**John R. Kasich**, Governor
**Mary Taylor**, Lt. Governor
**Craig W. Butler**, Interim Director

2/13/2014

Certified Mail

| | |
|---|---|
| No | TOXIC REVIEW |
| No | SYNTHETIC MINOR TO AVOID MAJOR NSR |
| No | CEMS |
| No | MACT/GACT |
| No | NSPS |
| No | NESHAPS |
| No | NETTING |
| No | MODELING SUBMITTED |
| No | SYNTHETIC MINOR TO AVOID TITLE V |
| No | FEDERALLY ENFORCABLE PTIO (FEPTIO) |
| No | SYNTHETIC MINOR TO AVOID MAJOR GHG |

KEN HOLLAND
OLEN CORP PLANT# 3
4755 S HIGH ST
COLUMBUS, OH 43207

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0125041993
Permit Number: P0115734
Permit Type: Initial Installation
County: Franklin

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

**How to appeal this permit**

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to “Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General’s Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

**How to save money, reduce pollution and reduce energy consumption**

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

**How to give us feedback on your permitting experience**

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

**How to get an electronic copy of your permit**

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Central District Office at (614)728-3778or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-CDO

# FINAL

# Division of Air Pollution Control
# Permit-to-Install and Operate
for
OLEN CORP PLANT# 3

| | |
|---|---|
| Facility ID: | 0125041993 |
| Permit Number: | P0115734 |
| Permit Type: | Initial Installation |
| Issued: | 2/13/2014 |
| Effective: | 2/13/2014 |
| Expiration: | 11/7/2023 |

**Division of Air Pollution Control**
**Permit-to-Install and Operate**
for
OLEN CORP PLANT# 3

**Table of Contents**


Authorization ..... 1

A. Standard Terms and Conditions ..... 3

1. What does this permit-to-install and operate ("PTIO") allow me to do? ..... 4
2. Who is responsible for complying with this permit? ..... 4
3. What records must I keep under this permit? ..... 4
4. What are my permit fees and when do I pay them? ..... 4
5. When does my PTIO expire, and when do I need to submit my renewal application? ..... 4
6. What happens to this permit if my project is delayed or I do not install or modify my source? ..... 5
7. What reports must I submit under this permit? ..... 5
8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit? ..... 5
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? ..... 5
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? ..... 6
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? ..... 6
12. What happens if one or more emissions units operated under this permit is/are shut down permanently? ..... 6
13. Can I transfer this permit to a new owner or operator? ..... 7
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? ..... 7
15. What happens if a portion of this permit is determined to be invalid? ..... 7

B. Facility-Wide Terms and Conditions ..... 8

C. Emissions Unit Terms and Conditions ..... 10

1. F001, COLUMBUS PLANT-Sand and Gravel ..... 11
2. F002, COLUMBUS PLANT ..... 16
3. F003, COLUMBUS PLANT ..... 20
4. F006, Extraction activities ..... 25

# Authorization

| | |
|---|---|
| Facility ID: | 0125041993 |
| Application Number(s): | A0049261 |
| Permit Number: | P0115734 |
| Permit Description: | Chapter 31 modification of PTI 01-3229 for F001, F002, F003 and initial PTIO for F006 (mineral extraction). |
| Permit Type: | Initial Installation |
| Permit Fee: | $3,600.00 |
| Issue Date: | 2/13/2014 |
| Effective Date: | 2/13/2014 |
| Expiration Date: | 11/7/2023 |

Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

OLEN CORP PLANT# 3
4755 S HIGH ST
Columbus, OH 43207

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s))listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Interim Director

# Authorization (continued)

Permit Number: P0115734
Permit Description: Chapter 31 modification of PTI 01-3229 for F001, F002, F003 and initial PTIO for F006 (mineral extraction).

