



State of Ohio Environmental Protection Agency

STREET ADDRESS:

Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

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P.O. Box 1049
Columbus, OH 43216-1049

11/4/2009

JIM SCHEUB
Gerken Materials, Inc.
PO BOX 607
NAPOLEON, OH 43545-0607

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0335010051
Permit Number: P0104912
Permit Type: OAC Chapter 3745-31 Modification
County: Henry

Certified Mail

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

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install and Operate for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit comments on the permit. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, Northwest-Signal. A copy of the public notice and the draft permit are enclosed. This permit has been posted to the Division of Air Pollution Control Web page <http://www.epa.ohio.gov/dapc> in Microsoft Word and Adobe Acrobat format. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
122 South Front Street
Columbus, Ohio 43215

and Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install and operate will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install and Operate is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461.

Sincerely,

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

Cc: U.S. EPA Region 5 *Via E-Mail Notification*
Ohio EPA-NWDO; Michigan; Indiana; Canada



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Permit Strategy Write-Up
Permit Number: P0104912
Facility ID: 0335010051

Permit Strategy Write-Up

1. Check all that apply:

Synthetic Minor Determination

Netting Determination

2. Source Description:

The source is a portable crushing and screening unit with an associated diesel engine. The source will be permitted out of Henry County, but may be operated within any county in Ohio upon prior notification and approval from the appropriate District Office or Local Air Agency.

3. Facility Emissions and Attainment Status:

The potential emissions of this facility are below major source thresholds. However, since this facility may be operated at a site with other emission units, the company is requesting federally enforceable restrictions on the hours of operation to limit the potential to emit. The attainment status will depend upon the county in which this unit is operated.

4. Source Emissions:

The emissions from the portable crushing and screening operation with the associated diesel engine are based upon a requested annual material throughput of 350,000 tons per year and an operational restriction of 2000 hours per rolling 12-months.

5. Conclusion:

This permit will supersede PTI 03-10805, issued 12/03/97. Additionally, the portable crushing and screening operation with the associated diesel engine originally permitted as F001 will now be permitted as P901.

6. Please provide additional notes or comments as necessary:

None



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Permit Strategy Write-Up
Permit Number: P0104912
Facility ID: 0335010051

7. Total Permit Allowable Emissions Summary (for informational purposes only):

<u>Pollutant</u>	<u>Tons Per Year</u>
<u>PE (fugitive)</u>	<u>1.60</u>
<u>PE (stack)</u>	<u>0.78</u>
<u>PM10 (fugitive)</u>	<u>0.79</u>
<u>PM10 (stack)</u>	<u>0.78</u>
<u>NOx</u>	<u>8.90</u>
<u>CO</u>	<u>2.67</u>
<u>SOx</u>	<u>0.92</u>
<u>OC</u>	<u>0.15</u>

PUBLIC NOTICE
Issuance of Draft Air Pollution Permit-To-Install and Operate
Gerken Materials, Inc.

Issue Date: 11/4/2009

Permit Number: P0104912

Permit Type: OAC Chapter 3745-31 Modification

Permit Description: The purpose of this permit modification is to account for the emissions from the diesel engine.

Facility ID: 0335010051

Facility Location: Gerken Materials, Inc.
9-051 US RTE 24,
Napoleon, OH 43545

Facility Description: Crushed and Broken Limestone Mining and Quarrying

Chris Korleski, Director of the Ohio Environmental Protection Agency, 50 West Town Street, Columbus Ohio has issued a draft action of an air pollution control, federally enforceable permit-to-install and operate (PTIO) for the facility at the location identified above on the date indicated. Comments concerning this draft action, or a request for a public meeting, must be sent in writing no later than thirty (30) days from the date this notice is published. All comments, questions, requests for permit applications or other pertinent documentation, and correspondence concerning this action must be directed to Donald Waltermeyer at Ohio EPA DAPC, Northwest District Office, 347 North Dunbridge Road or (419)352-8461. The permit can be downloaded from the Web page: www.epa.ohio.gov/dapc



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

DRAFT

**Air Pollution Permit-to-Install and Operate
for
Gerken Materials, Inc.**

Facility ID: 0335010051
Permit Number: P0104912
Permit Type: OAC Chapter 3745-31 Modification
Issued: 11/4/2009
Effective: To be entered upon final issuance
Expiration: To be entered upon final issuance



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
Gerken Materials, Inc.

