



4/2/2014

Certified Mail

Jim Scheub
 Gerken Materials, Inc.
 9072 County Road 424
 Napoleon, OH 43522

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
 Facility ID: 0335940003
 Permit Number: P0116453
 Permit Type: Renewal
 County: Henry

Dear Permit Holder:

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

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

How to appeal this permit

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

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

How to save money, reduce pollution and reduce energy consumption

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

How to give us feedback on your permitting experience

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

How to get an electronic copy of your permit

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

If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

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
Gerken Materials, Inc.**

Facility ID:	0335940003
Permit Number:	P0116453
Permit Type:	Renewal
Issued:	4/2/2014
Effective:	4/2/2014
Expiration:	3/17/2019



**Division of Air Pollution Control
Permit-to-Install and Operate**

for
Gerken Materials, Inc.

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Final Permit-to-Install and Operate
Gerken Materials, Inc.
Permit Number: P0116453
Facility ID: 0335940003
Effective Date: 4/2/2014

Authorization

Facility ID: 0335940003
Application Number(s): A0050265
Permit Number: P0116453
Permit Description: FEPTIO renewal permit for shredder/grinder with an associated diesel engine
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 4/2/2014
Effective Date: 4/2/2014
Expiration Date: 3/17/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Gerken Materials, Inc.
9051 US 24
Napoleon, OH 43545

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

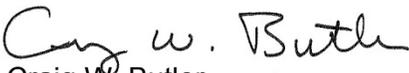
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, 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


Craig W. Butler
Director



Final Permit-to-Install and Operate
Gerken Materials, Inc.
Permit Number: P0116453
Facility ID: 0335940003
Effective Date: 4/2/2014

Authorization (continued)

Permit Number: P0116453
Permit Description: FEPTIO renewal permit for shredder/grinder with an associated 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:	Recycler
Superseded Permit Number:	P0104272
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
Gerken Materials, Inc.
Permit Number: P0116453
Facility ID: 0335940003
Effective Date: 4/2/2014

A. Standard Terms and Conditions



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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

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



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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

Again, you cannot resume operation of any emissions unit certified by the authorized official as 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.

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.



Final Permit-to-Install and Operate
Gerken Materials, Inc.
Permit Number: P0116453
Facility ID: 0335940003
Effective Date: 4/2/2014

B. Facility-Wide Terms and Conditions



Final Permit-to-Install and Operate

Gerken Materials, Inc.

Permit Number: P0116453

Facility ID: 0335940003

Effective Date: 4/2/2014

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.
2. The Ohio EPA has determined that this facility is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Reciprocating Internal Combustion Engines. Although Ohio EPA has determined that this Generally Available Control Technology (GACT) NESHAP applies, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised, that all requirements associated with this rule are in effect and shall be enforced by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>.



Final Permit-to-Install and Operate
Gerken Materials, Inc.
Permit Number: P0116453
Facility ID: 0335940003
Effective Date: 4/2/2014

C. Emissions Unit Terms and Conditions



1. P901, Recycler – Shredder/Grinder

Operations, Property and/or Equipment Description:

Portable Shredder/Grinder System with Diesel-fired Engine (Bandit Beast 3680 Recycler)

- 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)e., c)(1), d)(1), e)(1) and f)(1)f.
- 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
Shredder/Grinder and Material Handling Operations		
a.	OAC rule 3745-31-05(A)(3)	See b)(2)a.,b)(2)b. and b)(2)i.
b.	OAC rule 3745-17-07(B)(1)	Visible particulate emissions (PE) from any fugitive dust source shall not exceed 20% opacity as a three-minute average, except as provided by rule [See b)(2)b.]
c.	OAC rule 3745-17-08(B)	The permittee shall utilize reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b.]
d.	40 CFR, Part 60, Subpart OOO	See b)(2)e.
Diesel Engine		
e.	OAC rule 3745-31-05(D)	<u>Emissions from diesel engine:</u> 3.57 lbs of nitrogen oxide (NO _x)/hour; 7.14 tons of NO _x per rolling, 12-month period 0.67 lb of carbon monoxide(CO)/hour;



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		1.34 tons of CO per rolling, 12-month period 0.0024 lb of sulfur dioxide (SO ₂)/hour; 0.005 ton of SO ₂ per rolling, 12-month period 0.42 lb of volatile organic compound (VOC)/hour; 0.85 ton of VOC per rolling, 12-month period 0.09 lb particulate matter 10 microns or less (PM ₁₀)/hour; 0.18 ton of PM ₁₀ per rolling, 12-month period See b)(2)a. and b)(2)d.
f.	OAC rule 3745-17-11(B)(5)(a)	0.031 lb of PE/MMBtu
g.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
h.	OAC rule 3745-18-06(G)	See b)(2)c.
i.	40 CFR, Part 60, Subpart IIII	See b)(2)l.