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

| | |
|---|---|
| **Emissions Unit ID:** | **F001** |
| Company Equipment ID: | COLUMBUS PLANT-Sand and Gravel |
| Superseded Permit Number: | 01-3229 |
| General Permit Category and Type: | Not Applicable |
| **Emissions Unit ID:** | **F002** |
| Company Equipment ID: | COLUMBUS PLANT |
| Superseded Permit Number: | 01-3229 |
| General Permit Category and Type: | Not Applicable |
| **Emissions Unit ID:** | **F003** |
| Company Equipment ID: | COLUMBUS PLANT |
| Superseded Permit Number: | 01-3229 |
| General Permit Category and Type: | Not Applicable |
| **Emissions Unit ID:** | **F006** |
| Company Equipment ID: | Extraction activities |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |

# A. Standard Terms and Conditions

**1. What does this permit-to-install and operate ("PTIO") allow me to do?**

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

**2. Who is responsible for complying with this permit?**

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

**3. What records must I keep under this permit?**

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

**4. What are my permit fees and when do I pay them?**

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee.This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

  You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee.Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

**5. When does my PTIO expire, and when do I need to submit my renewal application?**

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

**6. What happens to this permit if my project is delayed or I do not install or modify my source?**

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

**7. What reports must I submit under this permit?**

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

**8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?**

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions of this permit will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

**9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?**

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

**10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?**

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the [DO/LAA] in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

**11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?**

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

**12. What happens if one or more emissions units operated under this permit is/are shut down permanently?**

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. “Shut down” means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as beingpermanently shut down without first applying for and obtaining a permit pursuantto OAC Chapter 3745-31.

**13. Can I transfer this permit to a new owner or operator?**

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

**14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?**

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

**15. What happens if a portion of this permit is determined to be invalid?**

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

# B. Facility-Wide Terms and Conditions

1. 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).

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

      (1) None.

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

      (1) None.

# C. Emissions Unit Terms and Conditions

## 1. F001, COLUMBUS PLANT-Sand and Gravel

**Operations, Property and/or Equipment Description:**

Crushers and screens for sand and gravel plant.

a) 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.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | ORC 3704.03(T) | Emissions shall not exceed:<br><br>0.95 tons of particulate material less than 10 microns in diameter ($PM_{10}$) per month averaged over a twelve-month rolling period.<br><br>0.95 tons of particulate material less than 2.5 microns in diameter ($PM_{2.5}$) per month averaged over a twelve-month rolling period.<br><br>See b)(2)a and b)(2)c. |
| b. | OAC rule 3745-17-07(B)(1) | The visible emissions limitation specified by this rule is less stringent than the visible emission limitation established pursuant to 40 CFR Part 60, Subpart OOO. |
| c. | OAC rule 3745-17-08(B) | See b)(2)b. |

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| d. | 40 CFR Part 60, Subpart OOO | See Table 3 below, b)(2)d. |

(2) Additional Terms and Conditions

a. The monthly averaged $PM_{10}$ and $PM_{2.5}$ emission limit was established to reflect the potential to emit for this emission units. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with the long term and monthly limits.

b. The permittee shall take or install reasonably available control measure to prevent fugitive dust from becoming airborne. Such RACM shall include, but not be limited to, the use of water or other suitable dust suppression chemicals for the control of fugitive dust from crushing and screening activities.

c. For the purposes of this permit, all particulate matter less than 10 microns in diameter ($PM_{10}$) is considered particulate matter less than 2.5 microns in diameter ($PM_{2.5}$).

d. **Table 3 to Subpart OOO of Part 60—Fugitive Emission Limits**

| **For * * *** | **The owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671) * * *** | **The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used * * *** | **The owner or operator must demonstrate compliance with these limits by conducting * * *** |
|---|---|---|---|
| Affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 | 10 percent opacity | 15 percent opacity | An initial performance test according to §60.11 of this part and §60.675 of this subpart. |
| Affected facilities (as defined in §§60.670 and 60.671) that commence construction, | 7 percent opacity | 12 percent opacity | An initial performance test according to §60.11 of this part and §60.675 of this subpart; and Periodic inspections of water sprays according to §60.674(b) and |

| | | | |
|---|---|---|---|
| modification, or reconstruction on or after April 22, 2008 | | | §60.676(b); and |
| | | | A repeat performance test according to §60.11 of this part and §60.675 of this subpart within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in §60.674(b) and §60.676(b) are exempt from this 5-year repeat testing requirement. |

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping 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 of fugitive dust from the crushers and screens. The presence or absence of any visible fugitive 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 location and 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 emissions incident; and

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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.

e) Reporting Requirements

(1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to Ohio EPA, Central District Office, Division of Air Pollution Control.

