



Environmental
Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

5/3/2011

Arnold Miller
D&D Ingredient Distributors Inc.
5025 North Kill Road
Delphos, OH 45833

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0302012003
Permit Number: P0107798
Permit Type: Initial Installation
County: Allen

Certified Mail

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

Dear Permit Holder:

Enclosed please find a final 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. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI 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
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: Ohio EPA-NWDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
D&D Ingredient Distributors Inc.**

Facility ID:	0302012003
Permit Number:	P0107798
Permit Type:	Initial Installation
Issued:	5/3/2011
Effective:	5/3/2011
Expiration:	5/3/2021



Division of Air Pollution Control
Permit-to-Install and Operate
for
D&D Ingredient Distributors Inc.

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 11
2. F002 15
3. G001..... 19
4. P001 21
5. P901 27
6. P902 33

Authorization

Facility ID: 0302012003

Application Number(s): A0041494

Permit Number: P0107798

Permit Description: Initial Permit to Install and Operate (PTIO) for a facility which produces animal feed ingredients. Emissions units installed between 1989 and 2010. Company requested to be permitted and sought assistance through the Office of Compliance Assistance and Pollution Prevention (OCAPP).

Permit Type: Initial Installation

Permit Fee: \$3,000.00

Issue Date: 5/3/2011

Effective Date: 5/3/2011

Expiration Date: 5/3/2021

Permit Evaluation Report (PER) Annual Date: July 1 - June 30, Due Aug 15

This document constitutes issuance to:

D&D Ingredient Distributors Inc.
5025 North Kill Road
Delphos, OH 45833

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

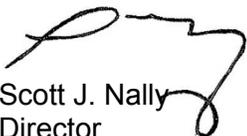
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

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


Scott J. Nally
Director



Authorization (continued)

Permit Number: P0107798

Permit Description: Initial Permit to Install and Operate (PTIO) for a facility which produces animal feed ingredients. Emissions units installed between 1989 and 2010. Company requested to be permitted and sought assistance through the Office of Compliance Assistance and Pollution Prevention (OCAPP).

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:	F001
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	F002
Company Equipment ID:	F002
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	G001
Company Equipment ID:	G001
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P001
Company Equipment ID:	P001
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P901
Company Equipment ID:	P901
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	P902
Company Equipment ID:	P902
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. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. 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 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 Ohio EPA DAPC, Northwest District Office 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 submitting¹ 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 emissions 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 being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

¹Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

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

Operations, Property and/or Equipment Description:

Unpaved roadways and parking areas

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)	15.1 tons fugitive particulate emissions (PE)/yr No visible PE, except for a period of time not to exceed 3 minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. through b)(2)g.
b.	OAC rule 3745-17-07(B)	See b)(2)h.
c.	OAC rule 3745-17-08(B)	See b)(2)i.

- (2) Additional Terms and Conditions
- a. The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:
 - i. All unpaved roadways and parking areas including those surrounding the grinding, shop, office, and rail areas.
 - b. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to treat the unpaved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
 - c. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for unpaved roadways and parking areas that are 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 any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
 - d. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
 - e. Any unpaved roadway or parking area that is subsequently paved, will require a Permit to Install/Operate (PTIO) for paved roadways and parking areas.
 - f. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
 - g. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
 - h. This emissions unit is exempt from the visible particulate emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
 - i. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:

<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
---	-------------------------------------

all roads and parking areas	daily
-----------------------------	-------

- (2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area 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. 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.

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

- 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;
- the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
- the dates the control measures were implemented; and
- on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(3)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

The permittee shall identify in the annual PER the following occurrences concerning inspection and control measure requirements:

- 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.

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emission Limitations:

15.1 tons/year of fugitive PE from unpaved roadways and parking areas

Applicable Compliance Method:

Compliance with fugitive PE limitation shall be determined by using the emission factor equations in Section 13.2.2, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for unpaved roadways. Should further updates in AP-42 occur, the most current equations for unpaved roads shall be used. These emission limits were based on a maximum of 3,619 vehicle miles traveled per year, a mean vehicle weight of 40 tons, and surface material silt content of 4.8%.

b. Emission Limitation:

No visible PE from unpaved roadways and parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed 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").

g) Miscellaneous Requirements

(1) None.



