



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

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

Lazarus Gov.
Center

RE: **FINAL PERMIT TO INSTALL MODIFICATION** **CERTIFIED MAIL**

LUCAS COUNTY

Application No: 04-01133

Fac ID: 0448970003

DATE: 7/21/2005

Integrated Resources, Inc. (Genoa Plant)
Scott Stansley
3810 Herr Road
Sylvania, OH 43560

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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

TDES



**Permit To Install
Terms and Conditions**

**Issue Date: 7/21/2005
Effective Date: 7/21/2005**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 04-01133

Application Number: **04-01133**
APS Premise Number: **0448970003**
Permit Fee: **\$0**
Name of Facility: **Integrated Resources, Inc. (Genoa Plant) Stansley**
Person to Contact: **Scott**
Address: **3810 Herr Road
Sylvania, OH 43560**

Location of proposed air contaminant source(s) [emissions unit(s)]:
**3810 Herr Road
Sylvania, OHIO**

Description of modification:
Modification of Facility ID for PTI 04-01133 to make the redi mix concrete plant portable.

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

Integrated Resources, Inc. (Genoa Plant)

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GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(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 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 are inadequate or cannot meet applicable standards.

If the construction of the proposed source(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 Ohio Administrative Code (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 applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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.

PERMIT TO OPERATE APPLICATION AND OPERATION AFTER COMPLETION OF CONSTRUCTION

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

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 ninety (90) days after commencing operation of the source(s) covered by this permit.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Integrated Resources, Inc. (Genoa Plant)** located in **LUCAS** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>
F005	Roadways & Parking Areas Loading onto and loadout from piles
F007	Transfer of sand and aggregate to bins
F006	Storage Piles Cement transfer to silos Silos vents Weight hopper loading
F008	

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	ants wind screens	Maintain sufficient moisture for sand and stone, enclosure and fabric filter for cement loading		3745-17-07 (B) (1)
<u>BAT Determination</u>			<u>Applicable Federal & OAC Rules</u>	3745-31-05
Use of water and or suitable dust suppressants, 5 MPH limit		Adjustable chute, water spray	3745-31-05 3745-17-07 (B) (5)	3745-17-07 (B) (1) 3745-31-05
	Minimize drop heights		3745-17-08 (B)	3745-31-05
	Opacity restrictions, maintain sufficient moisture		3745-31-05 3745-17-07 (B) (6)	3745-31-05
Use of water and or suitable dust suppress	Pneumatic loading of cement		3745-17-08 (B)	3745-31-05
	Enclosure and fabric filter			* 3745-17-08 * 3745-17-07

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
Permit Allowable Mass Emissions and/or Control/Usage Requirements	suitable dust suppressant sufficient to minimize or eliminate visible emissions of fugitive dust.	average. 4.0 lbs/hr PM 1.02 tons/yr PM		
	0.16 ton/yr PM 0.26 lb/hr PM	Closed system No visible emissions No visible emissions		
0.03 ton/yr PM, 0.57 lb/hr PM	no visible particulate emissions except for 13 minutes during any 60 minute period.	Opacity not to exceed 10% as a three minute average for sand and stone loading. No visible emissions from fabric filter during cement loading. 4.4 lb/hr PM and 1.0 ton/yr PM		
5 MPH vehicle speed limit no visible particulate emission s except for 13 minutes during any 60 minute period.	Use of water and or suitable dust suppressants sufficient to minimize or eliminate visible emissions of fugitive dust. Opacity not to exceed 20% as a three minute average. 0.09 ton/year PM 0.58 lb/hr PM	Opacity not to exceed 20% as a three minute average. 4.4 lb/hr PM and 1.0 tons/yr PM		
Use of water and or	Opacity not to exceed 20% as a three minute			

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<u>Ohio</u> <u>EPA</u> <u>Source</u> <u>Number</u>	<u>Source</u> <u>Identification</u> <u>Number</u>	<u>BAT</u> <u>Determination</u>	<u>Applicable Federal &</u> <u>OAC Rules</u>	<u>Permit Allowable</u> <u>Mass Emissions</u> <u>and/or Control/Usage</u> <u>Requirements</u>
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* The limitations established in these rules is less stringent than BAT.