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State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Draft Permit-to-Install and Operate

Permit Number: P0104912

Facility ID: 0335010051

Effective Date: To be entered upon final issuance

Authorization

Facility ID: 0335010051

Application Number(s): A0037458

Permit Number: P0104912

Permit Description: The purpose of this permit modification is to account for the emissions from the diesel engine.

Permit Type: OAC Chapter 3745-31 Modification

Permit Fee: \$200.00 *DO NOT send payment at this time - subject to change before final issuance*

Issue Date: 11/4/2009

Effective Date: To be entered upon final issuance

Expiration Date: To be entered upon final issuance

Permit Evaluation Report (PER) Annual Date: To be entered upon final issuance

This document constitutes issuance to:

Gerken Materials, Inc.
9-051 US RTE 24
Napoleon, OH 43545

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



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Draft Permit-to-Install and Operate

Permit Number: P0104912

Facility ID: 0335010051

Effective Date: To be entered upon final issuance

Authorization (continued)

Permit Number: P0104912

Permit Description: The purpose of this permit modification is to account for the emissions from the diesel engine.

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:

Portable Excel 1500 crushing and screening operation

Superseded Permit Number:

General Permit Category and Type: Not Applicable



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Draft Permit-to-Install and Operate

Permit Number: P0104912

Facility ID: 0335010051

Effective Date: To be entered upon final issuance

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

Draft Permit-to-Install and Operate

Permit Number: P0104912

Facility ID: 0335010051

Effective Date: To be entered upon final issuance

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

Draft Permit-to-Install and Operate

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B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Draft Permit-to-Install and Operate

Permit Number: P0104912

Facility ID: 0335010051

Effective Date: To be entered upon final issuance

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

Draft Permit-to-Install and Operate

Permit Number: P0104912

Facility ID: 0335010051

Effective Date: To be entered upon final issuance

C. Emissions Unit Terms and Conditions



1. P901, Portable Excel 1500 crushing and screening operation

Operations, Property and/or Equipment Description:

Portable, 200 TPH Excel 1500 Recycling System with a 449 HP compression ignition (CI) internal combustion engine (ICE)

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. b)(1)b., b)(2)f., c)(2), d)(4), e)(1) and f)(1)i.

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)(a)	<u>Emissions from the Excel 1500 crushing and screening operation</u> 1.64 tons fugitive particulate emissions (PE)/year 0.81 tons fugitive particulate matter of 10 microns or less in size (PM10)/year Visible emission restrictions [See b)(2)m.] Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [b)(2)a. through b)(2)c.] See b)(2)d. <u>Emissions from diesel engine</u> 8.90 lbs nitrogen oxides (NOx)/hour



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		2.67 lbs carbon monoxide (CO)/hour 0.92 lbs sulfur dioxide (SO ₂)/hour 0.78 lbs PM ₁₀ /hour [See b)(2)e.] 0.15 lbs organic compounds (OC)/hour Visible PE shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown
b.	OAC rule 3745-31-05(D)	8.90 tons NO _x per rolling, 12 month period 2.67 tons CO per rolling, 12 month period 0.92 tons SO ₂ per rolling, 12 month period 0.78 tons PM ₁₀ per rolling, 12 month period 0.15 tons OC per rolling, 12 month period See b)(2)f.
c.	OAC rule 3745-17-07(A)	See b)(2)g.
d.	OAC rule 3745-17-07(B)	See b)(2)h.
e.	OAC rule 3745-17-08(B)	See b)(2)h.
f.	OAC rule 3745-17-11(B)(5)(a)	See b)(2)i.
g.	OAC rule 3745-18-06(G)	See b)(2)j.
h.	OAC rule 3745-21-08(B)	See b)(2)k.
i.	40 CFR Part 60, Subpart 000 (40 CFR Part 60, 60.670 – 60.676)	See b)(2)l.

