



State of Ohio Environmental Protection Agency

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Columbus, OH 43216-1049

2/3/2010

Certified Mail

STEVEN TURNER
TURNER VAULT COMPANY
2121 TRACY ROAD
NORTHWOOD, OH 43619

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0387000390
Permit Number: P0087903
Permit Type: Renewal
County: Wood

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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.ohio.gov/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.ohio.gov/dapc.

Sincerely,

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

Cc: Ohio EPA-NWDO

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
TURNER VAULT COMPANY**

Facility ID: 0387000390
Permit Number: P0087903
Permit Type: Renewal
Issued: 2/3/2010
Effective: 2/3/2010
Expiration: 2/3/2020



Air Pollution Permit-to-Install and Operate
for
TURNER VAULT COMPANY

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State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0087903
Facility ID: 0387000390
Effective Date: 2/3/2010

Authorization

Facility ID: 0387000390
Application Number(s): A0018992
Permit Number: P0087903
Permit Description: Renewal PTIO for a sand and aggregate transfer to (2) underground storage bins/cement unloading to underground storage silo [P901] and weigh hopper loading and paddle mixer loading [P902]
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 2/3/2010
Effective Date: 2/3/2010
Expiration Date: 2/3/2020
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

TURNER VAULT COMPANY
2121 Tracy Road
TOLEDO, OH 43607

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

Chris Korleski
Director



Authorization (continued)

Permit Number: P0087903
Permit Description: Renewal PTIO for a sand and aggregate transfer to (2) underground storage bins/cement unloading to underground storage silo [P901] and weigh hopper loading and paddle mixer loading [P902]

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

- | | |
|-----------------------------------|--|
| Emissions Unit ID: | P901 |
| Company Equipment ID: | cement unloading to outdoor silo; sand and aggregate transfe |
| Superseded Permit Number: | 03-13921 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | P902 |
| Company Equipment ID: | weigh hopper loading; cement mixer loading |
| Superseded Permit Number: | 03-13921 |
| General Permit Category and Type: | Not Applicable |



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087903

Facility ID: 0387000390

Effective Date: 2/3/2010

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 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 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 being permanently shut down without first applying for and obtaining a permit pursuant to 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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087903

Facility ID: 0387000390

Effective Date: 2/3/2010

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087903

Facility ID: 0387000390

Effective Date: 2/3/2010

B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087903

Facility ID: 0387000390

Effective Date: 2/3/2010

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087903

Facility ID: 0387000390

Effective Date: 2/3/2010

C. Emissions Unit Terms and Conditions



1. P901, cement unloading to outdoor silo; sand and aggregate transfer

Operations, Property and/or Equipment Description:

cement unloading to outdoor silo; sand and aggregate transfer to 2 indoor underground bins

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 operations(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. 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
<i>Sand and Aggregate Transfer to Two Indoor, Underground Storage Bins</i>		
a.	OAC rule 3745-31-05(A)(3)	0.76 ton fugitive particulate emissions (PE)/yr Visible fugitive PE shall not exceed 20% opacity, as a three-minute average Control Requirements [See b)(2)a.i.]
b.	OAC rule 3745-17-07(B)	See b)(2)b.
c.	OAC rule 3745-17-08(B)	See b)(2)c.
<i>Cement Unloading to Outdoor Storage Silo</i>		
d.	OAC rule 3745-31-05(A)(3)	0.01 lb PE/hr and 0.04 ton PE/yr from the stack Control Requirements [See b)(2)a.ii.] See b)(2)d.
e.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
f.	OAC rule 3745-17-11(B)	See b)(2)e.



(2) Additional Terms and Conditions

- a. "Best Available Technology" (BAT) control requirements for emissions unit P901 have been determined to be the following:
 - i. Use of permanent total enclosure around fugitive particulate emissions operations.
 - ii. Use of a baghouse (filter "sock") for pneumatic unloading of cement. The baghouse shall achieve a 99.9 percent removal efficiency (100 percent capture).
- b. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- c. This 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 emission unit is exempt from the requirements of OAC rule 3745-17-08(B).
- d. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
- e. The emission limitation established by this rule is less stringent than the limitations established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

- (1) The annual throughput of sand and aggregate transferred to 2 indoor, underground storage bins shall not exceed 175,200 tons.

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 stack (fabric "sock") and for any visible fugitive particulate emissions from the permanent total enclosure around fugitive particulate emissions 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 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) 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 the 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.

- (2) The permittee shall collect and record the following information each month:
 - a. the total tons per month of sand and aggregate transferred to 2 underground bins; and
 - b. the annual, year to date, tons of sand and aggregate transferred to 2 underground bins [sum of d)(1)a.] for each calendar month to date from January to December.

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.
- (2) 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 fugitive particulate emissions from the permanent total enclosure around the fugitive particulate emissions operations were observed from this emission unit; and
 - b. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.
- (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 particulate emissions were observed from the stack (fabric "sock") serving this emission unit; and
 - b. any corrective actions taken to eliminate the visible particulate emissions.

f) Testing Requirements

- (1) Compliance with the emission limitations specified in section b)(1) shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.76 ton fugitive PE/yr from sand and aggregate transfer to 2 underground bins



Applicable Compliance Method: The emission limitation was established by multiplying a maximum annual throughput of sand and aggregate transferred of 175,200 tons/year, the appropriate emission factor from AP-42 Table 11.12-2, revised 10/1986 (0.029 pound PE/ton), applying a control efficiency of 70% for total enclosure and dividing by 2000 pounds/ton. Therefore, provided compliance is shown with the annual throughput of sand and aggregate transferred, compliance with the fugitive PE emission limitation will be assumed. Compliance with the annual throughput of sand and aggregate transferred shall be demonstrated by the monitoring and recordkeeping in section d)(2).

