

Synthetic Minor Determination and/or Netting Determination

Permit To Install 14-05697

A. Source Description

Welch Sand and Gravel wishes to install one 0.96 MMBtu/hr portable diesel generator (P001) and one 6.65 MMBtu/hr portable diesel generator (P002).

B. Facility Emissions and Attainment Status

Welch Sand and Gravel is located in Hamilton County. Welch Sand and Gravel is a minor facility for all pollutants. Hamilton County is in attainment for all pollutants, except ozone and NOx.

C. Source Emissions

Potential emissions of NOx from emissions units P001 and P002 will exceed 100 tons per year.

P001: $4.23 \text{ lbs NOx/hr} \times 8760 \text{ hrs/yr} = 18.53 \text{ tons NOx/yr}$.

P002: $21.28 \text{ lbs NOx/hr} \times 8760 \text{ hrs/yr} = 93.21 \text{ tons NOx/yr}$.

$18.53 + 93.21 = 111.74 \text{ tons/yr NOx}$.

Potential emissions limited by fuel oil usage will not exceed 100 tons per year.

P001: $28,000 \text{ gal/year} @ 7.0 \text{ gal/hour} = 4000 \text{ hrs/year}$. $4.23 \text{ lbs NOx/hr} \times 4000 \text{ hrs/yr} = 8.46 \text{ tons NOx/yr}$.

P002: $145,500 \text{ gal/year} @ 48.5 \text{ gal/hr} = 3000 \text{ hrs/yr}$. $21.28 \text{ lbs NOx/hr} \times 3000 \text{ hrs/yr} = 31.92 \text{ tons NOx/yr}$.

$8.46 + 31.92 = 40.38 \text{ tons NOx/yr}$.

D. Conclusion

PTI 14-05697 will be made a Synthetic Minor by limiting fuel oil usage to 28,000 and 145,500 gallons per year in emissions unit P001 and P002, respectively. The facility will maintain monthly records and submit quarterly reports to determine compliance with the usage limitations. Welch Sand and Gravel is an existing minor source for NOx, therefore the increase in NOx emissions will not be a significant increase, and this permit will not be subject to PSD review.



State of Ohio Environmental Protection Agency



**RE: DRAFT PERMIT TO INSTALL
HAMILTON COUNTY**

CERTIFIED MAIL

Street Address:

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

Mailing Address:

Lazarus Gov. Center

Application No: 14-05697

Fac ID: 1431234061

DATE: 4/28/2005

Welch Sand and Gravel Inc
James Welch
10217 Columbia St
Harrison, OH 450309751

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$200** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

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

CC: USEPA

HCDES

OH-KY-IN Reg Council of Governments

KY

IN

HAMILTON COUNTY

PUBLIC NOTICE

ISSUANCE OF DRAFT PERMIT TO INSTALL **14-05697** FOR AN AIR CONTAMINANT SOURCE FOR **Welch Sand and Gravel Inc**

On 4/28/2005 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Welch Sand and Gravel Inc**, located at **10217 Columbia St, Harrison, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 14-05697:

0.96 MMBtu/hr portable diesel generator and 6.65 MMBtu/hr portable diesel generator.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Brad Miller, Hamilton County Department of Environmental Services, 250 William Howart Taft Pkwy,
Cincinnati, OH 45219-2660 [(513)946-7777]



**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 14-05697

Application Number: 14-05697
Facility ID: 1431234061
Permit Fee: **To be entered upon final issuance**
Name of Facility: Welch Sand and Gravel Inc
Person to Contact: James Welch
Address: 10217 Columbia St
Harrison, OH 450309751

Location of proposed air contaminant source(s) [emissions unit(s)]:
**10217 Columbia St
Harrison, Ohio**

Description of proposed emissions unit(s):
0.96 MMBtu/hr portable diesel generator and 6.65 MMBtu/hr portable diesel generator.