(2) Additional Terms and Conditions

- a. The permittee shall employ best available control measures for this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

Material Handling Operation	Control Measures
product unloading	reduced drop height
crushing and screening	wet suppression
Transfer and conveying	wet suppression



- b. For each material handling/processing operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.
- c. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- d. The requirements of this rule also include compliance with 40 CFR Part 60, Subpart OOO.

The application and enforcement of the provisions of NSPS, as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

- e. All PE from the diesel engine are considered to be PM10.
- f. This permit establishes the following federally enforceable emission limitations based on an operational restriction [See c)(2)] for purposes of limiting potential to emit:
 - i. 8.90 tons of NO_x per rolling, 12-month period
 - ii. 2.67 tons of CO per rolling, 12-month period
 - iii. 0.92 tons of SO₂ per rolling, 12-month period
 - iv. 0.78 tons of PM10 per rolling, 12-month period
 - v. 0.15 tons of OC per rolling, 12-month period

The unrestricted potential to emit (PTE) from emissions unit P901 and the associated roadways, parking areas, and storage piles does not exceed major source thresholds for Title V or New Source Review. Given the portable nature of this emissions unit, the permittee has requested federally enforceable limitations for the purpose of limiting any combined PTE when this emissions unit (and the associated roadways/parking areas and storage piles) is located at a stationary source or at a source comprised of portable emissions units.

- g. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)(a).
- h. This emissions unit is a portable source and is applicable to the requirements of OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. Best Available



Technology (BAT) for this emissions unit, as set forth by the requirements/emissions limitations of this permit under OAC 3745-31-05(A)(3)(a) are more stringent than any requirements/emissions limitations as may be applicable under OAC 3745-17-07(B) and OAC 3745-17-08(B).

- i. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)(a). This determination is based on all emissions of particulate matter being PM10 and the established PM10 limitation being more restrictive than the particulate emissions limitation established by OAC rule 3745-17-11(B)(5)(a). Particulate emissions (PE) measured using Method 5 of 40 CFR Part 60, Appendix A would be equivalent to the filterable particulates measured using Method 201/201A of 40 CFR, Part 51, Appendix M. A PM10 limitation is more stringent due to the inclusion of condensable particulate matter measured by Method 202 of 40 CFR, Part 51, Appendix M.
- j. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
- k. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3)(a) in this permit to install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the 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 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- l. The crushing, screening and associated material handling operations (excluding truck dumping to feeder) is applicable to the requirements of 40 CFR Part 60 Subpart OOO when the emissions unit operates as an affected facility at a nonmetallic mineral processing plant as specified in 60.670(a)(1). Best Available Technology (BAT) for this emissions unit, as set forth by the requirements/emissions limitations of this permit under OAC 3745-31-05(A)(3) are equivalent to or more stringent than any requirements/emissions limitations as may be applicable under 40 CFR Part 60 Subpart OOO.
- m. The permittee shall not cause to be discharged into the atmosphere, fugitive emissions which exhibit greater than the following:

Material Handling Operation	Opacity Limit	Regulatory Basis
FEL unloading into feeder	20%, as a 3-minute average	OAC rule 3745-31-05(A)(3)(a)
crushing	15%, as a 6-minute	OAC rule 3745-31-



	average	05(A)(3)(a)
screening	10%, as a 6-minute average	OAC rule 3745-31-05(A)(3)(a)
conveyor transfer points	10%, as a 6-minute average	OAC rule 3745-31-05(A)(3)(a)

n. The hourly emission limitations represent the potentials to emit for this emissions unit. Therefore, no additional monitoring, record keeping, or reporting requirements are necessary to ensure compliance with these emission limitations.

c) Operational Restrictions

- (1) The maximum annual material throughput for this emissions unit shall not exceed 350,000 tons based on the material throughput of the feeder.
- (2) The maximum annual operating hours for this emissions unit shall not exceed 2,000 based upon a rolling, 12-month summation of the operating hours.

To ensure enforceability during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the operating hours levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Operating Hours</u>
1	400
1-2	800
1-3	1,200
1-4	1,500
1-5	1,600
1-6	1,700
1-7	1,750
1-8	1,800
1-9	1,850
1-10	1,900
1-11	1,950
1-12	2,000

After the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the operating hours.