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**SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
PM	3.3

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 43602.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 43602.**

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Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

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AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

NOTICE OF INTENT TO RELOCATE

Pursuant to OAC Rule 3745-31-03(A)(1)(n), the owner or operator of the portable or mobile source identified within this Permit to Install may relocate within the state of Ohio without first obtaining a Permit to Install providing the following criteria are met:

- a. the source is equipped with the Best Available Control Technology for such source;
- b. the source is operating pursuant to a currently effective Permit to Operate;
- c. the applicant has provided proper notice of intent to relocate the source to the Director within a minimum of 30 days prior to the scheduled relocation; and
- d. in the Director's judgement, the proposed site is acceptable under Rule 3745-15-07 of the Administrative Code.

In order for the Director to determine compliance with all of the above criteria, the owner or operator of the portable or mobile source must file a "Notice of Intent to Relocate" at least 30 days prior to relocation of the source with the **Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 43602**. Upon receipt of the notice, the Director, or the Director's authorized representative, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio Environmental Protection Agency approval prior to relocation of the source may result in fines and civil penalties.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

F005 Roadways & Parking Areas

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A. ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. The permittee shall employ reasonably 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 treat the unpaved roadways and parking areas with water or suitable dust suppressant at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
2. 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.
3. 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 the visible emission limitation for paved roadways and parking areas specified in OAC rule 3745-17-07 (B) (4).
4. 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.
5. 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.
6. 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 3745-17-08.
7. Posting and enforcing 5 MPH speed limit on all unpaved parking areas and roadways.

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B. OPERATIONAL RESTRICTIONS

None

C. MONITORING AND/OR RECORD KEEPING 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
All

minimum inspection frequency
Daily

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unpaved parking areas

minimum inspection frequency

All

Daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event (s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the Toledo Environmental Services Division, 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

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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.

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

E. COMPLIANCE DEMONSTRATION/TESTING REQUIREMENTS

1. Compliance with the emission limitation for the unpaved roadways and parking areas 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, 1996, and the modifications listed in paragraphs (B) (4) (a) through (B) (4) (d) of OAC rule 3745-17-03.

F. MISCELLANEOUS REQUIREMENTS

None

F006 Storage Piles

A. ADDITIONAL TERMS AND CONDITIONS

1. The permittee shall minimize the drop height of material being loaded onto or being removed from all storage piles. Sufficient moisture shall be maintained in the material to comply with the allowable visible emission requirements during loadin or loadout.
2. The storage piles shall be constructed with wind guards that extend above the maximum pile height. Periodic wetting of the piles shall take place so as to comply with the allowable visible emission requirements.

B. OPERATIONAL RESTRICTIONS

None

C. MONITORING AND/OR RECORD KEEPING REQUIREMENTS

1. The permittee shall visible inspect the storage piles a minimum of once per day to verify that there are no visible emissions.
2. The permittee shall record any violations of the visible emission requirements and take corrective actions immediately upon discovery.

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D. REPORTING REQUIREMENTS

1. The permittee shall report any violations of the visible emission limits to the **Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 43602** within 15 days of discovery.

E. COMPLIANCE DEMONSTRATION/TESTING REQUIREMENTS

1. Compliance with the emission limitation (s) in this permit shall be determined in accordance with the following method (s):

- a. **Emissions Limitation:** No visible particulate emissions except for 13 minutes during any 60 minute period.

Applicable Compliance Method: USEPA Method 22

- b. **Emissions Limitation:** 0.16 ton PM/yr (wind erosion) = 0.09 ton PM/yr (load in/out).

Applicable Compliance Method: Compliance is demonstrated by use of wind screens and water spray or wet suppression system.

- c. **Emissions Limitation:** .26 lb/hr PM (wind erosion) = .58 lb/hr PM (load in/out)

Applicable Compliance Method: Compliance is demonstrated by use of wind screens and water spray or wet suppression system.