2. F002

Operations, Property and/or Equipment Description:

Rail receiving to truck load out: Rail car receiving pit, Truck load out building

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)	<u>Rail car receiving pit:</u> 4.2 tons fugitive particulate emissions (PE)/yr Visible fugitive PE shall not exceed 20% opacity, as a three-minute average from the rail car receiving pit. <u>Truck load out:</u> 5.65 tons fugitive PE/yr Visible fugitive PE shall not exceed 20% opacity, as a three-minute average from the load out operation.
b.	OAC rule 3745-17-07(B)	See b)(2)b.
c.	OAC rule 3745-17-08(B)	See b)(2)c.

- (2) Additional Terms and Conditions
- a. The Best Available Technology (BAT) requirements for this emissions unit have been determined to be use of a building enclosure for the truck load out, and compliance with the terms and conditions of the permit.
 - b. This emissions unit is exempt from the visible particulate emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
 - c. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- 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 fugitive particulate emissions from the rail car receiving or truck loadout operations. 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 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 emission incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(1)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

The permittee shall also 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 abnormal visible fugitive particulate emissions were observed; and
- b. any corrective actions taken to minimize or eliminate the abnormal visible fugitive particulate emissions.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emission Limitations:

4.2 tons fugitive PE/yr from the rail car receiving pit

Applicable Compliance Method:

The annual limitation was developed by multiplying the maximum throughput of 30 tons/hr by the AP-42 emissions factor of 0.032 lb PE/ton [Table 9.9.1-1 (update 3/2003)], and then applying conversion factors of 8760 hours/yr and 2000 lbs/ton.

b. Emission Limitations:

5.65 tons fugitive PE/yr from the truck load out operation

Applicable Compliance Method:

The annual limitation was developed by multiplying the maximum throughput of 30 tons/hr by the AP-42 emissions factor of 0.086 lb PE/ton [Table 9.9.1-1 (update 3/2003)], multiplying by the control efficiency of 0.5 for the building enclosure, and then applying conversion factors of 8760 hours/yr and 2000 lbs/ton.

c. Emission Limitations:

Visible fugitive PE shall not exceed 20% opacity, as a three-minute average from the rail car receiving pit or the load out operation.



Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

g) Miscellaneous Requirements

- (1) None.



3. G001

Operations, Property and/or Equipment Description:

Fuel dispensing facility

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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Row a: OAC rule 3745-31-05(A)(3), 0.29 tons volatile organic compounds (VOC)/year. Row b: OAC rule 3745-21-09(R), See b)(2)c.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements for this emissions unit have been determined to be compliance with the terms and conditions of this permit.

b. This emissions unit includes the following fuel dispensing tanks:

- i. One 500 gallon gasoline tank;
ii. One 300 gallon kerosene tank;
iii. One 500 gallon off-road diesel tank; and

- iv. One 500 gallon diesel tank.
 - c. This emissions unit is exempt from the requirements of OAC rule 3745-21-09(R) pursuant to OAC rule 3745-21-09(R)(4)(a), since the annual throughput of gasoline is less than 120,000 gallons.
- c) Operational Restrictions
- (1) The annual throughput for any rolling 12-month period shall not exceed 50,000 gallons of gasoline or other motor fuel.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain monthly records of the gasoline and/or other motor fuel throughput. Each month's record shall be added to the record for the previous 11 months and the rolling 12-month gasoline and/or other motor fuel throughput shall be used to demonstrate the GDF meets the operational restriction in c)(1). These records shall be retained by the permittee for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours.
- e) Reporting Requirements
- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.
- f) Testing Requirements
- (1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:
 - a. Emission Limitations:
0.29 tons VOC/yr
 - Applicable Compliance Method:
The annual VOC emission limitation was developed by multiplying the annual fuel throughput limitation of 50,000 gallons, by the AP-42 emissions factor for splash fill, of 11.5 lbs VOC/1000 gallons [Table 5.2-7 (revised 6/08)], and multiplying by the conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the annual fuel throughput restriction of this permit, compliance with the annual VOC emission limitation shall also be demonstrated.
- g) Miscellaneous Requirements
- (1) None.