(2) The permittee shall submit an annual Permit Evaluation Report (PER) to Ohio EPA Central District Office by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

(3) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(1) above:

a. all days during which any visible emissions of fugitive dust were observed from the crushers and screens; and

b. any corrective actions taken to minimize or eliminate the visible emissions.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation: 0.95 tons of particulate material less than 10 microns in diameter ($PM_{10}$) per month averaged over a twelve-month rolling period.

Applicable Compliance Method: Compliance is demonstrated through the usage of AP-42 11.19.2-2 (8/04) emission factors (4 crushers * 0.00054lb/ton PM10 * 1200tons per hour) + (2 screens * 0.00074lb/ton PM10 * 1200tons per hour) * 8760 hrs/yr / 2000lbs/ton / 12 months per year with an estimated 13% recrushed material throughput.

b. Emission Limitation: 0.95 tons of particulate less than 2.5 microns in diameter ($PM_{2.5}$) per month averaged over a twelve-month rolling period.

Applicable Compliance Method: Compliance is demonstrated through the usage of AP-42 11.19.2-2 (8/04) emission factors for $PM_{10}$ (4 crushers * 0.00054lb/ton PM10 * 1200tons per hour) + (2 screens * 0.00074lb/ton $PM_{10}$ * 1200tons per hour) * 8760 hrs/yr / 2000lbs/ton / 12 months per year with an estimated 13% recrushed material throughput.

c. Emission Limitation:Visible emissions of fugitive dust from crushing shall not exceed 12 percent opacity, visible emissions of fugitive dust from screening shall not exceed 7 percent opacityexcept as provided by rule.

Applicable Compliance Method:Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3) in accordance with the requirements specified in f)(2), below.

(2) Emission testing shall be conducted to demonstrate compliance with the allowable visible emission requirements.

a. The following test method shall be employed to demonstrate compliance with the allowable visible emission requirements:

i. PM – Method 9 of 40 CFR Part 60, Appendix A

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

b. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity unless otherwise specified or approved by Ohio EPA Central District Office.

c. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Central District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Central District Office's refusal to accept the results of the emission test(s).

d. Personnel from the Ohio EPA Central District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

e. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Central District Office 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 the Ohio EPA Central District Office.

g) Miscellaneous Requirements

(1) None.

## 2. F002, COLUMBUS PLANT

**Operations, Property and/or Equipment Description:**

Storage piles

a) 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.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3), as effective 11/30/01 | Emissions shall not exceed:<br><br>0.62 tons of particulate material less than 10 microns in diameter ($PM_{10}$) per month averaged over a twelve-month rolling period.<br><br>0.54 tons of particulate material less than 2.5 microns in diameter ($PM_{2.5}$) per month averaged over a twelve-month rolling period.<br><br>See b)(2)a. and b)(2)c. |
| b. | OAC rule 3745-31-05(A)(3), as effective 12/01/06 | See b)(2)b. |
| c. | OAC rule 3745-17-07(B)(6) | There shall be no visible emissions of fugitive dust from the material storage piles except for a period of time not to exceed 13 minutes during any 60-minute |

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| | | observation period. |
| d. | OAC rule 3745-17-08 | See b)(2)d. |

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

i. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the $PM_{2.5}$ and $PM_{10}$ emissions from this air contaminant source since the potential to emit for $PM_{2.5}$ and $PM_{10}$ is less than 10 tons per year.

c. BAT has been determined to be the use of water or suitable dust suppression chemicals to control/minimize/eliminate fugitive dust emanating from the storage piles. All sand and aggregate storage piles shall contain sufficient moisture so as to minimize or eliminate visible emissions caused by wind erosion. During the unloading onto or removal from the sand and aggregate storage piles, the drop height of the front-end loader shall be minimized in order to minimize or eliminate visible emissions of fugitive dust. Implementation of the 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.

d. The permittee shall take or install reasonably available control measure to prevent fugitive dust from becoming airborne. Such RACM shall include, but not be limited to, the use of water or other suitable dust suppression chemicals for the control of fugitive dust from the storage piles.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping 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 of fugitive dust from storage piles. The presence or absence of any visible fugitive 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 location and 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 emissions incident; and

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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.

e) Reporting Requirements

(1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to Ohio EPA, Central District Office, Division of Air Pollution Control.

