



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION
RICHLAND COUNTY**

CERTIFIED MAIL

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 03-13956

DATE: 5/8/2003

Grasan
Stephen Forker
440 S. Illinois Avenue
Mansfield, OH 44907

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 5/8/2003
Effective Date: 5/8/2003**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-13956

Application Number: 03-13956
APS Premise Number: 0370010207
Permit Fee: **\$0**
Name of Facility: Grasan
Person to Contact: Stephen Forker
Address: 440 S. Illinois Avenue
Mansfield, OH 44907

Location of proposed air contaminant source(s) [emissions unit(s)]:
**440 S. Illinois Avenue
Mansfield, Ohio**

Description of proposed emissions unit(s):
Portable crushing, screening and conveying operations, associated material handling, portable diesel fired generator, storage piles and roadways.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.


Ohio Environmental Protection Agency

Director

Grasan

PTI Application: 03-13956

Modification Issued: 5/8/2003

Facility ID: 0370010207

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

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and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter

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3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
Stack PE	7.38
CO	23.39
NOx	108.71*
Fugitive PE	284.10

* This PTI encompasses ten portable emission units and therefore does not constitute a single stationary source for purposes of Title V or PSD

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applicability.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
F003 - storage piles	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(B)
load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-08(B)
wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-17-07(B)	
	OAC rule 3745-17-08(B)	
	OAC rule 3745-31-05(A)(3)	

Applicable Emissions
Limitations/Control Measures

0.95 ton fugitive PE/yr

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)

See A.2.g

See A.2.g

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)

See A.2.g

See A.2.g

2. Additional Terms and Conditions

2.a The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Product Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.
- 2.g** The storage piles are associated with the portable crushing system (emissions unit P902) permitted under facility ID 0370010207. The emission limitation of 0.95 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the

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PTI Application: 03 12056

Modif

Facility ID: 0370010207

Emissions Unit ID: F003

requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is

within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

Grasan

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Facility ID: 0370010207

Emissions Unit ID: F003

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation: 0.95 ton fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 1,314,000 tons per year of product. Wind erosion emissions are based on a maximum storage pile surface area of 0.25 acres as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 1,314,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.014 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.46 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-out rate of 1,314,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.014 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.46 ton fugitive PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.25 acres for product, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.03 ton PE/yr)

Therefore, provided compliance is shown with 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: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as

set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F004 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g) See A.2.h See A.2.h
	OAC rule 3745-17-07(B)	
	OAC rule 3745-17-08(B)	

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:
All Unpaved Roadways and Parking Areas

- 2.b The permittee shall employ best available control measures on all unpaved roadways and

parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit P902) permitted under facility ID 0370010207. The emission limitation of 0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the

unpaved roadways and parking areas for any proposed site for relocation of the portable crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

<u>Unpaved Roadways and Parking Areas</u>	<u>Minimum Inspection Frequency</u>
All	Once During Each Day of Operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)
F005 - storage piles	

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PTI A

Modification Issued: 5/8/2003

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wind erosion from storage piles (see Section A.2.a for identification of storage piles)	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
	OAC rule 3745-31-05(A)(3)	1.27 tons fugitive PE/yr
	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g
	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g

2. Additional Terms and Conditions

- 2.a** The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Product and Dirt Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.

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Emissions Unit ID: F005

- 2.g The storage piles are associated with the portable crushing system (emissions unit P903) permitted under facility ID 0370010207. The emission limitation of 1.27 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

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6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation: 1.27 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 1,226,400 tons per year of product and 525,600 tons per year of dirt. Wind erosion emissions are based on a maximum storage pile surface area of 0.25 acres for product and 0.15 acres for dirt as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 1,226,400 tons of product per year and 525,600 tons of dirt per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.014 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.61 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-in rate of 1,226,400 tons of product per year and 525,600 tons of dirt per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.014 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.61 ton fugitive PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.25 acres for product and 0.15 acres for dirt, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.05 ton PE/yr)

Therefore, provided compliance is shown with 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: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Grasan**PTI Application: 03-12056****Modif****Facility ID: 0370010207**Emissions Unit ID: **F005**

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F006 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g) See A.2.h See A.2.h
	OAC rule 3745-17-07(B)	
	OAC rule 3745-17-08(B)	

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:

All Unpaved Roadways and Parking Areas

- 2.b** The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit P903) permitted under facility ID 0370010207. The emission limitation of

Emissions Unit ID: F006

0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the unpaved roadways and parking areas for any proposed site for relocation of the portable crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

Unpaved Roadways and Parking Areas

All

Minimum Inspection Frequency

Once During Each Day of Operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property,
and/or Equipment

load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)

F007 - storage piles

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Emissions Unit ID: F007

	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
wind erosion from storage piles (see Section A.2.a for identification of storage piles)	<p>OAC rule 3745-31-05(A)(3)</p> <p>OAC rule 3745-31-05(A)(3)</p>	<p>1.27 tons fugitive PE/yr</p> <p>No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)</p>
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g
	OAC rule 3745-31-05(A)(3)	<p>No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)</p>
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g

2. Additional Terms and Conditions

- 2.a** The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Product and Dirt Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.

- 2.g The storage piles are associated with the portable crushing system (emissions unit P904) permitted under facility ID 0370010207. The emission limitation of 1.27 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
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All Storage Piles Once During Each Day of Operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

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- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation: 1.27 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 1,226,400 tons per year of product and 525,600 tons per year of dirt. Wind erosion emissions are based on a maximum storage pile surface area of 0.25 acres for product and 0.15 acres for dirt as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 1,226,400 tons of product per year and 525,600 tons of dirt per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.014 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.61 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-in rate of 1,226,400 tons of product per year and 525,600 tons of dirt per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.014 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.61 ton fugitive PE/yr)

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- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.25 acres for product and 0.15 acres for dirt, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.05 ton PE/yr)

Therefore, provided compliance is shown with 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: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F008 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g)
	OAC rule 3745-17-07(B)	See A.2.h
	OAC rule 3745-17-08(B)	See A.2.h

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:
All Unpaved Roadways and Parking Areas

Emissions Unit ID: **F008**

- 2.b** The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit P904) permitted under facility ID 0370010207. The emission limitation of 0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the

unpaved roadways and parking areas for any proposed site for relocation of the portable crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

Unpaved Roadways and Parking Areas
All

Minimum Inspection Frequency
Once During Each Day of Operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)
F009 - storage piles	

Grasa

PTI A

Modification Issued: 5/8/2003

Emissions Unit ID: F009

	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	1.63 tons fugitive PE/yr
	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g
	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g

2. Additional Terms and Conditions

- 2.a** The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Main Product, Side #1, Side #2 and Fines Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.

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Emissions Unit ID: F009

- 2.g The storage piles are associated with the portable crushing system (emissions unit P905) permitted under facility ID 0370010207. The emission limitation of 1.63 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 1.63 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 1,839,600 tons per year of main product, 262,800 tons per year of side #1, 262,800 tons per year of side #2 and 262,800 tons per year of fines. Wind erosion emissions are based on a maximum storage pile surface area of 0.5 acres for main product, 0.25 acres for side #1, 0.25 acres for side #2 and 0.25 acres for fines as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 1,839,600 tons of main product per year, 262,800 tons of side #1 per year, 262,800 tons of side #2 per year and 262,800 tons of fines per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.73 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-in rate of 1,839,600 tons of main product per year, 262,800 tons of side #1 per year, 262,800 tons of side #2 per year and 262,800 tons of fines per year by the appropriate emission factor from AP-42 section

13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.73 ton fugitive PE/yr)

- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.5 acres for main product, 0.25 acres for side #1, 0.25 acres for side #2 and 0.25 acres for fines , the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.16 ton PE/yr)

Therefore, provided compliance is shown with 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: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

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The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F010 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g)
	OAC rule 3745-17-07(B)	See A.2.h
	OAC rule 3745-17-08(B)	See A.2.h

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:

