Facility ID: 0247080858 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.

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

**Facility ID: 0247080858 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.

| Operations, Property, and/or Equipment | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| central mix concrete batch plant | | |
| cement silos and weigh hopper loading with fabric filters | OAC rule 3745-17-11(B)(1) | 60 lbs of particulate emissions ("PE")/hr |
| | OAC rule 3745-17-07(A)(1) | Visible PE from the stack serving this portion of the emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule. |
| truck loading | OAC rule 3745-17-07(B)(1) | Visible emissions of fugitive dust from this portion of the emissions unit shall not exceed 20 % opacity, as a three-minute average. |
| | OAC rule 3745-17-08(B) | The permittee shall ensure that the material loaded into the trucks is sufficiently moist to eliminate or minimize visible fugitive emissions. |
| aggregate transfer to elevated storage bins | OAC rule 3745-17-07(B)(1) | Visible emissions of fugitive dust from this portion of the emissions unit shall not exceed 20 % opacity, as a three-minute average. |
| | OAC rule 3745-17-08(B) | The permittee shall ensure that the sand/aggregate remains moist during all periods of transfer to the elevated storage bins. |

2. **Additional Terms and Conditions**

   (a) None

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 emissions from the stack serving this emissions unit and for any visible fugitive dust emissions from 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, the cause of the abnormal visible emissions;
   c. if the emissions are not representative of normal operations, the cause of the abnormal visible emissions;
   d. the total duration of any abnormal visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

D. **Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any abnormal visible PE were observed from the stack serving this emissions unit or any abnormal visible fugitive dust emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible PE or visible fugitive dust emissions. These reports shall be submitted to the Northeast District Office of Ohio EPA by January 31 and July 31 of each year and shall cover the previous six-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 Limitation:
60 lbs of PE/hr

Applicable Compliance Method:
Compliance with the above hourly PE limitation shall be determined by using the emission factors (EFs) from AP-42, Chapter 11.12 (Concrete Batching), Fifth Edition, dated 1/1995, in the following equation with a control efficiency for the use of a fabric filter:

Summation of: [maximum silos loading rate (25 TPH) x (EF of 0.27 lb of PE/ton) x (1 - 0.95)] + [maximum weigh hopper loading rate (30 TPH) x (EF of 0.02 lb of PE/ton)] = [maximum mixer (central mix) loading rate (175 TPH) x (EF of 0.04 lb of PE/ton)] = lbs of PE/hr

If required, compliance with the above hourly PE limitation shall be determined by testing using the method specified in OAC rule 3745-17-03(B)(10).
Emission Limitation:
Visible PE from the stack serving this portion of the emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:
Compliance with the above visible emission limitation shall be determined by the method specified in OAC rule 3745-17-03(B)(1).
Emission Limitation:
Visible emissions of fugitive dust from this portion of the emissions unit shall not exceed 20 % opacity, as a three-minute average.

Applicable Compliance Method:
Compliance with the above visible emission limitation shall be determined by the method specified in OAC rule 3745-17-03(B)(3).

2. Compliance with OAC rule 3745-17-08(B) shall be determined by the methods specified in OAC rule 3745-17-08 (C).

F. **Miscellaneous Requirements**

1. If probable cause exists indicating this emissions unit is causing or contributing to a nuisance in violation of OAC rule 3745-15-07, the permittee shall be required to submit and implement a control program which will bring this emissions unit into compliance.