4. P001

Operations, Property and/or Equipment Description:

Grinding Process Area: N-Line. Truck receiving w/bagging operation conveyance to storage bins, 0.5 mm BTU LPG grain dryer, 2 hammer mills/grinders, 3 truck load out drops

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)	<p><u>Truck receiving with bagging, and conveyance to storage bins:</u> 0.075 lbs particulate emissions (PE)/hr and 0.33 tons PE/yr</p> <p>Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the truck receiving with bagging, and conveyance operations.</p> <p><u>LPG grain dryer:</u> 0.01 tons PE/yr 0.31 tons NOx/yr (from the combustion of LPG) 0.18 tons CO/yr (from the combustion of LPG)</p> <p>Visible PE shall not exceed 0% opacity,</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>as a six-minute average from the stack serving the grain dryer.</p> <p><u>Hammer mills/grinders:</u> 0.0004 lbs PE/hr and 0.002 ton PE/yr</p> <p>Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the milling/grinding operation.</p> <p><u>Load out with 3 drops:</u> 0.024 lbs PE/hr and 0.11 tons PE/yr</p> <p>Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the load out operation.</p>
b.	OAC rule 3745-17-07(B)	See b)(2)b.
c.	OAC rule 3745-17-11(B)	See b)(2)c.

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) requirements for this emissions unit have been determined to be the following:
 - i. Use of a cyclone for the truck receiving with bagging, and conveyance to storage bins operation;
 - ii. Use of a cyclone for the LPG grain dryer;
 - iii. Use of a baghouse for the hammer mills/grinders; and
 - iv. Use of a baghouse for the load out with 3 drops.
- b. The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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 particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
- a. the 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 emission incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(1)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

The permittee shall also 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 abnormal visible particulate emissions were observed from the stacks serving this emissions unit; and
- b. any corrective actions taken to minimize or eliminate the abnormal visible particulate emissions.

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emission Limitations:

0.075 lbs PE/hr and 0.33 tons PE/yr from the truck receiving with bagging, and conveyance to storage bins operation

Applicable Compliance Method:

The hourly PE limitation was developed by multiplying the maximum throughputs of 4 tons/hr for receiving and 10 tons/hr for handling/conveyance, by the AP-42 emissions factors of 0.035 lb PE/ton (receiving) and 0.061 lbs PE/ton (handling/conveyance) [Table 9.9.1-1 (update 3/2003)] respectively, and then multiplying the lbs PE/hr results for each process by the control efficiency of 0.1 for the cyclone. The results were then summed for the lbs/hr emission limit. If required, compliance shall demonstrate in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 – 5.

The annual limitation was developed by multiplying the hourly limitation by 8760 hours/yr and applying a conversion factor of 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual limitation shall also be demonstrated.

b. Emission Limitations:

0.01 tons PE/yr from the grain dryer

Applicable Compliance Method:

The annual PE limitation was developed by multiplying the maximum throughput of 900 tons/year, the AP-42 emission factor of 0.22 lb PE/ton [Table 9.9.1-1 (update 3/2003)], and a control efficiency of 0.1 for the cyclone, and then dividing by 2000 lbs/ton.

c. Emission Limitations:

0.0004 lbs PE/hr and 0.002 ton PE/yr from the hammer mills/grinders

Applicable Compliance Method:

The hourly PE limitation was developed by multiplying the maximum throughput of 3.46 tons/hr for the hammermills/grinders, by the AP-42 emission factor of 0.012 lb PE/ton [Table 9.9.1-2 (update 3/2003)], and then multiplying by the control efficiency of 0.01 for the baghouse. If required, compliance shall demonstrate in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 – 5.

The annual limitation was developed by multiplying the hourly limitation by 8760 hours/yr and applying a conversion factor of 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual limitation shall also be demonstrated.

d. Emission Limitations:

0.024 lbs PE/hr and 0.11 tons PE/yr from the load-out with 3 drops

Applicable Compliance Method:

The hourly PE limitation was developed by multiplying the maximum throughput of 28 tons/hr for the hammermills/grinders, by the AP-42 emission factor of 0.086 lb PE/ton [Table 9.9.1-1 (update 3/2003)], and then multiplying by the control efficiency of 0.01 for the baghouse. If required, compliance shall demonstrate in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 – 5.