All Unpaved Roadways and Parking Areas

- 2.b** The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit P905) permitted under facility ID 0370010207. The emission limitation of

Emissions Unit ID: **F010**

0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the unpaved roadways and parking areas for any proposed site for relocation of the portable crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

Unpaved Roadways and Parking Areas

All

Minimum Inspection Frequency

Once During Each Day of Operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during

any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	
F011 - storage piles	load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)

Grasa**PTI A****Modification Issued: 5/8/2003**Emissions Unit ID: **F011**

wind erosion from storage piles (see Section A.2.a for identification of storage piles)	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
	OAC rule 3745-31-05(A)(3)	1.23 tons fugitive PE/yr
	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g
	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g

2. Additional Terms and Conditions

- 2.a** The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Product Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.
- 2.g** The storage piles are associated with the portable crushing system (emissions unit P906)

permitted under facility ID 0370010207. The emission limitation of 1.23 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

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- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation: 1.23 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 2,190,000 tons per year of product. Wind erosion emissions are based on a maximum storage pile surface area of 0.25 acres as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 2,190,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.6 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-in rate of 2,190,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.6 ton fugitive PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined

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storage pile surface area of 0.25 acres for product, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.03 ton PE/yr)

Therefore, provided compliance is shown with 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: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F012 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g) See A.2.h See A.2.h

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:
All Unpaved Roadways and Parking Areas

Emissions Unit ID: **F012**

- 2.b** The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit P906) permitted under facility ID 0370010207. The emission limitation of 0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the

unpaved roadways and parking areas for any proposed site for relocation of the portable crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

<u>Unpaved Roadways and Parking Areas</u>	<u>Minimum Inspection Frequency</u>
All	Once During Each Day of Operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)
F013 - storage piles	

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Emissions Unit ID: F013

wind erosion from storage piles (see Section A.2.a for identification of storage piles)	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
	OAC rule 3745-31-05(A)(3)	1.47 tons fugitive PE/yr
	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g
	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)
	OAC rule 3745-17-07(B)	See A.2.g
	OAC rule 3745-17-08(B)	See A.2.g

2. Additional Terms and Conditions

- 2.a** The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Product Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.

Emissions Unit ID: F013

- 2.g The storage piles are associated with the portable crushing system (emissions unit P907) permitted under facility ID 0370010207. The emission limitation of 1.47 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

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6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

Emissions Unit ID: **F013**

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation: 1.47 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 2,628,000 tons per year of product. Wind erosion emissions are based on a maximum storage pile surface area of 0.25 acres as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 2,268,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.72 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-in rate of 2,268,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.72 ton fugitive PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.25 acres for product, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.03 ton PE/yr)

Therefore, provided compliance is shown with 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: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F014 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g)
	OAC rule 3745-17-07(B)	See A.2.h
	OAC rule 3745-17-08(B)	See A.2.h

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:
 All Unpaved Roadways and Parking Areas

- 2.b The permittee shall employ best available control measures on all unpaved roadways and

parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit P907) permitted under facility ID 0370010207. The emission limitation of 0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the

Emissions Unit ID: F014

unpaved roadways and parking areas for any proposed site for relocation of the portable crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

<u>Unpaved Roadways and Parking Areas</u>	<u>Minimum Inspection Frequency</u>
All	Once During Each Day of Operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

Grasan**PTI Application: 03 13056****Modif****Facility ID: 0370010207**Emissions Unit ID: **F014**

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
F015 - storage piles	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(B)
load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-08(B)
	OAC rule 3745-17-07(B)	
	OAC rule 3745-17-08(B)	
wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	

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PTI A

Modification Issued: 5/8/2003

Emissions Unit ID: **F015**

Applicable Emissions
Limitations/Control Measures

1.63 tons fugitive PE/yr

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)

See A.2.g

See A.2.g

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)

See A.2.g

See A.2.g

2. Additional Terms and Conditions

- 2.a** The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Main Product, Side #1, Side #2 and Fines Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.

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Facility ID: 0370010207

Emissions Unit ID: F015

- 2.g The storage piles are associated with the portable crushing system (emissions unit P908) permitted under facility ID 0370010207. The emission limitation of 1.63 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

Emissions Unit ID: **F015**

- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 1.63 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 1,839,600 tons per year of main product, 262,800 tons per year of side #1, 262,800 tons per year of side #2 and 262,800 tons per year of fines. Wind erosion emissions are based on a maximum storage pile surface area of 0.5 acres for main product, 0.25 acres for side #1, 0.25 acres for side #2 and 0.25 acres for fines as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 1,839,600 tons of main product per year, 262,800 tons of side #1 per year, 262,800 tons of side #2 per year and 262,800 tons of fines per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.73 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-in rate of 1,839,600 tons of main product per year, 262,800 tons of side #1 per year, 262,800 tons of side #2 per year and 262,800 tons of fines per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and

dividing by 2000 lbs/ton. (0.73 ton fugitive PE/yr)

- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.5 acres for main product, 0.25 acres for side #1, 0.25 acres for side #2 and 0.25 acres for fines, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.16 ton PE/yr)

Therefore, provided compliance is shown with 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: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F016 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g) See A.2.h See A.2.h

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:
All Unpaved Roadways and Parking Areas

Emissions Unit ID: **F016**

- 2.b** The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit P908) permitted under facility ID 0370010207. The emission limitation of 0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the

unpaved roadways and parking areas for any proposed site for relocation of the portable crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

<u>Unpaved Roadways and Parking Areas</u>	<u>Minimum Inspection Frequency</u>
All	Once During Each Day of Operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	material handling operations	<u>Applicable Rules/Requirements</u>
F021 - 300 tons per hour portable conveying system and associated		OAC rule 3745-31-05(A)(3)

	<u>Applicable Emissions Limitations/Control Measures</u>
OAC rule 3745-17-07(B)	0.26 ton fugitive PE per year
OAC rule 3745-17-08(B)	20% opacity, as a 3-minute average for front-end loader dumping onto conveyor
40 CFR, Part 60, Subpart OOO	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.d)
	See A.2.e
	See A.2.f
	See A.2.f
	The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity (see A.2.g)

2. Additional Terms and Conditions

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

Front-End Loader Dumping onto Conveyor
Material Conveying

- 2.b** The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights and

to maintain the inherent moisture content of the materials involved in material handling operations at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** For each 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 handling operation(s) until further observation confirms that use of the control measures is unnecessary.
- 2.d** 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.
- 2.e** The requirements of this rule also include compliance with 40 CFR, Part 60, Subpart OOO.
- 2.f** 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 emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.g** Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup.

Grasan

PTI Application: 03-12056

Modif

Facility ID: 0370010207

Emissions Unit ID: F021

- 2.h** 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 for 40 CFR, Part 60, are also federally enforceable.

B. Operational Restrictions

None

C. 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 in accordance with the following minimum frequencies:

Material Handling Operations

All

Minimum Inspection Frequency

Once During Each Day Of Operation

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
- the date and reason any required inspection was not performed;
 - the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - the dates the control measure(s) was (were) implemented; and
 - on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 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

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Emissions Unit ID: **F021**

calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

3. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date):
 - b. actual start-up date (within 15 days after such date);
 - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049

Grasan**PTI Application: 03-12056****Modif****Facility ID: 0370010207****Emissions Unit ID: F021**

Columbus, Ohio 43216-1049

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points of emissions units F021.
2. 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.
3. 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.
4. 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.
5. 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. 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, Division of Air Pollution Control. 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 District Office's air agency's refusal to accept the results of the emission tests.
6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.

7. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 0.26 ton fugitive PE per year

Applicable Compliance Method: The emission limitation is based on the emission units potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 300 tons per hour times two transfer points multiplied by an AP-42 emission factor of 0.0001 lb PE/ton (Section 11.19.2 - 9/95), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping onto conveyor

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
- the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;

- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
 2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
 - g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.
 3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having

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jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

- 4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

- 5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	storage piles)
F022 - storage piles	
load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)	wind erosion from storage piles (see Section A.2.a for identification of

Grasan

PTI Application: 03 12056

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Facility ID: 0370010207

Emissions Unit ID: F022

<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
OAC rule 3745-31-05(A)(3)	1.50 tons fugitive PE/yr
OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)
OAC rule 3745-17-07(B)	See A.2.g
OAC rule 3745-17-08(B)	See A.2.g
OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)
OAC rule 3745-17-07(B)	See A.2.g
OAC rule 3745-17-08(B)	See A.2.g

2. Additional Terms and Conditions

2.a The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Product Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.
- 2.g** The storage piles are associated with the portable crushing system (emissions unit F021) permitted under facility ID 0370010207. The emission limitation of 1.50 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the

Emissions Unit ID: F022

requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation: 1.50 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 2,628,000 tons per year of product. Wind erosion emissions are based on a maximum storage pile surface area of 0.5 acres as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 2,628,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.72 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-in rate of 2,628,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.72 ton fugitive PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.5 acres for product, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.06 ton PE/yr)

Therefore, provided compliance is shown with 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: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F023 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g)
	OAC rule 3745-17-07(B)	See A.2.h
	OAC rule 3745-17-08(B)	See A.2.h

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:
 All Unpaved Roadways and Parking Areas

- 2.b The permittee shall employ best available control measures on all unpaved roadways and

Emissions Unit ID: **F023**

parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit F021) permitted under facility ID 0370010207. The emission limitation of 0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the unpaved roadways and parking areas for any proposed site for relocation of the portable

crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

Unpaved Roadways and Parking Areas

All

Minimum Inspection Frequency

Once During Each Day of Operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F024 - 200 tons per hour portable conveying system and associated material handling operations	OAC rule 3745-31-05(A)(3)	0.18 ton fugitive PE per year
		20% opacity, as a 3-minute average for front-end loader dumping onto conveyor
		Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.d)
		See A.2.e
	OAC rule 3745-17-07(B)	See A.2.f
	OAC rule 3745-17-08(B)	See A.2.f
	40 CFR, Part 60, Subpart OOO	The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity (see A.2.g)

2. Additional Terms and Conditions

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

Front-End Loader Dumping onto Conveyor
Material Conveying

- 2.b** The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights and to maintain the inherent moisture content of the materials involved in material handling operations at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** For each 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 handling operation(s) until further observation confirms that use of the control measures is unnecessary.
- 2.d** 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.
- 2.e** The requirements of this rule also include compliance with 40 CFR, Part 60, Subpart OOO.
- 2.f** 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 emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

When the emissions unit is not located within an "Appendix A" area as identified in OAC

Emissions Unit ID: F024

rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.g Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup.
- 2.h 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 for 40 CFR, Part 60, are also federally enforceable.

B. Operational Restrictions

None

C. 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 in accordance with the following minimum frequencies:

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

- 2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
- 3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- 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 measure(s):

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

The information in 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.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

3. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date):
 - b. actual start-up date (within 15 days after such date);
 - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049

Grasan**PTI Application: 03-13056****Modif****Facility ID: 0370010207****Emissions Unit ID: F024**

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points of emissions units F024.
2. 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.
3. 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.
4. 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.
5. 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. 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, Division of Air Pollution Control. 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 District Office's air agency's refusal to accept the results of the emission tests.
6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.

7. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 0.18 ton fugitive PE per year

Applicable Compliance Method: The emission limitation is based on the emission units potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 200 tons per hour times two transfer points multiplied by an AP-42 emission factor of 0.0001 lb PE/ton (Section 11.19.2 - 9/95), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping onto conveyor

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
- the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;

Emissions Unit ID: **F024**

- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
 2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
 - g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

4. permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
		OAC rule 3745-17-07(B)
		OAC rule 3745-17-08(B)
F025 - storage piles	OAC rule 3745-31-05(A)(3)	
load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(B)	
	OAC rule 3745-17-08(B)	
wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	

Applicable Emissions
Limitations/Control Measures

1.26 tons fugitive PE/yr

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)

See A.2.g

See A.2.g

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)

See A.2.g

See A.2.g

2. Additional Terms and Conditions

2.a The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Product Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.
- 2.g** The storage piles are associated with the portable crushing system (emissions unit F024) permitted under facility ID 0370010207. The emission limitation of 1.26 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the

Emissions Unit ID: F025

requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation: 1.26 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 2,190,000 tons per year of product. Wind erosion emissions are based on a maximum storage pile surface area of 0.5 acres as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 2,190,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.6 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-in rate of 2,190,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.6 ton fugitive PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.5 acres for product, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.06 ton PE/yr)

Therefore, provided compliance is shown with the requirements of this permit to

Grasan

PTI Application: 03-12056

Modif**Facility ID: 0370010207**Emissions Unit ID: **F025**

apply best available control measures, compliance with the ton per year PE limitation will be assumed.

- b. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F026 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g)
	OAC rule 3745-17-07(B)	See A.2.h
	OAC rule 3745-17-08(B)	See A.2.h

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:
 All Unpaved Roadways and Parking Areas

- 2.b The permittee shall employ best available control measures on all unpaved roadways and

Emissions Unit ID: **F026**

parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit F024) permitted under facility ID 0370010207. The emission limitation of 0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the unpaved roadways and parking areas for any proposed site for relocation of the portable

crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

<u>Unpaved Roadways and Parking Areas</u>	<u>Minimum Inspection Frequency</u>
All	Once During Each Day of Operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F027 - 200 tons per hour portable conveying system and associated material handling operations	OAC rule 3745-31-05(A)(3)	0.18 ton fugitive PE per year
		20% opacity, as a 3-minute average for front-end loader dumping onto conveyor
		Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.d)
		See A.2.e
	OAC rule 3745-17-07(B)	See A.2.f
	OAC rule 3745-17-08(B)	See A.2.f
	40 CFR, Part 60, Subpart OOO	The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity (see A.2.g)

2. Additional Terms and Conditions

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

Front-End Loader Dumping onto Conveyor
Material Conveying

- 2.b** The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights and to maintain the inherent moisture content of the materials involved in material handling operations at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** For each 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 handling operation(s) until further observation confirms that use of the control measures is unnecessary.
- 2.d** 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.
- 2.e** The requirements of this rule also include compliance with 40 CFR, Part 60, Subpart OOO.
- 2.f** 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 emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

When the emissions unit is not located within an "Appendix A" area as identified in OAC

rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.g Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup.
- 2.h 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 for 40 CFR, Part 60, are also federally enforceable.

B. Operational Restrictions

None

C. 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 in accordance with the following minimum frequencies:

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

- 2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
- 3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- 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 measure(s):

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

The information in 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.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

3. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date):
 - b. actual start-up date (within 15 days after such date);
 - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049

Grasan
PTI Application: 03-13056
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Facility ID: 0370010207

Emissions Unit ID: F027

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points of emissions units F027.
2. 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.
3. 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.
4. 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.
5. 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. 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, Division of Air Pollution Control. 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 District Office's air agency's refusal to accept the results of the emission tests.
6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.

Modification Issued: 5/8/2003

7. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 0.18 ton fugitive PE per year

Applicable Compliance Method: The emission limitation is based on the emission units potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 200 tons per hour times two transfer points multiplied by an AP-42 emission factor of 0.0001 lb PE/ton (Section 11.19.2 - 9/95), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping onto conveyor

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
- the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;

Emissions Unit ID: **F027**

- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
 2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
 - g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.
3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
F028 - storage piles	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(B)
load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-08(B)
	OAC rule 3745-17-07(B)	
	OAC rule 3745-17-08(B)	
wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	

Grasan

PTI Application: 03 12056

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Facility ID: 0370010207

Emissions Unit ID: F028

Applicable Emissions
Limitations/Control Measures

1.26 tons fugitive PE/yr

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)

See A.2.g

See A.2.g

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)

See A.2.g

See A.2.g

2. Additional Terms and Conditions

2.a The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Product Storage Piles

- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile 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 any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measures shall be employed for wind erosion from each pile 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. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f** 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.
- 2.g** The storage piles are associated with the portable crushing system (emissions unit F027) permitted under facility ID 0370010207. The emission limitation of 1.26 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles associated with the portable crushing system.