(2) The permittee shall submit an annual Permit Evaluation Report (PER) to Ohio EPA Central District Office by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

(3) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(1) above:

a. all days during which any visible emissions of fugitive dust were observed for a period that exceeded one minute in any sixty-minute period from the storage piles; and

b. any corrective actions taken to minimize or eliminate the visible emissions.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:There shall be no visible emissions of fugitive dust from material storage piles except for a period of time not to exceed 13 minutes during any 60-minute observation period.

Applicable Compliance Method:Compliance with the visible emissions limitation for fugitive dust from the material storage piles areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

b. Emission Limitation:0.62 tons of particulate material less than 10 microns in diameter ($PM_{10}$) per month averaged over a twelve-month rolling period.

Applicable Compliance Method: Compliance is demonstrated through usage of AP-42 emission factors for sand and gravel extraction from 13.2.4-4 (11/06), Eq. 1 for Load-in (0.00037 lb/ton), Load-out (0.00037 lb/ton) and wind erosion (2.97 lbs/acre/day) combined with limestone extraction emissions derived from AP-42 emission factors for Load-in (0.00215 lb/ton), Load-out (0.00215 lb/ton) and wind erosion (4.19 lbs/acre/day).

c. Emission Limitation:0.54 tons of particulate material less than 2.5 microns in diameter ($PM_{2.5}$) per month averaged over a twelve-month rolling period.

Applicable Compliance Method: Compliance is demonstrated through usage of AP-42 emission factors from 13.2.4-4 (11/06), Eq. 1 for Load-in (0.000162 lb/ton), Load-out (0.000162 lb/ton) and wind erosion (2.97 lbs/acre/day) combined with limestone extraction emissions derived from AP-42 emission factors for Load-in (0.000324 lb/ton), Load-out (0.000324), and wind erosions (4.19 lbs/acre/day).

g) Miscellaneous Requirements

(1) None.

## 3. F003, COLUMBUS PLANT

**Operations, Property and/or Equipment Description:**

Sand and gravel material handling

a) 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.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | ORC 3704.03(T) | Emissions shall not exceed:<br><br>0.94 tons of particulate material less than 10 microns in diameter ($PM_{10}$) per month averaged over a twelve-month rolling period.<br><br>0.94 tons of particulate material less than 2.5 microns in diameter ($PM_{2.5}$) per month averaged over a twelve-month rolling period.<br><br>See b)(2)a. and b)(2)d. |
| b. | OAC rule 3745-17-07(B)(1) | The visible emissions limitation specified by this rule is less stringent than the visible emission limitation established pursuant to 40 CFR Part 60, Subpart OOO. |
| c. | OAC rule 3745-17-08 | See b)(2)b. |

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| d. | 40 CFR Part 60 Subpart OOO | See Table 3 below, b)(2)c. |

(2) Additional Terms and Conditions

a. The monthly averaged $PM_{10}$ emission limit was established to reflect the potential to emit for these emission units. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with the long term and monthly limits.

b. The permittee shall take or install reasonably available control measure to prevent fugitive dust from becoming airborne. Such RACM shall include, but not be limited to, the use of water or other suitable dust suppression chemicals for the control of fugitive dust from the material handling operations.