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

Director

Welch Sand and Gravel Inc

PTI Application: 14-05697

Issued: To be entered upon final issuance

Part I - GENERAL TERMS AND CONDITIONS

Facility ID: 1431234061

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

Welch Sand and Gravel Inc

Facility ID: 1431234061

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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.

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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.

Welch Sand and Gravel Inc

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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.

Welch Sand and Gravel Inc

PTI Application: 14-05697

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Facility ID: 1431234061

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

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	1.22
PM10	1.17
SO2	5.60
NOx	40.39
CO	10.30
OC	1.57

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Welch

PTI A

Issued: To be entered upon final issuance

Emissions Unit ID: P001

Welch
PTI A

Emissions Unit ID: P001

Issued: To be entered upon final issuance

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

P001 - 0.96 MMBtu/hr
portable diesel generator OAC rule 3745-31-05(A)(3)

OAC rule 3745-17-07(A)(1)

OAC rule 3745-17-11(B)(5)(a)

OAC rule 3745-18-06(G)

OAC rule 3745-21-08(B)

OAC rule 3745-23-06(B)

Emissions Unit ID: P001

OAC rule 3745-31-05(C)

Applicable Emissions
Limitations/Control Measures

Particulate Emissions (PE) shall not exceed 0.30 lb/hr.

Particulate Matter 10 microns and less (PM10) emissions shall not exceed 0.30 lb/hr.

Sulfur Dioxide (SO2) emissions shall not exceed 0.28 lb/hr.

Nitrogen Oxides (NOx) emissions shall not exceed 4.23 lbs/hr.

Carbon Monoxide (CO) emissions shall not exceed 0.91 lb/hr.

Organic Compound (OC) emissions shall not exceed 0.34 lb/hr.

The hourly emission limitations specified above represent the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping or reporting is required to demonstrate compliance with these emission limitations.

Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average.

See term and condition B.1.

The requirements of this rule also include compliance with OAC rules 3745-17-11(B)(5)(a), 3734-21-08(B), 3745-23-06(B) and 3745-31-05(C).

The visible PE limitations specified by this rule are less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-

05(A)(3).

PE shall not exceed 0.25 lb/MMBtu actual heat input.

See term and condition A.2.b below.

PE shall not exceed 0.310 lb/MMBtu actual heat input.

See term and condition A.2.c below.

Exempt, pursuant to OAC rule 3745-18-06(B).

See term and condition A.2.d.

See term and condition A.2.e.

Particulate Emissions (PE) shall not exceed 0.60 ton/year, based on a rolling 12-month summation.

Particulate Matter 10 microns or less (PM10) emissions shall not exceed 0.60 ton/year, based on a rolling 12-month summation.

Sulfur Dioxide (SO2) emissions shall not exceed 0.56 ton/year, based on a rolling 12-month summation.

Nitrogen Oxides (NOx) emissions shall not exceed 8.47 tons/year, based on a rolling 12-month summation.

Carbon Monoxide (CO) emissions shall not exceed 1.82 tons/year, based on a rolling 12-month summation.

Organic Compound (VOC) emissions shall not exceed 0.67 ton/year, based on a rolling 12-month summation.

See term and condition B.2.

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of No. 2 fuel oil, fuel oil usage limitation, fuel oil sulfur content limitation and compliance with specified emission limits.
- 2.b** The requirement to comply with this PE limitation shall terminate on the date the U.S. EPA approves the 0.310 lb/MMBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.
- 2.c** This PE limitation shall be effective and federally enforceable on the date the U.S. EPA approves this PE limitation as a revision to the Ohio SIP for particulate matter.
- 2.d** The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 14-05697.

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.e** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 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 Permit to Install 14-05697.