The storage piles are associated with a portable source and are applicable to the

Emissions Unit ID: F028

requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-In Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile identification</u>	<u>Minimum Load-Out Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Wind Erosion Inspection Frequency</u>
All Storage Piles	Once During Each Day of Operation

- 4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation: 1.26 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 2,190,000 tons per year of product. Wind erosion emissions are based on a maximum storage pile surface area of 0.5 acres as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 2,190,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.6 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-in rate of 2,190,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.011 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.6 ton fugitive PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.5 acres for product, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [13.9 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.06 ton PE/yr)

Therefore, provided compliance is shown with 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: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance

for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

- c. Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F029 - unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	0.19 ton fugitive PE/yr There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.g)
	OAC rule 3745-17-07(B)	See A.2.h
	OAC rule 3745-17-08(B)	See A.2.h

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

Unpaved Roadways:
 All Unpaved Roadways and Parking Areas

- 2.b The permittee shall employ best available control measures on all unpaved roadways and

parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to employ speed reduction, good housekeeping practices and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** The unpaved roadways and parking areas are associated with the portable crushing system (emissions unit F027) permitted under facility ID 0370010207. The emission limitation of 0.19 TPY fugitive PE represents the maximum emissions which will be emitted from the

unpaved roadways and parking areas for any proposed site for relocation of the portable crushing system.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

<u>Unpaved Roadways and Parking Areas</u>	<u>Minimum Inspection Frequency</u>
All	Once During Each Day of Operation

- 2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- 3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- 4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - 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 and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.19 ton fugitive PE/yr for unpaved roadways and parking areas

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 3.89 TPY fugitive PE. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 1000 vehicle miles traveled.
 - b. Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

2. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	crushing system and assorted material handling operations	<u>Applicable Rules/Requirements</u>
P902 - 150 tons per hour portable crushing system and associated material handling		OAC rule 3745-31-05(A)(3)
		OAC rule 3745-17-07(B)
		OAC rule 3745-17-08(B)
		40 CFR, Part 60, Subpart OOO
1.13 mmBtu/hr diesel fired engine used to power the portable		OAC rule 3745-31-05(A)(3)

	<u>Applicable Emissions Limitations/Control Measures</u>	
		See A.2.g
		See A.2.h
	1.07 tons fugitive PE/yr	
	20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder	0.310 lb PE/mmBtu of actual heat input
		See A.2.i
OAC rule 3745-17-07(A)	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.d)	See A.2.j
OAC rule 3745-17-11(B)(5)(a)		See A.2.j
OAC rule 3745-18-06(G)	See A.2.g	
OAC rule 3745-21-07(B)	See A.2.e	
OAC rule 3745-23-06(B)	See A.2.e	
	The permittee shall not cause to be discharged into the atmosphere from any crusher and any crusher discharge onto a belt conveyor, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity (see A.2.f)	
	1.53 tons PE/yr (stack emissions)	
	1.07 lbs CO/hr, 4.69 tons CO/yr	
	4.98 lbs NO _x , 21.81 tons NO _x /yr	
	Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown	

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2. Additional Terms and Conditions

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

Front-End Loader (FEL) Dumping into Vibrating Grizzly Feeder
Vibrating Grizzly Feeder to Crusher
Crusher to Product Conveyor

2.b The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee’s permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

Material Handling Operations

FEL Dumping into Vibrating Grizzly Feeder
Vibrating Grizzly Feeder to Crusher
Crusher to Product Conveyor (transfer point)

Control Measures

Watering and Low Drop Heights
Watering
Watering

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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- 2.c** For each 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 handling operations until further observation confirms that use of the control measures is unnecessary.
- 2.d** 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.
- 2.e** 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 emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.
- When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.f** Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup.
- 2.g** The requirements of this rule also include compliance with OAC rule 3745-17-07(A), OAC rule 3745-17-11(B)(5)(a), OAC rule 3745-18-06(G), OAC rule 3745-21-07(B), OAC rule 3745-23-06(B) and 40 CFR, Part 60, Subpart OOO.
- 2.h** The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 2.i** This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
- 2.j** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B), by committing to

comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

- 2.k The permittee shall employ best available control measures for the above identified material handling operations/sources for the purpose of ensuring compliance with the above mentioned requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above requirements, the permittee shall employ best available control measures to ensure compliance.

B. Operational Restrictions

- 1. The permittee shall only burn #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) in this emissions unit.

C. 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 in accordance with the following minimum frequencies:

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

- 2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
- 3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- 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 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 #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
4. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a crusher:
 - i. the rated capacity, in tons per hour, of the existing facility being replaced, and

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- ii. the rated capacity, in tons per hour, of the replacement equipment;
- b. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

5. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date):
 - b. actual start-up date (within 15 days after such date);
 - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points and crushers of emissions units P902.
2. 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.

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3. 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.
4. 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.
5. 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. 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, Division of Air Pollution Control. 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 District Office's air agency's refusal to accept the results of the emission tests.
6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.
7. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 1.07 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 150 tons per hour multiplied by the AP-42 emission factor 0.00124 lb PE/ton (Section 11.19.2 - 9/95) for the crusher and 0.0001 lb PE/ton (Section 11.19.2 - 9/95) for the four

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transfer points, a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any crusher and any crusher discharge onto a belt conveyor, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- d. Emission Limitation: 1.53 tons PE/yr (stack emissions)

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum heat input rate of 1.13 mmBtu/hr multiplied by the AP-42 emission factor of 0.31 lb PE/mmBtu (Section 3.3 - 10/96), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- e. Emission Limitation: 1.07 lbs CO/hr, 4.69 tons CO/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 10 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 1.13 mmBtu/hr multiplied by the AP-42 emission factor of 0.95 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the

annual limitation is assumed.

- f. Emission Limitation: 4.98 lbs NO_x/hr, 21.81 tons NO_x/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 7 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 1.13 mmBtu/hr multiplied by the AP-42 emission factor of 4.41 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- g. Emission Limitation: Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

- h. Emission Limitation: 0.310 lb PE/mmBtu of actual heat input

Applicable Compliance Method: The permittee shall demonstrate compliance by using an AP-42 emission factor of 0.31 lb PM₁₀/mmBtu (Section 3.3 - 10/96) (assume all PE is PM₁₀). Compliance with the annual limitation shall be demonstrated by multiplying the hourly emission limitation by 8760 and dividing by 2000. If required, compliance shall be demonstrated by testing using Methods 1-4 and 5 (including the front and back-half of the sampling train) of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
 - a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

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- b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
- a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
 - g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or

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mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	used to power the portable crushing system and assorted material handling operations	<u>Applicable Rules/Requirements</u>
P903 - 200 tons per hour portable crushing system and associated material handling		OAC rule 3745-31-05(A)(3)
		OAC rule 3745-17-07(B)
		OAC rule 3745-17-08(B)
		40 CFR, Part 60, Subpart OOO
1.13 mmBtu/hr diesel fired engine		OAC rule 3745-31-05(A)(3)

	<u>Applicable Emissions Limitations/Control Measures</u>	
		start-up and shutdown
		See A.2.g
	1.62 tons fugitive PE/yr	See A.2.h
	20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder	0.310 lb PE/mmBtu of actual heat input
		See A.2.i
OAC rule 3745-17-07(A)	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.d)	See A.2.j
OAC rule 3745-17-11(B)(5)(a)		See A.2.j
	See A.2.g	
OAC rule 3745-18-06(G)		
	See A.2.e	
OAC rule 3745-21-07(B)		
	See A.2.e	
OAC rule 3745-23-06(B)		
	The permittee shall not cause to be discharged into the atmosphere from any crusher and any crusher discharge onto a belt conveyor, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity (see A.2.f)	
	1.53 tons PE/yr (stack emissions)	
	1.07 lbs CO/hr, 4.69 tons CO/yr	
	4.98 lbs NO _x , 21.81 tons NO _x /yr	
	Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during	

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2. Additional Terms and Conditions

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

- Front-End Loader (FEL) Dumping into Vibrating Grizzly Feeder
- Vibrating Grizzly Feeder to Crusher
- Crusher to Product Conveyor
- Vibrating Grizzly Feeder to Dirt Conveyor

2.b The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

<u>Material Handling Operations</u>	<u>Control Measures</u>
FEL Dumping into Vibrating Grizzly Feeder	Watering and Low Drop Heights
Vibrating Grizzly Feeder to Crusher	Watering
Crusher to Product Conveyor (transfer point)	Watering
Vibrating Grizzly Feeder to Dirt Conveyor	Watering

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.c For each 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 handling operations until further observation confirms that use of the control measures is unnecessary.