The annual limitation was developed by multiplying the hourly limitation by 8760 hours/yr and applying a conversion factor of 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual limitation shall also be demonstrated.

e. Emission Limitations:

0.31 tons NOx/year (from the combustion of LPG)

Applicable Compliance Method:

The annual NOx limitation was developed by multiplying the maximum LPG usage of 5.46 gal/hr, the AP-42 emission factor for LPG of 13.0 lbNOx/gal [Table 1.5-1 (revised 7/08)] and a maximum operational schedule of 8760 hours, then dividing by 2000 lbs/ton.

f. Emission Limitations:

0.18 tons CO/year (from the combustion of LPG)

Applicable Compliance Method:

The annual CO limitation was developed by multiplying the maximum LPG usage of 5.46 gal/hr, the AP-42 emission factor for LPG of 7.5 lb CO/1000 gal [Table 1.5-1 (revised 7/08)] and a maximum operational schedule of 8760 hours, then dividing by 2000 lbs/ton.

g. Emission Limitations:

Visible PE shall not exceed 0% opacity, as a six-minute average from the stacks serving this emissions unit.



Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 of 40 CFR, Part 60, Appendix A.

g) Miscellaneous Requirements

- (1) None.



5. P901

Operations, Property and/or Equipment Description:

Blending process area: truck receiving pit; conveyance to storage, mixing, blending and bagging; truck load out w/ 3-sided enclosure

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(F)	<p><u>Truck receiving and conveyance to storage bins:</u> 0.002 lbs particulate matter less than 10 microns in diameter (PM10)/hr and 0.009 tons PM10/yr</p> <p>Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the truck receiving and conveyance to storage bins operation.</p> <p><u>Mixing/blending/bagging:</u> 0.0007 lbs PM10/hr and 0.003 ton PM10/yr</p> <p>Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the milling/grinding operation.</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<u>Truck loading with 3-sided enclosure:</u> 2.28 tons fugitive PM10/yr Visible fugitive PE shall not exceed 20% opacity, as a three-minute average from the load out operation. See b)(2)a.
	OAC rule 3745-31-05(A)(3), as effective 11/30/01	See b)(2)b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)c.
c.	OAC rule 3745-17-11(B)	See b)(2)d.
d.	OAC rule 3745-17-07(A)	See b)(2)e.
e.	OAC rule 3745-17-07 (B)	See b)(2)f.
f.	OAC rule 3745-17-08 (B)	See b)(2)g.

(2) Additional Terms and Conditions

- a. This permit establishes the following legally and practically enforceable emission limitations for the purpose of limiting potential to emit (PTE). The legally and practically enforceable emission limitations are voluntary restrictions established under OAC rule 3745-31-05(F) and are based on the operational restrictions contained in c)(1):
 - i. 0.002 lbs PM10/hr and 0.009 tons PM10/yr for the truck receiving and conveyance to storage bins operation;
 - ii. Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the truck receiving and conveyance to storage bins operation;
 - iii. 0.0007 lbs PM10/hr and 0.003 ton PM10/yr for the mixing/blending/bagging operation;
 - iv. Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the milling/grinding operation;
 - v. 2.28 tons fugitive PM10/yr for the truck loading operation; and
 - vi. Visible fugitive PE shall not exceed 20% opacity, as a three-minute average from the load out operation.
- b. Best Available Technology (BAT) requirements for this emissions unit have been determined to be compliance with the voluntary restrictions established in accordance with OAC rule 3745-31-05(F) [see b)(2)a.]. The voluntary restrictions

were intentionally established to be consistent with the BAT requirements under OAC rule 3745-31-05(A)(3), as effective 11/30/01 for two specific purposes as indicated below:

- i. BAT requirements under OAC rule 3745-31-05(A)(3), as effective 11/30/01 would be fulfilled by compliance with the voluntary restrictions;
- ii. The emissions unit will avoid any BAT requirements under OAC rule 3745-31-05(A)(3), as effective 12/01/06 [see b)(2)c.].

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.

It should be noted that the requirements established pursuant to OAC rule 3745-31-05(F) will remain applicable after the above SIP revisions are approved by U.S. EPA.

- c. This 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.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05 (A)(3)(a) do not apply to the emissions of PM10 since the potential to emit, taking into account the voluntary restriction, is less than 10 tons per year.