On February 15, 2005, OAC rule 3745-23-06 was rescinded and therefore no longer a 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 3745-23-06, the requirement to satisfy "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

B. Operational Restrictions

- a. The permittee shall only burn No. 2 fuel oil with a sulfur content of 0.5%, by weight, or less in this emissions unit.
- b. The maximum No. 2 fuel oil usage for this emissions unit shall not exceed 28,000 gallons/year, based on a rolling, 12-month summation of the No. 2 fuel oil usage.

To ensure enforceability during the first 12 calendar months of operation following the issuance of PTI 14-05697, the permittee shall not exceed the No. 2 fuel oil usage levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Fuel Oil Usage (Gallons)
1	2,333
1-2	4,667
1-3	7,000
1-4	9,333
1-5	11,667
1-6	14,000
1-7	16,333
1-8	18,667
1-9	21,000
1-10	23,333
1-11	25,667
1-12	28,000

After the first 12 calendar months of operation, following the issuance of this permit, compliance with the annual No. 2 fuel oil usage limitation shall be based upon a rolling, 12-month summation of the No. 2 fuel oil usage.

C. Monitoring and/or Recordkeeping Requirements

1. 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.
2. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the No. 2 fuel oil usage for each month, in gallons;
 - b. during the first 12 calendar months of operation following the issuance of PTI 14-05697, the permittee shall record the cumulative fuel oil usage for each calendar month, in gallons; and
 - c. beginning after the first 12 calendar months of operation following the issuance of PTI 14-

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05697, the rolling, 12-month summation of the fuel oil usage, in gallons.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the permittee's or oil supplier's analyses for sulfur content. A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM method (such as, ASTM method D4294), or an equivalent method as approved by the Director.

D. Reporting Requirements

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any record that shows this emissions unit employed a fuel other than No. 2 fuel oil. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 45 days after the occurrence.
2. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. all exceedances of the maximum allowable cumulative fuel oil usage limitations during the first 12 calendar months of operation following the issuance of PTI 14-05697;
 - b. all exceedances of the rolling, 12-month fuel oil usage limitation after the first 12 calendar months of operation following the issuance of PTI 14-05697; and
 - c. all exceedances of the No. 2 fuel oil sulfur content restriction.
3. The quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations and operational restriction specified in Sections A.1 and A.2 shall be determined in accordance with the following methods:
 - a. Emission Limitation

Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average

Emissions Unit ID: P001

Applicable Compliance Method

If required compliance with this emission limitation shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

b. Emission Limitation

0.28 lb of SO₂ emissions/hr; 0.56 ton/year of SO₂ emissions

Applicable Compliance Method

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the emissions unit's total heat input of 0.96 MMBtu/hr by the emission factor of 0.29 lb of SO₂/MMBtu. This emission factor is from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

The annual emission limitation was established by multiplying the maximum annual fuel usage of 28,000 gallons/year, by the emission factor of 39.73 lbs/Mgal (converted from 0.29 lb of SO₂ emissions/MMBtu), and divided by 1 ton/2,000 lbs. This emission factor is specified in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

Therefore, compliance with the annual emission limitation is ensured while compliance is maintained with the annual fuel usage restriction.

If required, the permittee shall demonstrate compliance with the hourly SO₂ emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 6, as appropriate.

c. Emission Limitation

4.23 lbs of NO_x emissions/hr; 8.47 tons/year of NO_x emissions

Applicable Compliance Method

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the emissions unit's total heat input of 0.96 MMBtu/hr by the emission factor of 4.41 lbs of NO_x/MMBtu. This emission factor is from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

The annual emission limitation was established by multiplying the maximum allowable fuel usage of 28,000 gallons/year, by the emission factor of 604.11 lbs/Mgal (converted from 4.41 lb of NO_x emissions/MMBtu), and divided by 1 ton/2,000 lbs. This emission factor is specified in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

Therefore, compliance with the annual emission limitation is ensured while compliance is

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maintained with the annual fuel usage restriction, based on a rolling 12 month summation.