c. **Table 3 to Subpart OOO of Part 60—Fugitive Emission Limits**

| **For * * *** | **The owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671) * * *** | **The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used * * *** | **The owner or operator must demonstrate compliance with these limits by conducting * * *** |
|---|---|---|---|
| Affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 | 10 percent opacity | 15 percent opacity | An initial performance test according to §60.11 of this part and §60.675 of this subpart. |
| Affected facilities (as defined in §§60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008 | 7 percent opacity | 12 percent opacity | An initial performance test according to §60.11 of this part and §60.675 of this subpart; and Periodic inspections of water sprays according to §60.674(b) and §60.676(b); and |

| | | | |
|---|---|---|---|
| | | | A repeat performance test according to §60.11 of this part and §60.675 of this subpart within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in §60.674(b) and §60.676(b) are exempt from this 5-year repeat testing requirement. |

d. For the purposes of this permit, all particulate matter less than 10 microns in diameter ($PM_{10}$) is considered particulate matter less than 2.5 microns in diameter ($PM_{2.5}$).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping 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 of fugitive dust from the material handling operations. The presence or absence of any visible fugitive 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 location and 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 emissions incident; and

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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.

e) Reporting Requirements

(1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to Ohio EPA, Central District Office, Division of Air Pollution Control.

(2) The permittee shall submit an annual Permit Evaluation Report (PER) to Ohio EPA Central District Office by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

(3) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(1) above:

a. all days during which any visible emissions of fugitive dust were observed for a period that exceeded one minute in any sixty-minute period from the material handling operations; and

b. any corrective actions taken to minimize or eliminate the visible emissions.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:Visible emissions of fugitive dust shall not exceed 7 percent opacity except as provided by rule

Applicable Compliance Method:Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

b. Emission Limitation: 0.94 tons of particulate material less than 10 microns in diameter ($PM_{10}$) per month averaged over a twelve-month rolling period.

Applicable Compliance Method: Compliance is demonstrated though the use of AP-42 11.19.2-2 (8/04) emission factors for conveying and AP-42 13.2.4-1 for truck unloading as follows: (36 conveying points * 0.000046lb $PM_{10}$/ton * 3,000,000 tons per year) + (1 truck * 0.0024lb $PM_{10}$/ton * 3,000,000 tons per year)

c. Emission Limitation: 0.94 tons of particulate material less than 2.5 microns in diameter ($PM_{2.5}$) per month averaged over a twelve-month rolling period.

Applicable Compliance Method: Compliance is demonstrated though the use of AP-42 11.19.2-2 (8/04) emission factors for conveying and AP-42 13.2.4-1 for truck unloading for $PM_{10}$ as follows: (36 conveying points * 0.000046lb $PM_{10}$/ton * 3,000,000 tons per year) + (1 truck * 0.0024lb $PM_{10}$/ton * 3,000,000 tons per year)

g) Miscellaneous Requirements

(1) None.

**4. F006, Extraction activities**

**Operations, Property and/or Equipment Description:**

Mineral Extraction

a) 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.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | ORC 3704.03(T) | BAT has been determined to be the work practices contained in Table 1 below, b)(2)a.<br><br>See b)(2)f. |
| b. | OAC rule 3745-17-07(B)(1) | Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average.<br><br>See b)(2)c. |
| c. | OAC rule 3745-17-08 | See b)(2)e. |

(2) Additional Terms and Conditions

a. **Work practices for BAT compliance for mineral extraction activities, Table 1**

| **Mineral Extraction Operation** | **Control Measure(s)** * |
|---|---|
| overburden removal | minimize area of disturbed land surface; reclaim land surface as expeditiously as possible; maintenance of inherent moisture content with water truck |
| soil removal by truck | minimize area of land disturbance, water application as necessary |
| overburden replacement | reclamation/vegetation practices; water application as necessary |
| overburden loading | prevent haul vehicle overloading, maintain low drop height from front end loader bucket |
| mineral loading | prevent haul vehicle overloading, maintain low drop height from front end loader bucket |
| blasting | minimize area to be blasted and prevention of overshooting |
| drilling | use of a drill rig to control emissions |
| bulldozing | reclamation/vegetation practices; water application as necessary |
| grading | reclamation/vegetation practices; water application as necessary |

b. For each mineral extraction operation, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures(s) shall continue during the mineral extraction operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

c. Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from the following mineral extraction operations: overburden removal, soil removal, overburden replacement, overburden loading, mineral loading, drilling, bulldozing, and grading.