2.d 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.

2.e 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 emission limitations and control requirements

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established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.f** Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup.
- 2.g** The requirements of this rule also include compliance with OAC rule 3745-17-07(A), OAC rule 3745-17-11(B)(5)(a), OAC rule 3745-18-06(G), OAC rule 3745-21-07(B), OAC rule 3745-23-06(B) and 40 CFR, Part 60, Subpart OOO.
- 2.h** The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 2.i** This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
- 2.j** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B), by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.
- 2.k** The permittee shall employ best available control measures for the above identified material handling operations/sources for the purpose of ensuring compliance with the above mentioned requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above requirements, the permittee shall employ best available control measures to ensure compliance.

B. Operational Restrictions

1. The permittee shall only burn #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) in this

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emissions unit.

C. 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 in accordance with the following minimum frequencies:

Material Handling Operations

All

Minimum Inspection Frequency

Once During Each Day of Operation

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
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 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 #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
4. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a crusher:
 - i. the rated capacity, in tons per hour, of the existing facility being replaced, and
 - ii. the rated capacity, in tons per hour, of the replacement equipment;
 - b. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

5. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date):

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- b. actual start-up date (within 15 days after such date);
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points and crushers of emissions units P903.
2. 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.
3. 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.
4. 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.
5. 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. 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, Division of Air Pollution Control. The "Intent to Test" notification

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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 District Office's air agency's refusal to accept the results of the emission tests.

6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.
7. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 1.62 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 200 tons per hour multiplied by the AP-42 emission factor 0.00124 lb PE/ton (Section 11.19.2 - 9/95) for the crusher and 0.0001 lb PE/ton (Section 11.19.2 - 9/95) for the six transfer points, a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any crusher and any crusher discharge onto a belt conveyor, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

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- d. Emission Limitation: 1.53 tons PE/yr (stack emissions)

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum heat input rate of 1.13 mmBtu/hr multiplied by the AP-42 emission factor of 0.31 lb PE/mmBtu (Section 3.3 - 10/96), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- e. Emission Limitation: 1.07 lbs CO/hr, 4.69 tons CO/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 10 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 1.13 mmBtu/hr multiplied by the AP-42 emission factor of 0.95 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- f. Emission Limitation: 4.98 lbs NOx/hr, 21.81 tons NOx/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 7 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 1.13 mmBtu/hr multiplied by the AP-42 emission factor of 4.41 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- g. Emission Limitation: Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

- h. Emission Limitation: 0.310 lb PE/mmBtu of actual heat input

Applicable Compliance Method: The permittee shall demonstrate compliance by using an AP-42 emission factor of 0.31 lb PM₁₀/mmBtu (Section 3.3 - 10/96) (assume all PE is PM₁₀). Compliance with the annual limitation shall be demonstrated by multiplying the hourly emission limitation by 8760 and dividing by 2000. If required, compliance shall be demonstrated by testing using Methods 1-4 and 5 (including the front and back-half of the sampling train) of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
 - a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration

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status;

- b. the portable emissions unit is equipped with best available technology;
- c. the portable emission unit owner has identified the proposed site to Ohio EPA;

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- d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
- e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
- f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
- g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>used to power the portable crushing system and assorted material handling operations</u>	<u>Applicable Rules/Requirements</u>
P904 - 150 tons per hour portable crushing system and associated material handling		OAC rule 3745-31-05(A)(3)
		OAC rule 3745-17-07(B)
		OAC rule 3745-17-08(B)
		40 CFR, Part 60, Subpart OOO
1.13 mmBtu/hr diesel fired engine		OAC rule 3745-31-05(A)(3)

	<u>Applicable Emissions Limitations/Control Measures</u>	
	1.20 tons fugitive PE/yr	6-minute average, except during start-up and shutdown See A.2.g
	20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder	See A.2.h 0.310 lb PE/mmBtu of actual heat input
OAC rule 3745-17-07(A)	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.d)	See A.2.i See A.2.j
OAC rule 3745-17-11(B)(5)(a)	See A.2.g	See A.2.j
OAC rule 3745-18-06(G)	See A.2.e	
OAC rule 3745-21-07(B)	See A.2.e	
OAC rule 3745-23-06(B)	The permittee shall not cause to be discharged into the atmosphere from any crusher and any crusher discharge onto a belt conveyor, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity (see A.2.f)	
	1.53 tons PE/yr (stack emissions)	
	1.07 lbs CO/hr, 4.69 tons CO/yr	
	4.98 lbs NOx, 21.81 tons NOx/yr	
	Visible particulate emissions shall not exceed 10% opacity as a	

2. Additional Terms and Conditions

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

- Front-End Loader (FEL) Dumping into Vibrating Grizzly Feeder
- Vibrating Grizzly Feeder to Crusher (crusher)
- Crusher to Product Conveyor (transfer point)
- Vibrating Grizzly Feeder to Dirt Conveyor (transfer point)

2.b The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

<u>Material Handling Operations</u>	<u>Control Measures</u>
FEL Dumping into Vibrating Grizzly Feeder	Watering and Low Drop Heights
Vibrating Grizzly Feeder to Crusher	Watering
Crusher to Product Conveyor (transfer point)	Watering
Vibrating Grizzly Feeder to Dirt Conveyor	Watering

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.c For each 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 handling operations until further observation confirms that use of the control measures is unnecessary.

2.d 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.

2.e 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 emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or

less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.f** Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup.
- 2.g** The requirements of this rule also include compliance with OAC rule 3745-17-07(A), OAC rule 3745-17-11(B)(5)(a), OAC rule 3745-18-06(G), OAC rule 3745-21-07(B), OAC rule 3745-23-06(B) and 40 CFR, Part 60, Subpart OOO.
- 2.h** The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 2.i** This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
- 2.j** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B), by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.
- 2.k** The permittee shall employ best available control measures for the above identified material handling operations/sources for the purpose of ensuring compliance with the above mentioned requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above requirements, the permittee shall employ best available control measures to ensure compliance.

B. Operational Restrictions

1. The permittee shall only burn #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) in this

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emissions unit.

C. 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 in accordance with the following minimum frequencies:

Material Handling Operations

All

Minimum Inspection Frequency

Once During Each Day of Operation

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
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 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 #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

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1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
4. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a crusher:
 - i. the rated capacity, in tons per hour, of the existing facility being replaced, and
 - ii. the rated capacity, in tons per hour, of the replacement equipment;
 - b. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

5. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date):

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- b. actual start-up date (within 15 days after such date);
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points and crushers of emissions units P904.
2. 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.
3. 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.
4. 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.
5. 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. 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, Division of Air Pollution Control. 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 District Office's air agency's refusal to accept the results of the emission tests.