If required, the permittee shall demonstrate compliance with the hourly NO_x emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 7, as appropriate.

d. Emission Limitation

0.91 lb of CO emissions/hr; 1.82 tons/year of CO emissions

Applicable Compliance Method

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the emissions unit's total heat input of 0.96 MMBtu/hr by the emission factor of 0.95 lb of CO/MMBtu. This emission factor is from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

The annual emission limitation was established by multiplying the maximum annual fuel usage of 28,000 gallons/year, by the emission factor of 130.14 lbs/Mgal (converted from 0.95 lb of CO emissions/MMBtu), and divided by 1 ton/2,000 lbs. This emission factor is specified in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

Therefore, compliance with the annual emission limitation is ensured while compliance is maintained with the annual fuel usage restriction.

If required, the permittee shall demonstrate compliance with the hourly CO emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 10, as appropriate.

e. Emission Limitation

0.34 lb of OC emissions/hr; 0.67 ton/year of OC emissions

Applicable Compliance Methods

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the emissions unit's total heat input of 0.96 MMBtu/hr by the emission factor of 0.35 lb of OC/MMBtu. This emission factor is from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

The annual emission limitation was established by multiplying the maximum annual fuel

Welch Sand and Gravel Inc
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Emissions Unit ID: P001

usage of 28,000 gallons/year, by the emission factor of 49.32 lbs/Mgal (converted from 0.35 lb of OC emissions/MMBtu), and divided by 1 ton/2,000 lbs. This emission factor is specified in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

Therefore, compliance with the annual emission limitation is ensured while compliance is maintained with the annual fuel usage restriction.

If required, the permittee shall demonstrate compliance with the hourly OC emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 25, as appropriate.

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f. Emission Limitation

0.30 lb of PE/hr and 0.30 lb of PM10 emissions/hr; 0.60 TPY of PE and 0.60 TPY of PM10 emissions

Applicable Compliance Method

The hourly emission limitations are based upon the emissions unit's potentials to emit and were established by multiplying the total heat input of 0.96 MMBtu/hr by the emission factor of 0.31 lb of PE/PM10 emissions/MMBtu. This emission factor is from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

The annual emission limitations were established by multiplying the maximum annual fuel usage of 28,000 gallons/year, by the emission factor of 42.47 lbs/Mgal (converted from 0.31 lb of PE/PM10 emissions/MMBtu), and divided by 1 ton/2,000 lbs. This emission factor is specified in AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (10/96).

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

If required, the permittee shall demonstrate compliance with the hourly PM10 emission limitation through emission tests performed in accordance with 40 CFR Part 51, Appendix M, Method 201.

g. Emission Limitation

PE shall not exceed 0.25 lb/MMBtu of actual heat input.

Applicable Compliance Method

The permittee cannot demonstrate compliance with this emission limitation based upon the current emission factor contained in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96). The Ohio EPA revised the emission limitation specified in this rule citation based upon the currently applicable emission factor. The revised rule was adopted by the Director of Ohio EPA in December of 1997, and it has been submitted to the U.S. EPA as a proposed revision to the Ohio SIP for particulate matter. When the SIP revision is approved by the U.S. EPA, the 0.25 lb/MMBtu actual heat input emission limitation will no longer be applicable, and the permittee will be able to demonstrate compliance with the OAC rule 3745-17-11(B)(5)(a) emission limitation (0.310 lb/MMBtu actual heat input) using the

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current emission factor.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with the procedures specified in OAC rule 3745-17-03(B)(10).

h. Emission Limitation

PE shall not exceed 0.310 lb/MMBtu actual heat input.

Applicable Compliance Method

Compliance may be based upon an emission factor of 0.31 lb/MMBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (October, 1996).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and OAC rule 3745-17-03(B)(10).

i. Fuel Usage Limitation

The maximum No. 2 fuel oil usage for this emissions unit shall not exceed 28,000 gallons/year, based on a rolling, 12-month summation of the No. 2 fuel oil usage.