F. MISCELLANEOUS

None

F007 Material Handling

A. ADDITIONAL TERMS AND CONDITIONS

1. The permittee shall maintain sufficient moisture in the sand and aggregate so as to comply with the visible emission requirements during transfer. Drop heights shall be minimized during loading of conveyors.
2. Cement shall be transferred pneumatically to storage silos. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emissions of cement emanating from the delivery vehicle shall be cause for the immediate halt of the unloading process and the refusal of the cement load until the situation is corrected.

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3. The cement silos vents shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient so as to minimize at all times visible emissions of fugitive dust at the points of capture. The fabric filter shall achieve an outlet emissions rate of not greater than 0.30 grains of particulate emissions per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the outlet, whichever is less stringent.

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B. OPERATIONAL RESTRICTIONS

None

C. MONITORING AND/OR RECORD KEEPING REQUIREMENTS

1. The permittee shall visible inspect the storage silo vents a minimum of once per day to verify the visible emissions limitations.
2. The permittee shall record any violations of the visible emission limitations.

D. REPORTING REQUIREMENTS

1. The permittee shall report any violations of the visible emissions limitations to the **Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 43602** within 15 days of discovery.

E. COMPLIANCE DEMONSTRATION/TESTING REQUIREMENTS

1. Compliance with the emission limitation (s) in this permit shall be determined in accordance with the following method (s):
 - a. **Emissions Limitation:** PM - 4.0 pounds per hour

Applicable Compliance Method: Compliance is demonstrated by maintaining sufficient moisture and fabric filter vents on silos.
 - b. **Emissions Limitation:** PM-1.02 tons per year

Applicable Compliance Method: Compliance is demonstrated by maintaining sufficient moisture and fabric filter vents on silos.
 - c. **Emissions Limitation:** Opacity not to exceed 20% as a three minute average.

Applicable Compliance Method: USEPA Method 22

F008 Weight Hopper & transit Mix

A. ADDITIONAL TERMS AND CONDITIONS

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1. The cement weigh hopper shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient to eliminate, at all times, visible emissions of fugitive dust at the point of capture. The fabric filter shall achieve an outlet emissions rate of not greater than 0.30 grains of particulate emissions per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the outlet, whichever is greater.
2. The aggregate and sand to be loaded into the weight-hopper and conveyor shall have a moisture content sufficient so as to comply with the visible emission requirements.
3. Transit mix trucks shall be loaded using an adjustable chute and/or a flexible boot along with water spray during raw material loading. The equipment shall be operated so to comply with the visible emission requirements.

B. OPERATIONAL RESTRICTIONS

None

C. MONITORING AND/OR RECORD KEEPING REQUIREMENTS

1. The permittee shall record any time of operation when wet suppression or water spray was not used to control fugitive particulate emissions for this emissions unit.
2. The permittee shall record any violations of the visible emissions limitations.

D. REPORTING REQUIREMENTS

1. The permittee shall report any occurrences of when wet suppression or water spray was not used during the operation of the emissions unit to the **Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 43602** no later than 15 days of the occurrence.
2. The permittee shall report any violations of the visible emissions limitations to the **Division of Environmental Services** within 15 days of discovery.

E. COMPLIANCE DEMONSTRATION/TESTING REQUIREMENTS

1. Compliance with the emissions limitation (s) in this permit shall be determined in accordance with the following method (s):
 - a. **Emissions Limitation:** PM - 4.4 pounds per hour

Applicable Compliance Method: Compliance is demonstrated by the used of water spray or wet suppression system.

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- b. **Emissions Limitation:** PM - 1.0 tons per year.

Applicable Compliance Method: Compliance is demonstrated by the use of water spray or wet suppression system.

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- c. **Emissions Limitation:** Opacity not to exceed 20 % as a three minute average.

Applicable Compliance Method: USEPA Method 22

- d. **Emissions Limitations:** Opacity not to exceed 10 % as a three minute average for sand and stone loading.

Applicable Compliance Method: USEPA Method 22