State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

RE: FINAL PERMIT TO INSTALL
LUCAS COUNTY
Application No: 04-01408
Fac ID: 0448950002

DATE: 6/28/2005

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

Integrated Resources Inc.
Richard Stansley
Integrated Resources Inc. 3810 Herr Road
Sylvania, OH 43560

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

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

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

CC: USEPA TDES

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install		**Issue Date:**	**6/28/2005**
Terms and Conditions		**Effective Date:**	**6/28/2005**

FINAL PERMIT TO INSTALL 04-01408

Application Number:	04-01408
Facility ID:	0448950002
Permit Fee:	**$2500**
Name of Facility:	Integrated Resources Inc.
Person to Contact:	Richard Stansley
Address:	Integrated Resources Inc. 3810 Herr Road Sylvania, OH 43560

Location of proposed air contaminant source(s) [emissions unit(s)]:
7901 Sylvania Avenue
Sylvania, **Ohio**

Description of proposed emissions unit(s):
Portable Aggregate Heater.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(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 and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Joseph P. Koncelik

Director

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 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

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, 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 emissions unit(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

Pollutant	Tons Per Year
CO	0.18
PE	0.23
NO_x	0.45
SO_2	2.83
VOC	0.01

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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P901 - Portable Aggregate Heater with associated Material Handling	OAC rule 3745-31-05(A)(3)	0.09 tons fugitive particulate emissions (PE)/yr
Material Handling: Aggregate Bin loading, Transfer of Aggregate to conveyor system, loading/unloading of truck.		Visible PE restrictions (see Section A.2.d) Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.a through A.2.c)
	OAC rule 3745-17-07(B)(1)	See Section A.2.e
	OAC rule 3745-17-08(B)	See Section A.2.e
Portable Aggregate Heater fired with No. 2 fuel oil at a maximum rated capacity of 16.7 mmBtu/hr and controlled by a baghouse.	OAC rule 3745-31-05(A)(3)	Stack particulate emissions (Stack PE) shall not exceed 0.4 pounds fugitive particulate emissions (PE)/yr or 0.14 ton per year. The emissions of carbon monoxide (CO) shall not exceed 0.5 pound per hour or 0.18 ton per year. The emissions of nitrogen oxides (NO_x) shall not exceed 1.24 pounds per hour or 0.45 ton per year. The emissions of sulfur dioxide (SO_2) shall not exceed 7.9 pounds per hour or 2.83 tons per year.

	The emissions of volatile organic compounds (VOC) shall not exceed 0.034 pound per hour or 0.01 ton per year.
	Visible emissions of particulate shall not exceed 10% opacity as a six-minute average.
	See Section A.2.f
OAC rule 3745-17-07(A)(1)	See Section A.2.g
OAC rule 3745-17-11(A)(2)	See Section A.2.g
OAC rule 3745-21-07(B)	See Section A.2.h
OAC rule 3745-21-08(B)	See Section A.2.i
OAC rule 3745-23-06(B)	See Section A.2.j

2. Additional Terms and Conditions

2.a 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 measures to ensure compliance:

Material Handling Operation	Control Measure(s)
Transfer points	Wet suppression

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

2.b 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 the use of the control measure is unnecessary.

2.c Implementation of the above-mentioned control measures in compliance with the terms and

conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

2.d Visible fugitive PE from the material handling shall not exceed 10% opacity as a 3-minute average.

2.e The requirements of this rule are less stringent that the requirements established under OAC rule 3745-31-05(A)(3).

2.f The hourly emission limitations specified above are based upon the emission unit's potential to emit. Therefore, no hourly records are required to be maintained to demonstrate compliance with these limitations.

2.g The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.h The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).

2.i The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by complying with all the applicable rules.

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

2.j The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by complying with all the applicable rules.

On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the U.S. EPA approves the revision, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

B. Operational Restrictions

1. In accordance with the permittee's application, the permittee has committed to restrict the operation of the portable aggregate heater to 720 hours per year.

2. The permittee shall only combust No. 2 fuel oil, containing less than 0.5% sulfur, by weight, in the emissions unit.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the material handling operations (aggregate bin loading, transfer of aggregate to conveyor system, conveyor transfer points, and truck loading) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. The location and color of the emissions;
   b. Whether the emissions are representative of normal operations;
   c. If the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. The total duration of any visible emission incident; and
   e. Any corrective actions taken to minimize or eliminate the visible emissions.

   If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emission unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. The permittee shall maintain documentation on the sulfur content of all fuels received.