- d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(F).
- e. The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(F).
- f. This emissions unit is exempt from the visible particulate emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07 (B)(11)(e).
- g. This facility is not located within an "Appendix A" area identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B).

c) Operational Restrictions

- (1) The following operational restrictions have been included in this permit for the purpose of establishing legally and practically enforceable limitation requirements which limit PTE [See b)(2)a.]:
 - a. the truck receiving and conveyance to storage bins operation shall be vented to a baghouse which achieves a 99% control efficiency;
 - b. the mixing/blending/bagging operation shall be vented to a baghouse which achieves a 99% control efficiency; and
 - c. the truck loading operation shall be controlled by a 3-sided enclosure.

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 fugitive visible particulate emissions from the truck loading operation, or any visible particulate emissions from the stacks serving the truck receiving and conveyance to storage bins operation and the mixing/blending/bagging operation. 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 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 emission incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(1)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

The permittee shall also 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 abnormal visible particulate emissions were observed from the stack serving this emissions unit;
- b. all days during which any abnormal visible fugitive particulate emissions were observed from this emissions unit; and
- c. any corrective actions taken to minimize or eliminate the abnormal visible fugitive or stack particulate emissions.

f) Testing Requirements

- (1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emission Limitations:

0.002 lbs PE/hr and 0.009 tons PE/yr for the truck receiving and conveyance to storage bins operation

Applicable Compliance Method:

The hourly PM10 limitation was developed by multiplying the maximum throughput of 20 tons/hr for receiving by the AP-42 emissions factors of 0.0078 lb PM10/ton [Table 9.9.1-1 (update 3/2003)], and then multiplying by the control efficiency of 0.01 for the baghouse. If required, compliance shall demonstrate in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 – 4, and 40 CFR Part 51, Appendix M, Method 201/201A and 202.

The annual limitation was developed by multiplying the hourly limitation by 8760 hours/yr and applying a conversion factor of 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual limitation shall also be demonstrated.

b. Emission Limitations:

0.0007 lbs PM10/hr and 0.003 ton PM10/yr for the mixing/blending/bagging operation

Applicable Compliance Method:

The hourly PM10 limitation was developed by multiplying the maximum throughput of 3.46 tons/hr for receiving by the AP-42 emissions factors of 0.012

lb PE/ton [Table 9.9.1-2 (update 3/2003)], and then multiplying by the control efficiency of 0.01 for the baghouse. (All PE is considered to be PM10). If required, compliance shall demonstrate in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 – 4, and 40 CFR Part 51, Appendix M, Method 201/201A and 202.

The annual limitation was developed by multiplying the hourly limitation by 8760 hours/yr and applying a conversion factor of 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance with the annual limitation shall also be demonstrated.

c. Emission Limitations:

2.28 tons fugitive PM10/yr for the truck loading operation

Applicable Compliance Method:

The annual PM10 limitation was developed by multiplying the maximum throughput of 36 tons/hr for receiving by the AP-42 emissions factors of 0.029 lb PM10/ton [Table 9.9.1-1 (update 3/2003)], multiplying by the control efficiency of 0.5 for the building enclosure, and then applying conversion factors of 8760 hours/yr and 2000 lbs/ton.

Emission Limitations:

Visible PE shall not exceed 0% opacity, as a six-minute average from the stacks serving the truck receiving and conveyance to storage bins operation and the mixing/blending/bagging operation.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 of 40 CFR, Part 60, Appendix A.

d. Emission Limitations:

Visible fugitive PE shall not exceed 20% opacity, as a three-minute average from the truck loading operation.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 of 40 CFR, Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.



6. P902

Operations, Property and/or Equipment Description:

Mosaic Process Area: Rail receiving area to storage, bagging bins or bagging area; Truck receiving area to storage, bagging bins or bagging area; Truck load out.

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)	<u>Rail receiving area to storage, bagging bins or bagging area:</u> 7.01 tons fugitive particulate emissions (PE)/yr and 1.71 tons fugitive particulate matter less than 10 microns in diameter (PM10)/yr Visible fugitive PE shall not exceed 20% opacity, as a three-minute average from the rail receiving area to storage, bagging bins or bagging area operation. <u>Truck receiving area to storage, bagging bins or bagging area:</u> 0.009 lbs PE/hr and 0.04 tons PE/yr 0.002 lbs PM10/hr and 0.009 tons PM10/yr



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the truck receiving area to storage, bagging bins or bagging area. <u>Truck load out:</u> 0.043 lbs PE/hr and 0.19 tons PE/yr 0.015 lbs PM10/hr and 0.066 tons PM10/yr Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the truck load out operation.
b.	OAC rule 3745-17-07(B)	See b)(2)b.
c.	OAC rule 3745-17-11(B)	See b)(2)c.
d.	OAC rule 3745-17-07 (B)	See b)(2)d.
e.	OAC rule 3745-17-08 (B)	See b)(2)e.