- b. Emission Limitation: Visible fugitive PE shall not exceed 20% opacity, as a three-minute average from sand and aggregate transfer to 2 underground bins

Applicable Compliance Method: If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

- c. Emission Limitation: 0.01 pound PE/hour and 0.04 ton PE/year from cement unloading to storage silo (stack emissions)

Applicable Compliance Method: The hourly PE limitation is based on the emissions unit's potential to emit*. Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation. If required, testing shall be performed in accordance with Methods 1 – 5 of 40 CFR, Part 60, Appendix A.

*The potential to emit for this emissions unit was determined by multiplying the maximum amount of cement unloaded (50 tons/hour) by the appropriate emission factor from AP-42 Table 11.12-2, revised 10/1986 (0.27 pound PE/ton), and applying a control efficiency of 99.9% for use of a fabric "sock".

The annual emission limitation was developed by multiplying the pound/hour emission limitation by the maximum operating schedule of 8,760 hours/year and dividing by 2000 pounds/ton. Therefore, provided compliance with the hourly limitation is maintained, compliance with the annual limitation shall be ensured.

- d. Emission Limitation: Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule from cement unloading to storage silo (stack emissions).

Applicable Compliance Method: If required, compliance shall be determined in accordance with the test method and procedures specified in OAC rule 3745-17-03(B)(1).

- g) Miscellaneous Requirements

- (1) None.



2. P902, weigh hopper loading; cement mixer loading

Operations, Property and/or Equipment Description:

weigh hopper loading; cement mixer loading

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 operations(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. 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)	3.65 tons fugitive particulate emissions (PE)/yr There shall be no visible PE from the total enclosure for fugitive PE operations associated with weigh hopper loading and paddle mixer loading Control Requirements [See b)(2)a.]
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. "Best Available Technology" (BAT) control requirements for emissions unit P902 have been determined to be use of a permanent total enclosure around fugitive particulate emission operations associated with weigh hopper loading and paddle mixer loading.



- b. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
 - c. This 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 emission unit is exempt from the requirements of OAC rule 3745-17-08(B).
- c) Operational Restrictions
- (1) The annual throughput of material loaded into the weigh hopper shall not exceed 166,440 tons.
 - (2) The annual throughput of material loaded into the paddle mixer shall not exceed 1,051,200 tons.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall collect and record the following information each month:
 - a. the total tons per month of material loaded into the weigh hopper;
 - b. the annual, year to date, tons of material loaded into the weigh hopper [sum of d)(1)a.] for each calendar month to date from January to December;
 - c. the total tons per month of material loaded into the paddle mixer; and,
 - d. the annual, year to date, tons of material loaded into the mixer [sum of d)(1)c.] for each calendar month to date from January to December.
 - (2) The permittee shall perform daily checks when the emissions unit is in operation, and when weather conditions allow, for any visible particulate emissions from the total enclosure for fugitive PE operations associated with weigh hopper loading and paddle mixer loading. 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; and
 - c. any corrective actions taken to minimize or eliminate the 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.



- (2) 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)(2) above:
 - a. all days during which any visible fugitive particulate emissions from the total enclosure for fugitive PE operations associated with weigh hopper loading and paddle mixer loading were observed from this emission unit; and
 - b. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

f) Testing Requirements

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

- a. Emission Limitation: 3.65 tons fugitive particulate emissions (PE)/yr

Applicable Compliance Method: The emission limitation was established by combining the uncontrolled emissions from weigh hopper loading and paddle mixer loading operations and applying a 70% control efficiency for use of a total enclosure.

Uncontrolled emissions from weigh hopper loading were calculated by multiplying a maximum annual throughput of 166,440 tons/year by the appropriate emission factor from AP-42 Table 11.12-2, revised 10/1986 (0.02 pound PE/ton), and dividing by a conversion factor of 2000 pounds/ton.

Uncontrolled emissions from paddle mixer loading were calculated by multiplying a maximum annual throughput of 1,051,200 tons/year by the appropriate emission factor from AP-42 Table 11.12-2, revised 10/1986 (0.02 pound PE/ton), and dividing by a conversion factor of 2000 pounds/ton.

Therefore, provided compliance is shown with the annual throughputs for weigh hopper and paddle mixer loading, compliance with the fugitive PE emission limitation will be assumed. Compliance with the annual throughputs of weigh hopper and paddle mixer loading shall be demonstrated by the monitoring and recordkeeping in section d)(1).

- b. Emission Limitation: There shall be no visible PE from the total enclosure for fugitive PE operations associated with weigh hopper loading and paddle mixer loading

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this visible PE limitation by using U.S. EPA Method 22, which is located in 40 CFR Part 60, Appendix A

g) Miscellaneous Requirements

- (1) None.