d. It should be noted that blasting at a mineral extraction facility is exempt from the opacity restriction per OAC rule 3734-17-07(B)(11).

e. The permittee shall take or install reasonably available control measure to prevent fugitive dust from becoming airborne. Such RACM shall include, but not be limited to, the use of water or other suitable dust suppression chemicals for the control of fugitive dust from the mineral extraction operations.

f. For the purposes of this permit, all particulate matter less than 10 microns in diameter ($PM_{10}$) is considered particulate matter less than 2.5 microns in diameter ($PM_{2.5}$).

c) Operational Restrictions

(1) The permittee shall not exceed the operational restrictions:

<u>OperationsThroughput (TPY unless noted otherwise)</u>

| | | |
|---|---|---|
| a. | Drilling | 8000 holes/yr |
| b. | Blasting | 150 blasts/yr |
| c. | Overburden removal | 66,667 yards$^3$ |
| d. | Soil removal | 300 miles/yr |
| e. | Overburden replacement | 100,000 |
| f. | Overburden loading | 100,000 |
| g. | Mineral loading | 5,000,000 |
| h. | Bulldozing | 1000 hrs/yr |

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, for mineral extraction operations that are not adequately enclosed, the permittee shall perform visible emission inspections of such operations during representative, normal operating conditions in accordance with the following minimum frequencies:

| **Mineral Extraction Operation** | **Minimum Inspection Frequency** |
|---|---|
| overburden removal | once per day of operation |
| soil removal | once per day of operation |
| overburden replacement | once per day of operation |
| overburden loading | once per day of operation |

| | |
|---|---|
| mineral loading | once per day of operation |
| drilling | once per day of operation |
| bulldozing | once per day of operation |
| grading | once per day of operation |

(2) The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);

c. the dates the control measure(s) was (were) implemented; and

d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in (d) shall be kept separately for each mineral extraction operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

(3) The permittee shall maintain the following monthly blasting records:

a. the date that each blast occurred;

b. the total number of blasts each month;

c. the tons of mineral/stone processed each month; and

d. the annual, year-to-date, number of blasts, and estimated tons processed [sum of (b) and (c) respectively, for each calendar month to date from January to December].

(4) The permittee shall perform a weekly inspection of the emissions unit and document the following for the purpose of demonstrating compliance with the applicable work practice standards:

a. verification that disturbed areas are minimized and are treated with water/reclaimed expeditiously;

b. verification that vehicles are not overloaded;

c. verification that drop heights are minimized;

d. verification that blasting area is minimized and overshooting is prevented; and

e. usage of a drill rig to control emissions.

e) Reporting Requirements

(1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to Ohio EPA, Central District Office, Division of Air Pollution Control.

(2) The permittee shall submit an annual Permit Evaluation Report (PER) to Ohio EPA Central District Office by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

(3) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for term numbers d) (1), (2), and (3) above:

a. each day during which an inspection was not performed by the required frequency;

b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented;

c. the total number of blasts for the previous calendar year; and

d. the total mineral throughput (i.e. the amount of stone loaded into trucks), in tons, for the previous calendar year.

(4) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. any week during which the permittee did not perform the work practice standards inspection.

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director of Central District Office.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:Visible emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average from the following mineral extraction operations: overburden removal, soil removal, overburden replacement, overburden loading, mineral loading, drilling, bulldozing, and grading.

Applicable Compliance Method:If required, compliance shall be determined in accordance with U.S. EPA Method 9, with the following modifications:

i. the data reduction and average opacity calculation shall be based upon sets of twelve consecutive visible emission observations recorded at 15-second intervals;

ii. opacity observations shall be made from a position that provides the observer a clear view of the emissions unit and the fugitive dust, with the sun behind the observer;

iii. where possible, visible opacity observations shall be conducted at a position of at least fifteen feet from the source of emissions and the line of sight should be approximately perpendicular to the flow of fugitive dust and to the longer axis of the emissions; and

iv. the visible opacity observations shall be made for the point of highest opacity within the fugitive dust emitted from the source.

g) Miscellaneous Requirements

(1) None.