- (3) The permittee shall burn only #2 fuel oil in this emissions unit. The sulfur content of the #2 fuel oil shall not exceed 0.5 weight percent.



d) Monitoring and/or Recordkeeping Requirements

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

<u>Material Handling Operations</u>	<u>Minimum Inspection Frequency</u>
All Operations	Once During Each Day of Operation

- (2) The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information required in section d)(2)d. shall be kept separately for each aggregate processing operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (3) The permittee shall maintain monthly records of the amount of material processed through the feeder of this emissions unit in:
 - a. tons per month; and
 - b. total tons, to date, for the calendar year.
- (4) The permittee shall maintain monthly records of the following information:
 - a. the operating hours for each month; and
 - b. beginning after the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the rolling, 12-month summation of the operating hours.

Also, during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

- (5) For each day during which the permittee burns a fuel other than the fuel specified in c)(3), the permittee shall maintain a record of the type, quantity and documentation of the sulfur content of fuel burned in this emissions unit.
- (6) The permittee shall use records of fuel supplier certification to demonstrate compliance with the operational restriction in c)(3). Records of fuel supplier certification shall include the following information:



- a. the name of the oil supplier; and
- b. a statement from the oil supplier that the oil complies with the specifications in c)(3).

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify:

- a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - i. all exceedances of the rolling, 12-month limitation on the hours of operation for this emissions unit; and for the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation;
- b. the probable cause of each deviation (excursion);
- c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
- d. the magnitude and duration of each deviation (excursion).

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

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

(2) 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 limitation(s) in Section b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

1.64 tons fugitive particulate emissions (PE)/year

Applicable Compliance Method



The annual particulate emission limitation was developed by applying the following emission factors/equations to the associated process weight rates:

Material Handling Operation	Maximum Process Weight Rate	Emission Factor	Emission Factor Citation
FEL unloading into feeder	350,000 tons/year	0.005 lbs PE/ton	AP-42 Table 13.4.2, 11/06
crushing	350,000 tons/year	0.0012 lbs PE/ton	AP-42 Table 11.19.2-2, 08/04
screening	350,000 tons/year	0.0022 lbs PE/ton	AP-42 Table 11.19.2-2, 08/04
conveyor transfer points (7)	350,000 tons/year	0.00014 lbs PE/ton	AP-42 Table 11.19.2-2, 08/04

The company is requesting an annual throughput limitation on the feeder for this emissions unit. Therefore, provided compliance is shown with the annual throughput limitation in c)(1) and the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

b. Emission Limitation

0.81 tons fugitive particulate matter of 10 microns or less in size (PM10)/year

Applicable Compliance Method

The annual PM10 limitation was developed by applying the following emission factors/equations to the associated process weight rates:

Material Handling Operation	Maximum Process Weight Rate	Emission Factor	Emission Factor Citation
FEL unloading into feeder	350,000 tons/year	0.003 lbs PM10/ton	AP-42 Table 13.4.2, 11/06
crushing	350,000 tons/year	0.00054 lbs PM10/ton	AP-42 Table 11.19.2-2, 08/04
screening	350,000 tons/year	0.00074 lbs PM10/ton	AP-42 Table 11.19.2-2, 08/04
conveyor transfer points (7)	350,000 tons/year	0.000046 lbs PM10/ton	AP-42 Table 11.19.2-2, 08/04

The company is requesting an annual throughput limitation on the feeder for this emissions unit. Therefore, provided compliance is shown with the annual



throughput limitation in c)(1) and the requirements of this permit to apply best available control measures, compliance with the ton per year PM10 limitation will be assumed.

c. Emission Limitation

8.90 lbs nitrogen oxides (NOx)/hour

Applicable Compliance Method

The hourly emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit for this emissions unit was established by multiplying the CAT 3406 emissions data of 4039 grams/hr by a conversion factor of 453.59 grams/lbs [company supplied emission data].

If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in Methods 1-4 and 7 of 40 CFR Part 60, Appendix A.

d. Emission Limitation

2.67 lbs carbon monoxide (CO)/hour

Applicable Compliance Method

The hourly emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit for this emissions unit was established by multiplying the CAT 3406 emissions data of 1212 grams/hr by a conversion factor of 453.59 grams/lbs [company supplied emission data].