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) requirements for this emissions unit have been determined to be the following:
 - i. Use of a two-sided enclosure for the rail receiving area to storage, bagging bins or bagging area operation;
 - ii. Use of a baghouse for the truck receiving area to storage, bagging bins or bagging area operation; and
 - iii. Use of a four-sided enclosure with baghouse for the truck load out operation.
- b. The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- d. This emissions unit is exempt from the visible particulate emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07 (B)(11)(e).
- e. This facility is not located within an "Appendix A" area identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B).

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 fugitive visible particulate emissions from the rail receiving area to storage, bagging bins or bagging area operation; or any visible particulate emissions from the stacks serving the truck receiving area to storage, bagging bins or bagging area, and the truck load out operation. 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 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 emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d)(1)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

The permittee shall also 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 abnormal visible particulate emissions were observed from the stack serving this emissions unit;

- b. all days during which any abnormal visible fugitive particulate emissions were observed from this emissions unit; and
 - c. any corrective actions taken to minimize or eliminate the abnormal visible fugitive or stack particulate emissions.
- f) Testing Requirements
- (1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:
 - a. Emission Limitations:
7.01 tons PE/yr and 1.71 tons PM10/yr from the rail receiving area to storage, bagging bins or bagging area

Applicable Compliance Method:

The annual limitations were developed by multiplying the maximum throughput of 100 tons/hr by the AP-42 emissions factors of 0.032 lb PE/ton and 0.0078 lbs PM10/ton [Table 9.9.1-1 (update 3/2003)], multiplying by the control efficiency of 0.5 for the building enclosure, and then applying conversion factors of 8760 hours/yr and 2000 lbs/ton.
 - b. Emission Limitations:
0.009 lbs PE/hr and 0.04 tons PE/yr; 0.002 lbs PM10/hr and 0.009 tons PM10/yr from the stack serving the truck receiving area to storage, bagging bins or bagging area

Applicable Compliance Method:

The hourly PE limitations were developed by multiplying the maximum throughput for receiving of 26 tons/hr by the AP-42 emissions factors of 0.035 lb PE/ton and 0.0078 lbs PM10/ton [Table 9.9.1-1 (update 3/2003)], and then multiplying by the control efficiency of 0.01 for the baghouse. If required, compliance shall demonstrate in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 – 5 for PE, and 40 CFR, Part 51, Appendix M, Methods 201/201A and 202 for PM10.

The annual limitations were developed by multiplying the hourly limitation by 8760 hours/yr and applying a conversion factor of 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance with the annual limitations shall also be demonstrated.
 - c. Emission Limitations:
0.043 lbs PE/hr and 0.19 tons PE/yr; 0.015 lbs PM10/hr and 0.066 tons PM10/yr from the truck load out

Applicable Compliance Method:

The hourly limitations were developed by multiplying the maximum throughput of 50 tons/hr by the AP-42 emissions factors of 0.086 lb PE/ton and 0.029 lbs PM10/ton [Table 9.9.1-1 (update 3/2003)], and then multiplying by the control efficiency of 0.01 for the baghouse. If required, compliance shall demonstrate in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 – 5 for PE, and 40 CFR, Part 51, Appendix M, Methods 201/201A and 202 for PM10.

The annual limitations were developed by multiplying the hourly limitations by 8760 hours/yr and applying a conversion factor of 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance with the annual limitations shall also be demonstrated.

d. Emission Limitations:

Visible PE shall not exceed 0% opacity, as a six-minute average from the stack serving the truck receiving area to storage, bagging bins or bagging area and from the stack serving the truck load-out operation.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 of 40 CFR, Part 60, Appendix A.

e. Emission Limitations:

Visible fugitive PE shall not exceed 20% opacity, as a three-minute average from the rail receiving area to storage, bagging bins or bagging area.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed above shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 of 40 CFR, Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.