(2) Additional Terms and Conditions

- a. The permit for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for purposes of establishing requirements that would be equivalent to Best Available Technology (BAT) requirements under OAC rule-3745-31-05(A)(3):
 - i. watering as necessary for shredder/grinder;
 - ii. reduced drop heights from front-end loader [see b)(2)f., b)(2)g. and b)(2)h.];
 - iii. visible emission limitations in b)(2)i.; and
 - iv. synthetic minor limits for diesel engine.

The voluntary restrictions above are being defined as equivalent to BAT requirements such that this emissions unit meets the criteria in g)(1)a. associated



with the relocation of a portable source. BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the fugitive particulate emissions (PE) and fugitive particulate matter 10 microns or less in size (PM₁₀) emissions from the screening and material handling operations or NO_x, CO, VOC, SO₂, and PM₁₀* from the diesel engine since the calculated annual emission rate for PE, PM₁₀, NO_x, CO, VOC, and SO₂ is less than ten tons per year taking into account the permittee's request for voluntary restrictions equivalent to BAT requirements and synthetic minor restrictions.

*All particulate matter emissions from the diesel engine are assumed to be PM₁₀.

- b. 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. The voluntary restrictions proposed by the permittee under OAC 3745-31-05(A)(3) [see b)(2)a.] are equivalent to or more stringent than any requirements/emissions limitations as may be applicable under OAC 3745-17-07(B) and OAC 3745-17-08(B).
- c. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
- d. This permit establishes the following federally enforceable emission limitations based on an operational restriction [See c)(1)] for purposes of limiting potential to emit:
 - i. 7.14 tons of NO_x per rolling, 12-month period;
 - ii. 1.34 tons of CO per rolling, 12-month period;
 - iii. 0.005 ton of SO₂ per rolling, 12-month period;
 - iv. 0.85 ton of VOC per rolling, 12-month period; and
 - v. 0.18 ton of PM₁₀ 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.

- e. The shredder/grinder and associated material handling operations (excluding front-end load to feeder transfer point) is applicable to the requirements of 40 CFR Part 60 Subpart OOO when the shredder/grinder is used to crush or grind any non-metallic mineral material as defined in Section 60.671. The provisions of 40 CFR Part 60 Subpart OOO do not apply to the shredder/grinder and associated material handling operations when used to process material that is



not defined as a non-metallic mineral. The voluntary restrictions proposed by the permittee under OAC 3745-31-05(A)(3) is equivalent to or more stringent than any requirements/emissions limitations as may be applicable under 40 CFR Part 60 Subpart OOO.

- f. The processes and material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

Front-End Loader to Feeder
 Feed Conveyor to Shredder
 Shredder/Recycler
 Shredder/Recycler to Main Conveyor

- g. The permittee shall employ the voluntary restrictions outlined in b)(2)a. for the above-identified processes and material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- h. For each processing and material handling 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 processing/handling operations until further observation confirms that use of the control measures is unnecessary.

- i. Visible PE from the shredder/grinder and material handling operations shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Front-End Loader to Feeder	transfer point	20% as a 3-minute average	OAC rule 3745-31-05(A)(3)
Feed Conveyor to Shredder/Recycler	transfer point	15% as a 6-minute average	OAC rule 3745-31-05(A)(3) & NSPS Subpart OOO [See b)(2)e.]
Shredder/Recycler	crusher	15% as a 6-minute average	OAC rule 3745-31-05(A)(3)& NSPS Subpart OOO [See b)(2)e.]
Shredder/Recycler to Main Conveyor	transfer point	15% as a 6-minute average	OAC rule 3745-31-05(A)(3)& NSPS Subpart OOO [See b)(2)e.]



- j. 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 is also federally enforceable.
 - k. The hourly emission limitations represent the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with these emission limitations.
 - l. This emissions unit is subject to 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion. The permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart IIII. The permittee shall also comply with all applicable requirements of 40 CFR Part 60, Subpart A (General Provisions) as identified in Table 8 of 40 CFR Part 60, Subpart IIII.
- c) Operational Restrictions
- (1) The maximum annual operating hours for emissions unit P901 shall not exceed 4000 hours, based upon a rolling, 12-month summation of operating hours.
 - (2) The permittee shall combust only diesel fuel that meets the per gallon standards of 40 CFR 80.510.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. number of hours operated; and
 - b. the rolling, 12-month summation of the number of hours operated.
 - (2) Except as otherwise provided in this section, for each material processing and handling operation that is not adequately enclosed, the permittee shall perform inspections of such material processing and handling operations in accordance with the following minimum frequencies:

<u>Material Processing/Handling Operations</u>	<u>Minimum Inspection Frequency</u>
All Operations	Once During Each Day of Operation
 - (3) The above-mentioned inspections shall be performed during representative, normal operating conditions.
 - (4) 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 measures;



- c. the dates the control measures were implemented; and
- d. on a calendar quarter basis, the total number of days the control measures were implemented.

