
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Facility ID: 0829010596 Emissions Unit ID: F001 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> |
|---|--|---|
| 400 tons/hr Primary Crusher Boeringer Crusher; portable emissions unit | OAC rule 3745-31-05(A)(3) PTI 08-04151 | 0.28 lb/hr and 0.14 ton/yr particulates Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. The requirements of this rule also include compliance with the requirements of NSPS 40 CFR Part 60, Subpart OOO 15% opacity, as a 6-minute average |
| | NSPS 40 CFR Part 60, Subpart OOO | The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average (See Sections A.2.b. and A.2.c.) |
| | OAC rule 3745-17-07 (B)(1) (See Section A.2.b.) | Reasonable available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See Sections A.2.b. and A.2.c.) |
| | OAC rule 3745-17-08 (B) (See Section A.2.b.) | |

2. Additional Terms and Conditions

- (a) The hourly emission limitation was established to reflect the potential to emit for the equipment identified this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit. OAC rules 3745-17-07(B)(1) and 3745-17-08(B), the stated visible emission opacity requirement, and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08. The aggregate materials processed through the primary crusher, shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer points, so that compliance with the opacity requirements specified above is continuously maintained.

B. Operational Restrictions

1. The maximum annual production rate for this facility shall not exceed 400,000 tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall conduct visible emission evaluations at a minimum annually or upon relocation of the primary

crusher. The VE evaluations shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages), and twenty 3-minute averages.

2. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or laa) within 30 days after the exceedance occurs.
2. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Within the period of May 1 through September 30, the permittee shall conduct, or have conducted, an opacity test for this emissions unit in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in USEPA Reference Method 9.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Regional Air Pollution Control Agency (RAPCA). The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in RAPCA's refusal to accept the results of the opacity test(s).

Personnel from RAPCA shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

A comprehensive written report on the results of the emission test(s) shall be submitted within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from RAPCA.

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

Emission Limitation-
0.28 lb/hr particulates

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of 0.00070 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).

Emission Limitation-
0.14 ton/yr particulates

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.00070 lb/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.

Emission Limitation-
15% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

Emission Limitation-
20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a Permit to Install providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the RAPCA and/or the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and,
- d. in RAPCA's and/or the appropriate field office's judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

2. Under OAC rule 3745-31-05(F), portable or mobile emissions unit may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:
 - a. the permittee has applied for and obtained a site approval for the new site from the Director;

- b. the site approval is current and effective;
- c. the permittee has complied with all of the conditions and restrictions contained in the site approval;
- d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation;

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Facility ID: 0829010596 Emissions Unit ID: F002 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> |
|---|--|---|
| 400 tons/hr Primary Screen; portable emissions unit | OAC rule 3745-31-05(A)(3) PTI #08-04151 | 0.71 lb/hr and 0.35 ton/yr particulates Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. The requirements of this rule also include compliance with the requirements of NSPS 40 CFR Part 60, Subpart OOO 10% opacity, as a 6-minute average |
| | NSPS 40 CFR Part 60, Subpart OOO | The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average (See Sections A.2.b. and A.2.c.) |
| | OAC rule 3745-17-07 (B)(1) (See Section A.2.b.) | Reasonable available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See Sections A.2.b. and A.2.c.) |
| | OAC rule 3745-17-08 (B) (See Section A.2.b.) | |

2. Additional Terms and Conditions

- (a) The hourly emission limitation was established to reflect the potential to emit for the equipment identified this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
OAC rules 3745-17-07(B)(1) and 3745-17-08(B), the stated visible emission opacity requirement, and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
The aggregate materials processed through the primary screen, shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the screen and transfer points, so that compliance with the opacity requirements specified above is continuously maintained.

B. Operational Restrictions

- 1. The maximum annual production rate for this facility shall not exceed 400,000 tons.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall conduct visible emission evaluations at a minimum annually or upon relocation of the primary screen. The VE evaluations shall be performed during the period of May 1 through September 30. The duration

of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages), and twenty 3-minute averages.

2. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or Iaa) within 30 days after the exceedance occurs.
2. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Within the period of May 1 through September 30, the permittee shall conduct, or have conducted, an opacity test for this emissions unit in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in USEPA Reference Method 9.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Regional Air Pollution Control Agency (RAPCA). The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in RAPCA's refusal to accept the results of the opacity test(s).

Personnel from RAPCA shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

A comprehensive written report on the results of the emission test(s) shall be submitted within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from RAPCA.

2. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
Emission Limitation-
0.71 lb/hr particulates

Applicable Compliance Method-
Compliance shall be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of 0.001764 lb/ton determined by multiplying the emission factor for PM10 of 0.00084 by 2.1, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).

Emission Limitation-
0.35 ton/yr particulates

Applicable Compliance Method-
Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.001764 lb/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.

Emission Limitation-
10% opacity, as a 6-minute average

Applicable Compliance Method-
Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart 000.

Emission Limitation-
20% opacity, as a 3-minute average

Applicable Compliance Method-
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a Permit to Install providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the RAPCA and/or the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and,
- d. in RAPCA's and/or the appropriate field office's judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

2. Under OAC rule 3745-31-05(F), portable or mobile emissions unit may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:
 - a. the permittee has applied for and obtained a site approval for the new site from the Director;

- b. the site approval is current and effective;
- c. the permittee has complied with all of the conditions and restrictions contained in the site approval;
- d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation;

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Facility ID: 0829010596 Emissions Unit ID: F003 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> |
|---|--|--|
| 300 tons/hr Secondary Screen; portable emissions unit | OAC rule 3745-31-05(A)(3) PTI# 08-04151 | 0.53 lb/hr and 0.35 ton/yr particulates Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. The requirements of this rule also include compliance with the requirements of NSPS 40 CFR Part 60, Subpart OOO 10% opacity, as a 6-minute average NSPS 40 CFR Part 60, Subpart OOO The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average (See Sections A.2.b. and A.2.c.) Reasonable available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See Sections A.2.b. and A.2.c.) |

2. Additional Terms and Conditions

- (a) The hourly emission limitation was established to reflect the potential to emit for the equipment identified this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
OAC rules 3745-17-07(B)(1) and 3745-17-08(B), the stated visible emission opacity requirement, and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
The aggregate materials processed through the secondary screen, shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the screen and transfer points, so that compliance with the opacity requirements specified above is continuously maintained.

B. Operational Restrictions

- 1. The maximum annual production rate for this facility shall not exceed 400,000 tons.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall conduct visible emission evaluations at a minimum annually or upon relocation of the secondary screen. The VE evaluations shall be performed during the period of May 1 through September 30.

The duration of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages), and twenty 3-minute averages.

2. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or laa) within 30 days after the exceedance occurs.
2. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Within the period of May 1 through September 30, the permittee shall conduct, or have conducted, an opacity test for this emissions unit in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in USEPA Reference Method 9.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Regional Air Pollution Control Agency (RAPCA). The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in RAPCA's refusal to accept the results of the opacity test(s).

Personnel from RAPCA shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

A comprehensive written report on the results of the emission test(s) shall be submitted within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from RAPCA.

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

Emission Limitation-
0.53 lb/hr particulates

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hour by the emission factor of 0.001764 lb/ton determined by multiplying the emission factor for PM10 of 0.00084 by 2.1, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).

Emission Limitation-
0.35 ton/yr particulates

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.001764 lb/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.