6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.
7. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 1.20 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 150 tons per hour multiplied by the AP-42 emission factor 0.00124 lb PE/ton (Section 11.19.2 - 9/95) for the crusher and 0.0001 lb PE/ton (Section 11.19.2 - 9/95) for the six transfer points, a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any crusher and any crusher discharge onto a belt conveyor, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- d. Emission Limitation: 1.53 tons PE/yr (stack emissions)

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum heat input rate of 1.13 mmBtu/hr multiplied by the AP-42 emission factor of 0.31 lb PE/mmBtu (Section 3.3 - 10/96), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- e. Emission Limitation: 1.07 lbs CO/hr, 4.69 tons CO/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 10 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 1.13 mmBtu/hr multiplied by the AP-42 emission factor of 0.95 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- f. Emission Limitation: 4.98 lbs NO_x/hr, 21.81 tons NO_x/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 7 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 1.13 mmBtu/hr multiplied by the AP-42 emission factor of 4.41 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the

annual limitation is assumed.

- g. Emission Limitation: Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

- h. Emission Limitation: 0.310 lb PE/mmBtu of actual heat input

Applicable Compliance Method: The permittee shall demonstrate compliance by using an AP-42 emission factor of 0.31 lb PM₁₀/mmBtu (Section 3.3 - 10/96) (assume all PE is PM₁₀). Compliance with the annual limitation shall be demonstrated by multiplying the hourly emission limitation by 8760 and dividing by 2000. If required, compliance shall be demonstrated by testing using Methods 1-4 and 5 (including the front and back-half of the sampling train) of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
 - a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;

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- c. the portable emission unit owner has identified the proposed site to Ohio EPA;
- d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
- e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
- f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
- g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

Grasan

PTI Application: 03 13056

Modif

Facility ID: 0370010207

Emissions Unit ID: P905

OAC rule 3745-31-05(A)(3)

Applicable Emissions
Limitations/Control Measures

80.02 tons fugitive PE/yr

20% opacity, as a 3-minute average for front-end loader dumping onto feed conveyor

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.d)

OAC rule 3745-17-07(A)

OAC rule 3745-17-11(B)(5)(a)

See A.2.g

OAC rule 3745-18-06(G)

See A.2.e

OAC rule 3745-21-07(B)

See A.2.e

OAC rule 3745-23-06(B)

The permittee shall not cause to be discharged into the atmosphere from any screening operation any fugitive emissions which exhibit greater than 10% opacity (see A.2.f)

The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity (see A.2.f)

Grasa

PTI A

Modification Issued: 5/8/2003

Emissions Unit ID: **P905**

0.74 tons PE/yr (stack emissions)

0.53 lb CO/hr, 2.33 tons CO/yr

2.47 lbs NO_x, 10.82 tons NO_x/yr

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

See A.2.g

See A.2.h

0.310 lb PE/mmBtu of actual heat input

See A.2.i

See A.2.j

See A.2.j

2. Additional Terms and Conditions

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

Front-End Loader Dumping into Feed Conveyor
Feed Conveyor to Screen
Screen to Main Conveyor
Screen to Side #1 Conveyor
Screen to Side #2 Conveyor
Screen to Fines Conveyor

- 2.b** The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to

ensure compliance:

<u>Material Handling Operations</u>	<u>Control Measures</u>
Front-End Loader Dumping into Feed Conveyor	Watering and Low Drop Heights
Feed Conveyor to Screen	Watering
Screen to Main Conveyor	Watering
Screen to Side #1 Conveyor	Watering
Screen to Side #2 Conveyor	Watering
Screen to Fines Conveyor	Watering

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** For each 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 handling operations until further observation confirms that use of the control measures is unnecessary.
- 2.d** 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.
- 2.e** 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 emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.f** Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be

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Facility ID: 0370010207

Emissions Unit ID: P905

operated, but no later than 180 days after initial startup.

- 2.g The requirements of this rule also include compliance with OAC rule 3745-17-07(A), OAC rule 3745-17-11(B)(5)(a), OAC rule 3745-18-06(G), OAC rule 3745-21-07(B), OAC rule 3745-23-06(B) and 40 CFR, Part 60, Subpart OOO.
- 2.h The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 2.i This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
- 2.j The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B), by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.
- 2.k The permittee shall employ best available control measures for the above identified material handling operations/sources for the purpose of ensuring compliance with the above mentioned requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above requirements, the permittee shall employ best available control measures to ensure compliance.

B. Operational Restrictions

1. The permittee shall only burn #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) in this emissions unit.

C. 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 in accordance with the following minimum frequencies:

Material Handling Operations
All

Minimum Inspection Frequency
Once During Each Day of Operation

2. The above-mentioned inspections shall be performed during representative, normal operating

conditions.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
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 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 #2 fuel oil, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) was burned in this emissions

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unit. Each report shall be submitted within 30 days after the deviation occurs.

3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a screen:
 - i. the rated capacity, in tons per hour, of the existing facility being replaced, and
 - ii. the rated capacity, in tons per hour, of the replacement equipment;
 - b. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

4. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date):
 - b. actual start-up date (within 15 days after such date);
 - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
 DAPC - Permit Management Unit
 Lazarus Government Center
 P.O. Box 1049
 Columbus, Ohio 43216-1049

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points and screens of emissions units P905.
2. 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.
3. 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.
4. 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.
5. 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. 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, Division of Air Pollution Control. 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 District Office's air agency's refusal to accept the results of the emission tests.
6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.

Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 80.02 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 300 tons per hour multiplied by the AP-42 emission factor 0.0316 lb PE/ton (Section 11.19.2 - 9/95) for the screen and 0.00294 lb PE/ton (Section 11.19.2 - 9/95) for the ten transfer points, a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any screening operation any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- d. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- e. Emission Limitation: 0.74 tons PE/yr (stack emissions)

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 0.31 lb PE/mmBtu (Section 3.3 - 10/96), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- f. Emission Limitation: 0.53 lb CO/hr, 2.33 tons CO/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 10 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 0.95 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- g. Emission Limitation: 2.47 lbs NO_x/hr, 10.82 tons NO_x/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 7 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 4.41 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- h. Emission Limitation: Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

- i. Emission Limitation: 0.310 lb PE/mmBtu of actual heat input

Applicable Compliance Method: The permittee shall demonstrate compliance by using an AP-42 emission factor of 0.31 lb PM₁₀/mmBtu (Section 3.3 - 10/96) (assume all PE is PM₁₀). Compliance with the annual limitation shall be demonstrated by multiplying the hourly emission limitation by 8760 and dividing by 2000. If required, compliance shall be demonstrated by testing using Methods 1-4 and 5 (including the front and back-half of the sampling train) of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
 - a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published

in the county where the proposed site is located;

- f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
- g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

- 3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
- 4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

- 5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

Grasan

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Facility ID: 0370010207

Emissions Unit ID: P906

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>		<u>Applicable Rules/Requirements</u>
P906 - 250 tons per hour portable screening system and associated material handling operations	0.56 mmBtu/hr diesel fired engine used to power portable screening system and associated material handling operations	OAC rule 3745-31-05(A)(3)
		OAC rule 3745-17-07(B)
		OAC rule 3745-17-08(B)
		40 CFR, Part 60, Subpart OOO

OAC rule 3745-31-05(A)(3)

Applicable Emissions
Limitations/Control Measures

47.37 tons fugitive PE/yr

20% opacity, as a 3-minute average
for front-end loader dumping onto
feed conveyor

Best available control measures that
are sufficient to minimize or
eliminate visible emissions of
fugitive dust (see A.2.a through
A.2.d)

OAC rule 3745-17-07(A)

OAC rule 3745-17-11(B)(5)(a)

See A.2.g

OAC rule 3745-18-06(G)

See A.2.e

OAC rule 3745-21-07(B)

See A.2.e

OAC rule 3745-23-06(B)

The permittee shall not cause to be
discharged into the atmosphere from
any screening operation any fugitive
emissions which exhibit greater than
10% opacity (see A.2.f)

The permittee shall not cause to be
discharged into the atmosphere from
any transfer point any fugitive
emissions which exhibit greater than
10% opacity (see A.2.f)

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Modification Issued: 5/8/2003