3. For each day during which the permittee burns a fuel other than No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

4. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in the operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. The color of the emissions;

b. Whether the emissions are representative of normal operations;
c. If the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. The total duration of any visible emissions incident; and
e. Any corrective actions taken to eliminate the visible emissions.

5. The permittee shall maintain records of the annual hours of operation.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from egress points (aggregate bin loading, transfer of aggregate to conveyor system, conveyor transfer points, and truck loading) serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than No. 2 fuel oil, containing less than 0.5% sulfur by weight, was combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director, the appropriate Ohio EPA District Office, or Local Air Agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

4. The permittee shall submit annual reports that identify any exceedances of the annual operating hours restriction, as well as corrective actions that were taken to achieve compliance. These reports shall be submitted to the Director, the appropriate Ohio EPA District Office, or Local Air Agency by January 31 of each year.

5. Pursuant to OAC rule 3745-31-03(A)(1)(p), the permittee of a portable emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing certain criteria are met. The portable emissions unit shall meet one of the two following scenarios in order to qualify for this PTI exemption for the new location:

   a. The following determinations have been documented, pursuant to OAC rule 3745-31-03(A)(1)(p)(i):

      i. The portable emissions unit is equipped with the best available technology for such portable emissions unit;

      ii. The portable emissions unit is operating pursuant to a currently effective permit to

operate (PTO) or registration status;

ii. The applicant has provided proper notice of intent to relocate the portable emissions unit to the City of Toledo, Division of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and

iv In the City of Toledo, Division of Environmental Services and the appropriate field office's (having jurisdiction over the new site) judgment, the proposed site is acceptable under OAC rule 3745-15-07.

b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable emissions unit may relocate within the State of Ohio without first obtaining a PTI, providing the following criteria of OAC rule 3745-31-05(E) are met:

i. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO, or registration status;

ii. The portable emissions unit is equipped with best available technology;

iii. The portable emissions unit owner has identified the proposed site to the Ohio EPA;

iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

v. A public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;

vi. 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 this proposed site; and

vii. The portable emissions unit owner has provided Ohio EPA with 15 days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid no longer than 3 years and are subject to renewal.

In order for the City of Toledo, Division of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee of the portable 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 City of Toledo, Division of Environmental Services and the appropriate field office having jurisdiction over the new site. Upon receipt of this notice, the City of Toledo, Division of Environmental Services, and/or appropriate field office having jurisdiction over the new site, will evaluate the

request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

E. Testing Requirements

1. Emission Limitation: 0.09 TPY of fugitive PE

Applicable Compliance Method: The emission limitation was established by combining the emissions from unloading, loading, and transfer point.

Compliance with the emission rate shall be determined as follows:

Material Unloading to the Aggregate Bin - emissions associated with material unloading to the aggregate bin was established by multiplying an AP-42 emission factor of 0.00014 lb/ton PE (Section 11.19.2-2 - 8/04) by the maximum restricted operations of 28,800 tons/yr and dividing by 2,000 lb/ton (0.002 tons/yr).

Transfer emissions - emissions associated with the conveyor system transferring at two points prior to the aggregate heater were established for each point by multiplying an AP-42 emission factor of 0.00014 lb/ton PE (Section 11.19.2-2 - 8/04) by the maximum restricted operations of 28,800 tons/yr and dividing by 2,000 lb/ton (0.002 tons/yr).

Transfer emissions - emissions associated with the conveyor system transferring at two points after the aggregate heater were established for each point by multiplying an AP-42 emission factor of 0.003 lb/ton PE (Section 11.19.2-2 - 8/04) by the maximum restricted operations of 28,800 tons/yr and dividing by 2,000 lb/ton (0.0432 tons/yr).

Therefore, provided compliance is shown with the maximum restricted operational throughput and the requirements of this permit apply to the best available control measures, compliance with the ton per year PE limitation will be assumed.

1. Emission Limitation: 10% opacity, as a 3-minute average for material handling.

Applicable Compliance Method: If required, compliance shall be demonstrated using test method 9 as set forth in the “Appendix on Test Methods” in 40 CFR, Part 60, “Standards of Performance for New Stationary Sources” as such appendix existed in July 1, 2002, with the modifications in paragraphs (a) and (b) of OAC rule 3745-17-03(B)(3).

3. Emission Limitation: Visible emissions of particulate from the stack shall not exceed 10% opacity as a 6-minute average.

Applicable Compliance Method: Compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1).