Emission Limitation-
10% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

Emission Limitation-
20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a Permit to Install providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the RAPCA and/or the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and,
- d. in RAPCA's and/or the appropriate field office's judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

2. Under OAC rule 3745-31-05(F), portable or mobile emissions unit may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:
 - a. the permittee has applied for and obtained a site approval for the new site from the Director;

- b. the site approval is current and effective;
- c. the permittee has complied with all of the conditions and restrictions contained in the site approval;
- d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation;

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Facility ID: 0829010596 Emissions Unit ID: F004 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> |
|--|--|---|
| Material Handling- 22 conveyors; portable emissions unit | OAC rule 3745-31-05(A)(3) PTI# 08-04151 | 0.89 lb/hr and 0.44 ton/yr particulates Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. The requirements of this rule also include compliance with the requirements of NSPS 40 CFR Part 60, Subpart OOO 10% opacity, as a 6-minute average |
| | NSPS 40 CFR Part 60, Subpart OOO | The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average (See Sections A.2.b. and A.2.c.) |
| | OAC rule 3745-17-07 (B)(1) (See Section A.2.b.) | Reasonable available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See Sections A.2.b. and A.2.c.) |
| | OAC rule 3745-17-08 (B) (See Section A.2.b.) | |

2. Additional Terms and Conditions

- (a) The hourly emission limitation was established to reflect the potential to emit for the equipment identified this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
OAC rules 3745-17-07(B)(1) and 3745-17-08(B), the stated visible emission opacity requirement, and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
The aggregate materials processed through the conveyors, shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyors and transfer points, so that compliance with the opacity requirements specified above is continuously maintained.

B. Operational Restrictions

- 1. The maximum annual production rate for this facility shall not exceed 400,000 tons.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or laa) within 30 days after the exceedance occurs.
2. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Within the period of May 1 through September 30, the permittee shall conduct, or have conducted, an opacity test for this emissions unit in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in USEPA Reference Method 9.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Regional Air Pollution Control Agency (RAPCA). The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in RAPCA's refusal to accept the results of the opacity test(s).

Personnel from RAPCA shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

A comprehensive written report on the results of the emission test(s) shall be submitted within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from RAPCA.

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

Emission Limitation-
0.89 lb/hr particulates

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 400 tons/hour for each conveyor by the emission factor of 0.0001008 lb/ton determined by multiplying the emission factor for PM10 of 0.000048 by 2.1, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates for the 22 conveyors.

Emission Limitation-
0.44 ton/yr particulates

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for calendar year for each conveyor by the emission factor of 0.0001008 lb/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates for the 22 conveyors.

Emission Limitation-
10% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

Emission Limitation-
20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a Permit to Install providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the RAPCA and/or the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and,
- d. in RAPCA's and/or the appropriate field office's judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

2. Under OAC rule 3745-31-05(F), portable or mobile emissions unit may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:
 - a. the permittee has applied for and obtained a site approval for the new site from the Director;
 - b. the site approval is current and effective;
 - c. the permittee has complied with all of the conditions and restrictions contained in the site approval;

- d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation;

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

Facility ID: 0829010596 Emissions Unit ID: F005 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> |
|---|--|--|
| load-in and load-out of storage piles | OAC rule 3745-31-05(A)(3) PTI# 08-04151 | 2.40 tons/yr particulates no visible emissions except for one minute in any hour best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.c and A.2.f) |
| wind erosion from storage piles | OAC rule 3745-31-05(A)(3) PTI# 08-04151 | 3.49 tons/yr particulates no visible emissions except for one minute in any hour best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.f) |

2. Additional Terms and Conditions

- (a) The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

All

The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the load-in and load-out materials with water to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat each storage pile with water to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

B. Operational Restrictions

1. None
- C. **Monitoring and/or Record Keeping Requirements**
 1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

storage pile identification minimum load-in inspection frequency
all daily
 2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

storage pile identification minimum load-out inspection frequency

all daily
 3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification minimum wind erosion inspection frequency

all daily
 4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
 5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
 6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
 7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and,
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.
- D. **Reporting Requirements**
 1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and,
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
 2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
- E. **Testing Requirements**
 1. Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.
- F. **Miscellaneous Requirements**
 1. None