Applicable Compliance Method

Compliance with the fuel usage limitation shall be demonstrated by the record keeping requirements specified in term and condition C.2.

j. Fuel Usage Limitation

The permittee shall only burn No. 2 fuel oil with a sulfur content of 0.5%, by weight, or less in this emissions unit.

Applicable Compliance Method

Compliance with the fuel usage limitation in term and condition B.1 shall be demonstrated by the record keeping requirements specified in terms and conditions C.1. and C.3.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source
 - a. Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee may relocate a portable emissions unit within the State of Ohio without first obtaining a permit to install (PTI) provided the following criteria are met:
 - i. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - ii. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO), PTI or registration status;
 - iii. the permittee has provided proper notice of intent to relocate the portable emissions unit to Ohio EPA within a minimum of thirty days prior to the scheduled relocation; and
 - iv. in Ohio EPA's 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 may relocate the portable emissions unit within the State of Ohio without first obtaining a PTI provided the following criteria of OAC rule 3745-31-05(F) are met:
 - i. the permittee possesses an Ohio EPA PTI, PTO or registration status for the portable emissions unit;
 - ii. the portable emissions unit is equipped with best available technology;
 - iii. the permittee has identified the proposed site to 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 permittee 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 permittee has provided Ohio EPA with fifteen days written notice of the relocation.
2. Any site approval issued by Ohio EPA, pursuant to F.1 above, shall be valid for no longer than three years and is subject to renewal.

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In order for the Hamilton County Department of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee shall 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 Hamilton County Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate Ohio EPA field office having jurisdiction over the new site.

Upon receipt of the notice, the Hamilton County Department of Environmental Services and/or appropriate Ohio EPA 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 civil penalties.

3. The following terms and conditions of this permit are federally enforceable: A., B., C., D. and E.

Welch
PTI A

Emissions Unit ID: P002

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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>Applicable Rules/Requirements</u>
P002 - 6.65 MMBtu/hr portable diesel generator	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-17-07(A)(1)
	OAC rule 3745-17-11(B)(5)(a)
	OAC rule 3745-18-06(G)
	OAC rule 3745-21-08(B)

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OAC rule 3745-23-06(B)

OAC rule 3745-31-05(C)

Applicable Emissions
Limitations/Control Measures

Particulate Emissions (PE) shall not exceed 0.41 lb/hr.

Particulate Matter 10 microns and less (PM10) emissions shall not exceed 0.38 lb/hr.

Sulfur Dioxide (SO₂) emissions shall not exceed 3.36 lb/hr.

Nitrogen Oxides (NO_x) emissions shall not exceed 21.28 lbs/hr.

Carbon Monoxide (CO) emissions shall not exceed 5.65 lb/hr.

Volatile Organic Compound (VOC) emissions shall not exceed 0.60 lb/hr.

The hourly emission limitations specified above represent the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping or reporting is required to demonstrate compliance with these emission limitations.

Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average.

See term and condition B.1.

The requirements of this rule also include compliance with OAC rules 3745-17-11(B)(5)(a), 3734-21-08(B), 3745-23-06(B) and 3745-31-05(C).

The visible PE limitations specified by this rule are less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-

05(A)(3).

PE shall not exceed 0.35 lb/MMBtu actual heat input.

See term and condition A.2.b below.

PE shall not exceed 0.062 lb/MMBtu actual heat input.

See term and condition A.2.c below.

Exempt, pursuant to OAC rule 3745-18-06(B).

See term and condition A.2.d.

See term and condition A.2.e.

Particulate Emissions (PE) shall not exceed 0.62 ton/year, based on a rolling 12-month summation.

Particulate Matter 10 microns or less (PM10) emissions shall not exceed 0.57 ton/year, based on a rolling 12-month summation.

Sulfur Dioxide (SO₂) emissions shall not exceed 5.04 ton/year, based on a rolling 12-month summation.