4. Emission Limitation: The emissions of CO shall not exceed 0.5 pound per hour.

   Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the emission factors listed in AP-42, Fifth Edition, Fuel Oil Consumption, Section 1.3, Table 1.3-1, dated 9/98, (0.005 lb CO/gal) and the fuel oil consumption per hour as follows:

   (0.005 lb CO/gal)(100 gal of fuel consumed/hr) = 0.5 lb CO/hr

   If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 10 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

5. Emission Limitation: The emissions of CO shall not exceed 0.18 ton per year.

   Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the emissions factor listed in AP-42, Fifth Edition, Fuel Oil Consumption, Section 1.3, Table 1.3-1, dated 9/98, (0.005 lb CO/gal) and the number of gallons of fuel oil used per year as follows:

   (0.005 lb CO/gal)(100 gal/hr)(720 hr/yr)(1 ton/2000 lb) = 0.18 ton CO/yr

6. Emission Limitation: The emissions of NO_x shall not exceed 1.24 pounds per hour.

   Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the emission factors listed in AP-42, Fifth Edition, Sand and Gravel Processing, Section 11.19.1, Table 11.19.1-1, dated 11/95, (0.031 lb NO_x/ton) and the maximum production capacity (tons per hour) as follows:

   (0.031 lb NO_x/ton)(40 tons/hr) = 1.24 lbs NO_x/hr

   If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 7 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

7. Emission Limitation: The emissions of NO_x shall not exceed 0.45 ton per year.

   Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the emissions factor listed in AP-42, Fifth Edition, Sand and Gravel Processing, Section 11.19.1, Table 11.19.1-1, dated 11/95, (0.031 lb NO_x/ton), the maximum production capacity (tons

per hour), and the number of hours operated per year as follows:

(0.031 lb NO_x/ton)(40 tons/hr)(720 hr/yr)(1 ton/2000 lb) = 0.45 ton NO_x/yr

1. Emission Limitation: PE (from the stack) shall not exceed 0.4 pound per hour.

   Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the controlled emission factors listed in AP-42, Fifth Edition, Sand and Gravel Processing, Section 11.19.1, Table 11.19.1-1, dated 11/95, (0.01 lb PE/ton) and the maximum production capacity (tons per hour) to sum for each emission point as follows:

   (0.01 lb PE/ton)(40 ton/hr) = 0.4 lb PE/hr

1. Emission Limitation: PE (from the stack) shall not exceed 0.14 ton per year.

   Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the controlled emissions factor listed in AP-42, Fifth Edition, Sand and Gravel Processing, Section 11.19.1, Table 11.19.1-1, dated 11/95, (0.01 lb PE/ton), the maximum production capacity (tons per hour), and the number of hours operated per year as follows:

   (0.01 lb PE/ton)(40 ton/hr)(720 hr/yr)(1 ton/2000 lb) = 0.14 ton PE/yr

10. Emission Limitation: The emissions of SO_2 shall not exceed 7.9 pounds per hour.

    Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the emission factors listed in AP-42, Fifth Edition, Fuel Oil Consumption, Section 1.3, dated 9/98, (0.0785 lb SO_2/gal) and the fuel oil consumption per hour as follows:

    (0.0785 lb SO_2/gal)(100 gal of fuel consumed/hr) = 7.9 lb SO_2/hr

    If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 6 of 40 CFR Part 60, Appendix A.

11. Emission Limitation: The emissions of SO_2 shall not exceed 2.83 tons per year.

    Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the emissions factor listed in AP-42, Fifth Edition, Fuel Oil Consumption, Section 1.3, Table 1.3-1, dated 9/98, (0.0785 lb SO_2/gal) and the number of gallons of fuel oil used per year as follows:

    (0.0785 lb SO_2/gal)(100 gal/hr)(720 hr/yr)(1 ton/2000 lb) = 2.83 tons SO_2/yr

12. Emission Limitation: The emissions of VOC shall not exceed 0.034 pound per hour.

Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the emissions factors listed in AP-42, Fifth Edition, Fuel Oil Consumption, Section 1.3, dated 9/98, (0.00034 lb VOC/gal) and the fuel oil consumption per hour as follows:

(0.00034 lb VOC/gal)(100 gal of fuel consumer/hr) = 0.034 lb VOC/hr

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-4 and Method 25 or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

13. Emission Limitation: The emissions of VOC shall not exceed 0.01 ton per year.

Applicable Compliance Method: Compliance shall be demonstrated by an emissions calculation utilizing the emissions factor listed in AP-42, Fifth Edition, Fuel Oil Consumption, Section 1.3, Table 1.3-1, dated 9/98, (0.00034 lb VOC/gal) and the number of gallons of fuel oil used per year as follows:

(0.00034 lb VOC/gal)(100 gal/hr)(720 hr/yr)(1 ton/2000 lb) = 0.01 ton VOC/yr

F. Miscellaneous Requirements

None