If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.

e. Emission Limitation

0.92 lbs sulfur dioxide (SO₂)/hour

Applicable Compliance Method

The hourly emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit for this emissions unit was established by multiplying the maximum horsepower of 449 hp-hr and an emission factor of 0.00205 lbs/hp-hr [from AP-42, Section 3.3 (10/96)].



If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in Methods 1-4 and 6 of 40 CFR Part 60, Appendix A.

f. Emission Limitation

0.78 lbs PM10/hour (from diesel engine)

Applicable Compliance Method

The hourly emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit for this emissions unit was established by multiplying the CAT 3406 emissions data of 355 grams/hr by a conversion factor of 453.59 grams/lbs [company supplied emission data].

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 201/201A and 202 of 40 CFR Part 51, Appendix M. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

g. Emission Limitation

0.15 lbs organic compounds (OC)/hour

Applicable Compliance Method

The hourly emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit for this emissions unit was established by multiplying the CAT 3406 emissions data of 70 grams/hr by a conversion factor of 453.59 grams/lbs [company supplied emission data].

If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in Methods 1-4 and 18, 25, or 25A as applicable, of 40 CFR Part 60, Appendix A.

h. Emission Limitation

Visible PE shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown (from diesel engine)

Applicable Compliance Method

If required, the permittee shall demonstrate compliance by testing in accordance with Method 9 of 40 CFR Part 60, Appendix A.



i. Emission Limitation

8.90 tons NO_x per rolling, 12 month period
2.67 tons CO per rolling, 12 month period
0.92 tons SO₂ per rolling, 12 month period
0.78 tons PM₁₀ per rolling, 12 month period
0.15 tons VOC per rolling, 12 month period

Applicable Compliance Method

The annual emission limitations were established by multiplying the hourly emission limitations by a maximum operating schedule of 2000 hours per rolling, 12-month period and dividing by 2000 lbs/ton. Therefore, provided compliance with the hourly limitations and with the 2000 hours per rolling 12-month period operational restriction is maintained, compliance with the annual limitations shall be assumed.

j. Emission Limitation

Visible PE shall not exceed 20% opacity as a 3-minute average from front end loader dumping into feeder.

Applicable Compliance Method

Compliance shall be demonstrated using 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.

k. Emission Limitation

Visible PE shall not exceed 15% opacity as a 6-minute average from crushing operations.

Applicable Compliance Method

Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections f)(2) through f)(10) above.

l. Emission Limitation

Visible PE shall not exceed 10% opacity as a 6-minute average from screening and transfer operations.

Applicable Compliance Method

Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections f)(2) through f)(10) above.



- (2) The permittee shall conduct, or have conducted, visible emissions testing for all fugitive emissions points of emissions unit P901, that are subject to 40 CFR Part 60, Subpart OOO.

[The permittee has previously performed visible emission testing for this unit (formerly F001) on 06/24/99. At this time, the permittee will not be required to perform this testing once again for this unit since the reason for this permit modification is to address diesel engine emissions and not a modification to the handling line.]
- (3) In accordance with 40 CFR Part 60, Subpart OOO, Section 60.675(h)(1), visible emissions testing is not required for wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.
- (4) Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, section 60.8 and 40 CFR Part 60, Subpart OOO, section 60.675.
- (5) The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.
- (6) The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:
 - a. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
- (7) The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA Northwest District Office.
- (8) Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA Northwest District Office's refusal to accept the results of the emission tests.
- (9) Personnel from the Ohio EPA Northwest District Office shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and /or the performance of the control equipment.
- (10) A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Northwest District Office within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Northwest District Office.



g) Miscellaneous Requirements

- (1) The permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate exemption requirements have been met and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency). The Director may issue a "Notice of Site Approval" if the following criteria is met, pursuant to the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - a. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - b. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - c. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - d. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's "Notice of Site Approval" for the site.

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO or PTI (as applicable) for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Draft Permit-to-Install and Operate

Permit Number: P0104912

Facility ID: 0335010051

Effective Date: To be entered upon final issuance

or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

- (3) The terms and conditions contained in this permit for this emissions unit shall supersede all the air pollution control requirements for the emissions unit contained in the permit to install #03-10805 issued on 12/03/97.