The information in d)(4)d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- (5) For each day during which the permittee burns a fuel other than diesel fuel as specified in c)(2), 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 section c)(2). 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 under the definition of distillate oil in c)(2) above.

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 restriction of 4000 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 (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the Director (the Northwest District Office).



- (2) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the Northwest District Office, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.
- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted 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 Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.09 lb PM₁₀/hr (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 a maximum engine power rating of 447 kw, an emission factor of 0.092 g/kw-hr [from engine manufacturer's test data (7/22/2005)] and a conversion factor of lb/454 g.

If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in Methods 1-5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

- b. Emission Limitation:
3.56 lbsNO_x/hr (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 a maximum engine power rating of 447 kw, an emission factor of 3.62 g/kw-hr [Engine Manufacturer (Cummins) Emission Data] and a conversion factor of lb/454 g.

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.

- c. Emission Limitation:
0.67 lb CO/hr (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 a maximum engine power rating of 447 kw, an emission factor of 0.68 g/kw-hr [Engine Manufacturer (Cummins) Emission Data] and a conversion factor of lb/454 g.

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.

- d. Emission Limitation:
0.0024 lb SO₂/hr (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 a maximum engine power rating of 600 hp and an emission factor of 0.00809S lb/hp-hr, where S = 0.05% sulfur [from 40 CFR 80.510].

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.



- e. Emission Limitation:
0.42 lb VOC/hr (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 a maximum engine power rating the engine of 600 hp and an emission factor of 7.05×10^{-4} lb/hp-hr [from AP-42, Section 3.4-1 (10/1996)].

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

- f. Emission Limitations (from diesel engine):
7.14 tons NO_x per rolling, 12-month period
1.34 tons CO per rolling, 12-month period
0.005 ton SO₂ per rolling, 12-month period
0.85 ton VOC per rolling, 12-month period
0.18 ton PM 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 4000 hours per rolling, 12-month period and dividing by 2000 lbs/ton. Therefore, provided compliance is shown the hourly limitation and with the 4000 hours per rolling 12-month period operational restriction, compliance with the annual limitations shall also be demonstrated.

- g. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity, as a 3-minute average, from the shredder/recycler and from the associated material handling operations.

Applicable Compliance Method:

If required, 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.

- h. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.



Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

i. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere any visible emissions of fugitive dust which exhibit greater than 15% opacity, as a six-minute average as detailed in b)(2)i.

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in 40 CFR Part 60, Subpart OOO, section 60.675.

- (2) In the first instance when this emissions unit operates as an affected facility at a nonmetallic mineral processing plant as specified in Section 60.670(a)(1), the permittee shall conduct, or have conducted, emission testing for the shredder/grinder operation and material handling operations (transfer points) of emissions unit P901. The emissions testing requirements of 40 CFR Part 60 Subpart OOO do not apply to the shredder/grinder operation and associated material handling operations when used to process material that is not defined as a non-metallic mineral. (Non-metallic mineral is defined in Section 60.671).
- (3) 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.
- (4) The testing time frame indicated in this section shall be initiated by the first instance when this emissions unit operates at an affected facility at a nonmetallic mineral processing plant as specified in Section 60.670(a)(1). The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after the 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.
- (5) The following test methods shall be employed to demonstrate compliance with the allowable visible emission rates: Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
- (6) The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control.
- (7) Not later than 30 days prior to the proposed test dates(s), the permittee shall submit an "Intent to Test" notification to the Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test. Failure to submit such notification for review



and approval prior to the test(s) may result in the Northwest District Office's refusal to accept the results of the emissions tests.

- (8) Personnel from the 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 unit and/or the performance of the control equipment.
- (9) A comprehensive written report of the emissions test(s) shall be signed by the person(s) responsible for the test(s) and submitted to the Northwest District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the 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) providing the appropriate exemption requirements have been met and following the approval of the director. The Director may issue a "Notice of Site Approval" if the portable source meets the following criteria pursuant to OAC rule 3745-31-03(A)(1)(p)(i):
 - a. the portable source has been issued a Permit-to-Install and Operate (PTIO) and the permittee continues to comply with any applicable best available technology (BAT) determination and state and/or federal rules;
 - b. the portable source is operating pursuant to a currently effective PTIO 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 Northwest District Office 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 in violation of OAC rule 3745-15-07; and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways and/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; and
 - e. the Director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07 and the relocation will not result in the installation of a major stationary source or a modification of an existing major stationary source.

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