Emissions Unit ID: **P906**

0.74 tons PE/yr (stack emissions)

0.53 lb CO/hr, 2.33 tons CO/yr

2.47 lbs NO_x, 10.82 tons NO_x/yr

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

See A.2.g

See A.2.h

0.310 lb PE/mmBtu of actual heat input

See A.2.i

See A.2.j

See A.2.j

2. Additional Terms and Conditions

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

Front-End Loader Dumping into Belt Feeder
Belt Feeder to Screen
Screen to Product Conveyor

2.b The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee, has committed to perform the following control measure(s) to ensure compliance:

Material Handling Operations

Control Measures

Front-End Loader Dumping into Belt Feeder Watering and Low Drop Heights	
Belt Feeder to Screen	Watering
Screen to Product Conveyor	Watering

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** For each 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 handling operations until further observation confirms that use of the control measures is unnecessary.
- 2.d** 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.
- 2.e** 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 emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.f** Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup.
- 2.g** The requirements of this rule also include compliance with OAC rule 3745-17-07(A), OAC rule 3745-17-11(B)(5)(a), OAC rule 3745-18-06(G), OAC rule 3745-21-07(B), OAC rule 3745-23-06(B) and 40 CFR, Part 60, Subpart OOO.

- 2.h The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 2.i This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
- 2.j The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B), by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.
- 2.k The permittee shall employ best available control measures for the above identified material handling operations/sources for the purpose of ensuring compliance with the above mentioned requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above requirements, the permittee shall employ best available control measures to ensure compliance.

B. Operational Restrictions

- 1. The permittee shall only burn #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) in this emissions unit.

C. 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 in accordance with the following minimum frequencies:

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

- 2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
- 3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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 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 #2 fuel oil, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a screen:

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- i. the rated capacity, in tons per hour, of the existing facility being replaced, and
 - ii. the rated capacity, in tons per hour, of the replacement equipment;
- b. for a conveyor belt:
- i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

4. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:

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- a. construction date (no later than 30 days after such date):
- b. actual start-up date (within 15 days after such date);
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points and screens of emissions units P906.
2. 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.
3. 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.
4. 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.
5. 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. Not

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later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. 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 District Office's air agency's refusal to accept the results of the emission tests.

6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.

Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 47.37 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 250 tons per hour multiplied by the AP-42 emission factor 0.0316 lb PE/ton (Section 11.19.2 - 9/95) for the screen and 0.00294 lb PE/ton (Section 11.19.2 - 9/95) for the four transfer points, a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any screening operation any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- d. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- e. Emission Limitation: 0.74 tons PE/yr (stack emissions)

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 0.31 lb PE/mmBtu (Section 3.3 - 10/96), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- f. Emission Limitation: 0.53 lb CO/hr, 2.33 tons CO/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 10 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 0.95 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- g. Emission Limitation: 2.47 lbs NO_x/hr, 10.82 tons NO_x/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this

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

*The potential-to-emit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 4.41 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- h. Emission Limitation: Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

- i. Emission Limitation: 0.310 lb PE/mmBtu of actual heat input

Applicable Compliance Method: The permittee shall demonstrate compliance by using an AP-42 emission factor of 0.31 lb PM₁₀/mmBtu (Section 3.3 - 10/96) (assume all PE is PM₁₀). Compliance with the annual limitation shall be demonstrated by multiplying the hourly emission limitation by 8760 and dividing by 2000. If required, compliance shall be demonstrated by testing using Methods 1-4 and 5 (including the front and back-half of the sampling train) of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
 - a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction

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over the new site within a minimum of thirty days prior to the scheduled relocation; and,

- d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
 - g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
4. The permittee should be advised that when portable emission units are located at a stationary

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source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>		<u>Applicable Rules/Requirements</u>
P907 - 300 tons per hour portable screening system and associated material handling operations	0.56 mmBtu/hr diesel fired engine used to power portable screening system and associated material handling operations	OAC rule 3745-31-05(A)(3)
		OAC rule 3745-17-07(B)
		OAC rule 3745-17-08(B)
		40 CFR, Part 60, Subpart OOO

OAC rule 3745-31-05(A)(3)

Applicable Emissions
Limitations/Control Measures

56.84 tons fugitive PE/yr

20% opacity, as a 3-minute average
for front-end loader dumping onto
feed conveyor

Best available control measures that
are sufficient to minimize or
eliminate visible emissions of
fugitive dust (see A.2.a through
A.2.d)

OAC rule 3745-17-07(A)

OAC rule 3745-17-11(B)(5)(a)

See A.2.g

OAC rule 3745-18-06(G)

See A.2.e

OAC rule 3745-21-07(B)

See A.2.e

OAC rule 3745-23-06(B)

The permittee shall not cause to be
discharged into the atmosphere from
any screening operation any fugitive
emissions which exhibit greater than
10% opacity (see A.2.f)

The permittee shall not cause to be
discharged into the atmosphere from
any transfer point any fugitive
emissions which exhibit greater than
10% opacity (see A.2.f)

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0.74 tons PE/yr (stack emissions)

0.53 lb CO/hr, 2.33 tons CO/yr

2.47 lbs NO_x, 10.82 tons NO_x/yr

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

See A.2.g

See A.2.h

0.310 lb PE/mmBtu of actual heat input

See A.2.i

See A.2.j

See A.2.j

2. Additional Terms and Conditions

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

Front-End Loader Dumping into Belt Feeder
Belt Feeder to Screen
Screen to Product Conveyor

2.b The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee, has committed to perform the following control measure(s) to ensure compliance:

Material Handling Operations

Control Measures

Front-End Loader Dumping into Belt Feeder Watering and Low Drop Heights	
Belt Feeder to Screen	Watering
Screen to Product Conveyor	Watering

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** For each 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 handling operations until further observation confirms that use of the control measures is unnecessary.
- 2.d** 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.
- 2.e** 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 emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.
- When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.f** Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup.
- 2.g** The requirements of this rule also include compliance with OAC rule 3745-17-07(A), OAC rule 3745-17-11(B)(5)(a), OAC rule 3745-18-06(G), OAC rule 3745-21-07(B), OAC rule 3745-23-06(B) and 40 CFR, Part 60, Subpart OOO.

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- 2.h The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 2.i This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
- 2.j The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B), by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.
- 2.k The permittee shall employ best available control measures for the above identified material handling operations/sources for the purpose of ensuring compliance with the above mentioned requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above requirements, the permittee shall employ best available control measures to ensure compliance.

B. Operational Restrictions

1. The permittee shall only burn #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) in this emissions unit.

C. 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 in accordance with the following minimum frequencies:

Material Handling Operations

All

Minimum Inspection Frequency

Once During Each Day of Operation

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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 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 #2 fuel oil, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a screen:

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- i. the rated capacity, in tons per hour, of the existing facility being replaced, and
 - ii. the rated capacity, in tons per hour, of the replacement equipment;
- b. for a conveyor belt:
- i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

4. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:

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- a. construction date (no later than 30 days after such date):
- b. actual start-up date (within 15 days after such date);
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points and screens of emissions units P907.
2. 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.
3. 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.
4. 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.
5. 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. 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, Division of Air Pollution Control. 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 District Office's air agency's refusal to accept the results of the emission tests.

6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.

Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 56.84 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 300 tons per hour multiplied by the AP-42 emission factor 0.0316 lb PE/ton (Section 11.19.2 - 9/95) for the screen and 0.00294 lb PE/ton (Section 11.19.2 - 9/95) for the four transfer points, a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any screening operation any fugitive emissions which exhibit greater than 10% opacity.

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Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- d. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- e. Emission Limitation: 0.74 tons PE/yr (stack emissions)

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 0.31 lb PE/mmBtu (Section 3.3 - 10/96), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- f. Emission Limitation: 0.53 lb CO/hr, 2.33 tons CO/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 10 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 0.95 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- g. Emission Limitation: 2.47 lbs NO_x/hr, 10.82 tons NO_x/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 7 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 4.41 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the

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annual limitation is assumed.