Nitrogen Oxides (NO_x) emissions shall not exceed 31.92 tons/year, based on a rolling 12-month summation.

Carbon Monoxide (CO) emissions shall not exceed 8.48 tons/year, based on a rolling 12-month summation.

Organic Compound (OC) emissions shall not exceed 0.90 ton/year, based on a rolling 12-month summation.

See term and condition B.2.

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of No. 2 fuel oil, fuel oil usage limitation, fuel oil sulfur content limitation and compliance with specified emission limits.
- 2.b** The requirement to comply with this PE limitation shall terminate on the date the U.S. EPA approves the 0.062 lb/MMBtu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.
- 2.c** This PE limitation shall be effective and federally enforceable on the date the U.S. EPA approves this PE limitation as a revision to the Ohio SIP for particulate matter.
- 2.d** The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 14-05697.

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.e** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 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 Permit to Install 14-05697.

On February 15, 2005, OAC rule 3745-23-06 was rescinded and therefore no longer a 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 3745-23-06, the requirement to satisfy "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

B. Operational Restrictions

- 1. The permittee shall only burn No. 2 fuel oil with a sulfur content of 0.5%, by weight, or less in

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this emissions unit.

2. The maximum No. 2 fuel oil usage for this emissions unit shall not exceed 145,500 gallons/year, based on a rolling, 12-month summation of the No. 2 fuel oil usage.

To ensure enforceability during the first 12 calendar months of operation following the issuance of PTI 14-05697, the permittee shall not exceed the No. 2 fuel oil usage levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Fuel Oil Usage (Gallons)
1	12,125
1-2	24,250
1-3	36,375
1-4	48,500
1-5	60,625
1-6	72,750
1-7	84,875
1-8	97,000
1-9	109,125
1-10	121,250
1-11	133,375
1-12	145,500

After the first 12 calendar months of operation, following the issuance of this permit, compliance with the annual No. 2 fuel oil usage limitation shall be based upon a rolling, 12-month summation of the No. 2 fuel oil usage.

C. Monitoring and/or Recordkeeping Requirements

1. 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.
2. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the No. 2 fuel oil usage for each month, in gallons;
 - b. during the first 12 calendar months of operation following the issuance of PTI 14-05697, the permittee shall record the cumulative fuel oil usage for each calendar month, in gallons; and
 - c. beginning after the first 12 calendar months of operation following the issuance of PTI 14-05697, the rolling, 12-month summation of the fuel oil usage, in gallons.
3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain

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records of the permittee's or oil supplier's analyses for sulfur content. A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM method (such as, ASTM method D4294), or an equivalent method as approved by the Director.

D. Reporting Requirements

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any record that shows this emissions unit employed a fuel other than No. 2 fuel oil. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 45 days after the occurrence.
2. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. all exceedances of the maximum allowable cumulative fuel oil usage limitations during the first 12 calendar months of operation following the issuance of PTI 14-05697;
 - b. all exceedances of the rolling, 12-month fuel oil usage limitation after the first 12 calendar months of operation following the issuance of PTI 14-05697; and
 - c. all exceedances of the No. 2 fuel oil sulfur content restriction.
3. The quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations and operational restriction specified in Sections A.1 and A.2 shall be determined in accordance with the following methods:
 - a. Emission Limitation

Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average

Applicable Compliance Method

If required compliance with this emission limitation shall be determined through visible

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Issued

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emissions observations performed in accordance with 40 CFR Part 60, Appendix A,
Method 9.

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b. Emission Limitation

3.36 lb of SO₂ emissions/hr; 5.04 ton/year of SO₂ emissions

Applicable Compliance Method

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the emissions unit's total heat input of 6.65 MMBtu/hr by the emission factor of 0.505 lb of SO₂ emissions/MMBtu. This emission factor is from AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (10/96).