- h. Emission Limitation: Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

- i. Emission Limitation: 0.310 lb PE/mmBtu of actual heat input

Applicable Compliance Method: The permittee shall demonstrate compliance by using an AP-42 emission factor of 0.31 lb PM₁₀/mmBtu (Section 3.3 - 10/96) (assume all PE is PM₁₀). Compliance with the annual limitation shall be demonstrated by multiplying the hourly emission limitation by 8760 and dividing by 2000. If required, compliance shall be demonstrated by testing using Methods 1-4 and 5 (including the front and back-half of the sampling train) of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
 - a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

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- b. the portable emissions unit is equipped with best available technology;

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- c. the portable emission unit owner has identified the proposed site to Ohio EPA;
- d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
- e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
- f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
- g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

- 3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
- 4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

- 5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	0.56 mmBtu/hr diesel fired engine used to power portable screening system and associated material handling operations	<u>Applicable Rules/Requirements</u>
P908 - 300 tons per hour portable screening system and associated material handling operations		OAC rule 3745-31-05(A)(3)
		OAC rule 3745-17-07(B)
		OAC rule 3745-17-08(B)
		40 CFR, Part 60, Subpart OOO

OAC rule 3745-31-05(A)(3)

Applicable Emissions
Limitations/Control Measures

80.02 tons fugitive PE/yr

20% opacity, as a 3-minute average
for front-end loader dumping onto
feed conveyor

Best available control measures that
are sufficient to minimize or
eliminate visible emissions of
fugitive dust (see A.2.a through
A.2.d)

OAC rule 3745-17-07(A)

OAC rule 3745-17-11(B)(5)(a)

See A.2.g

OAC rule 3745-18-06(G)

See A.2.e

OAC rule 3745-21-07(B)

See A.2.e

OAC rule 3745-23-06(B)

The permittee shall not cause to be
discharged into the atmosphere from
any screening operation any fugitive
emissions which exhibit greater than
10% opacity (see A.2.f)

The permittee shall not cause to be
discharged into the atmosphere from
any transfer point any fugitive
emissions which exhibit greater than
10% opacity (see A.2.f)

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0.74 tons PE/yr (stack emissions)

0.53 lb CO/hr, 2.33 tons CO/yr

2.47 lbs NO_x, 10.82 tons NO_x/yr

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

See A.2.g

See A.2.h

0.310 lb PE/mmBtu of actual heat input

See A.2.i

See A.2.j

See A.2.j

2. Additional Terms and Conditions

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

- Front-End Loader Dumping into Feed Conveyor
- Feed Conveyor to Screen
- Screen to Main Conveyor
- Screen to Side #1 Conveyor
- Screen to Side #2 Conveyor
- Screen to Fines Conveyor

2.b The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to

ensure compliance:

<u>Material Handling Operations</u>	<u>Control Measures</u>
Front-End Loader Dumping into Feed Conveyor	Watering and Low Drop Heights
Feed Conveyor to Screen	Watering
Screen to Main Conveyor	Watering
Screen to Side #1 Conveyor	Watering
Screen to Side #2 Conveyor	Watering
Screen to Fines Conveyor	Watering

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** For each 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 handling operations until further observation confirms that use of the control measures is unnecessary.
- 2.d** 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.
- 2.e** 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 emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR, Part 60, Subpart OOO.

When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.f** Compliance with the opacity limitations shall have been achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be

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operated, but no later than 180 days after initial startup.

- 2.g The requirements of this rule also include compliance with OAC rule 3745-17-07(A), OAC rule 3745-17-11(B)(5)(a), OAC rule 3745-18-06(G), OAC rule 3745-21-07(B), OAC rule 3745-23-06(B) and 40 CFR, Part 60, Subpart OOO.
- 2.h The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 2.i This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).
- 2.j The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B), by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.
- 2.k The permittee shall employ best available control measures for the above identified material handling operations/sources for the purpose of ensuring compliance with the above mentioned requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in fugitive dust operations/sources is at a level which is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above requirements, the permittee shall employ best available control measures to ensure compliance.

B. Operational Restrictions

1. The permittee shall only burn #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) in this emissions unit.

C. 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 in accordance with the following minimum frequencies:

Material Handling Operations

All

Minimum Inspection Frequency

Once During Each Day of Operation

2. The above-mentioned inspections shall be performed during representative, normal operating

conditions.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
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 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 #2 fuel oil, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than #2 fuel oil (with less than or equal to 0.5%, by weight, sulfur) was burned in this emissions

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unit. Each report shall be submitted within 30 days after the deviation occurs.

3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a screen:
 - i. the rated capacity, in tons per hour, of the existing facility being replaced, and
 - ii. the rated capacity, in tons per hour, of the replacement equipment;
 - b. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of after the equipment replacement.

4. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date):
 - b. actual start-up date (within 15 days after such date);
 - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, Ohio 43216-1049

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points and screens of emissions units P908.
2. 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.
3. 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.
4. 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.
5. 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. 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, Division of Air Pollution Control. 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 District Office's air agency's refusal to accept the results of the emission tests.
6. Personnel from the Ohio EPA District Office's air agency 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. 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 Division of Air Pollution Control within 30 days following completion of the tests.

Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 80.02 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum throughput rate of 300 tons per hour multiplied by the AP-42 emission factor 0.0316 lb PE/ton (Section 11.19.2 - 9/95) for the screen and 0.00294 lb PE/ton (Section 11.19.2 - 9/95) for the ten transfer points, a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- b. Emission Limitation: 20% opacity, as a 3-minute average for front-end loader dumping into vibrating grizzly feeder

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.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any screening operation any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- d. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated by the testing requirements specified in sections E.1 through E.6 above.

- e. Emission Limitation: 0.74 tons PE/yr (stack emissions)

Applicable Compliance Method: The emission limitation is based on the emission unit's potential-to-emit*. Therefore, no recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation.

*The potential-to-emit for this emissions unit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 0.31 lb PE/mmBtu (Section 3.3 - 10/96), a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton.

- f. Emission Limitation: 0.53 lb CO/hr, 2.33 tons CO/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 10 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 0.95 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- g. Emission Limitation: 2.47 lbs NO_x/hr, 10.82 tons NO_x/yr

Applicable Compliance Method: The hourly emission limitation is based on the emission unit's potential-to-emit*. Therefore, no hourly recordkeeping, deviation reporting or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 7 of 40 CFR, Part 60, Appendix A.

*The potential-to-emit is based on a maximum heat input rate of 0.56 mmBtu/hr multiplied by the AP-42 emission factor of 4.41 lb CO/mmBtu (Section 3.3 - 10/96).

The tons/yr emission limitation was developed by multiplying the lb/hr emission limitation by a maximum operating schedule of 8760 hrs/yr divided by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual limitation is assumed.

- h. Emission Limitation: Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

- i. Emission Limitation: 0.310 lb PE/mmBtu of actual heat input

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Applicable Compliance Method: The permittee shall demonstrate compliance by using an AP-42 emission factor of 0.31 lb PM₁₀/mmBtu (Section 3.3 - 10/96) (assume all PE is PM₁₀). Compliance with the annual limitation shall be demonstrated by multiplying the hourly emission limitation by 8760 and dividing by 2000. If required, compliance shall be demonstrated by testing using Methods 1-4 and 5 (including the front and back-half of the sampling train) of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
 - a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published

in the county where the proposed site is located;

- f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
- g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

- 3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
- 4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions of carbon monoxide and nitrogen oxides from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

- 5. The permittee (Grasan) has made the agency aware of their intent to lease/rent the portable emission unit. The requirements of this permit (i.e., compliance with limitations, terms and conditions, monitoring, recordkeeping reporting, testing, etc.) can be fulfilled by parties other than Grasan (i.e., leasee/renter). Grasan should be aware that despite not necessarily having to fulfill the requirements of this permit directly, the permittee is still ultimately responsible for compliance with the requirements of this permit.