The annual SO₂ emission limitation was established by the following methodology:

P002 has a limit of 145,500 gallons of oil used per year. 145,500 gallons/yr and 48.5 maximum gallons used per hour = 3000 hours/yr

SO₂: 3000 hrs/yr x 3.36 lb/hr x 1 ton/2000 lbs = 5.04 tons/yr

Therefore, compliance with the annual emission limitation is ensured if compliance is maintained with the annual fuel usage restriction.

If required, the permittee shall demonstrate compliance with the hourly SO₂ emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 6.

c. Emission Limitation

21.28 lbs of NO_x emissions/hr; 31.92 tons/year of NO_x emissions

Applicable Compliance Method

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the emissions unit's total heat input of 6.65 MMBtu/hr by the emission factor of 3.2 lbs of NO_x emissions/MMBtu. This emission factor is from AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (10/96).

The annual NO_x emission limitation was established by the following methodology:

P002 has a limit of 145,500 gallons of oil used per year. 145,500 gallons/yr and 48.5 maximum gallons used per hour = 3000 hours/yr

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$$\text{NOx: } 3000 \text{ hrs/yr} \times 21.28 \text{ lb/hr} \times 1 \text{ ton}/2000 \text{ lbs} = 31.92 \text{ tons/yr}$$

Therefore, compliance with the annual emission limitation is ensured if compliance is maintained with the annual fuel usage restriction, as a rolling 12 month summation.

If required, the permittee shall demonstrate compliance with the hourly NOx emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 7.

d. Emission Limitation

5.65 lb of CO emissions/hr; 8.48 tons/year of CO emissions

Applicable Compliance Method

The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the emissions unit's total heat input of 6.65 MMBtu/hr by the emission factor of 0.85 lb of CO emissions/MMBtu. This emission factor is from AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (10/96).

The annual CO emission limitation was established by the following methodology:

P002 has a limit of 145,500 gallons of oil used per year. 145,500 gallons/yr and 48.5
maximum gallons used per hour = 3000 hours/yr

$$\text{CO: } 3000 \text{ hrs/yr} \times 5.65 \text{ lb/hr} \times 1 \text{ ton}/2000 \text{ lbs} = 8.48 \text{ tons/yr}$$

Therefore, compliance with the annual emission limitation is ensured if compliance is maintained with the annual fuel usage restriction.

If required, the permittee shall demonstrate compliance with the hourly CO emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 10.

e. Emission Limitation

0.60 lb of OC emissions/hr; 0.90 ton/year of OC emissions

Applicable Compliance Methods

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The hourly emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the emissions unit's total heat input of 6.65 MMBtu/hr by the emission factor of 0.09 lb of VOC emissions/MMBtu. This emission factor is from AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (10/96).

The annual VOC emission limitation was established by the following methodology:

P002 has a limit of 145,000 gallons of oil used per year. 145,500 gallons/yr and 48.5 maximum gallons used per hour = 3000 hours/yr

OC: $3000 \text{ hrs/yr} \times 0.60 \text{ lb/hr} \times 1 \text{ ton}/2000 \text{ lbs} = 0.90 \text{ ton/yr}$

Therefore, compliance with the annual emission limitation is ensured if compliance is maintained with the annual fuel usage restriction.

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

f. Emission Limitation

0.41 lb of PE/hr and 0.38 lb of PM10 emissions/hr; 0.62 TPY of PE and 0.57 TPY of PM10 emissions

Applicable Compliance Method

The hourly emission limitations are based upon the emissions unit's potentials to emit and were established by multiplying the emissions unit's total heat input of 6.65 MMBtu/hr by the emission factors of 0.062 lb of filterable PE/MMBtu and 0.0573 lb of PM10/MMBtu. These emission factors are from AP-42, Fifth Edition, Section 3.4, Table 3.4-2 (10/96).

The annual PM and PM10 emissions limitations were established by the following methodology:

P002 has a limit of 145,500 gallons of oil used per year. 145,500 gallons/yr and 48.5 maximum gallons used per hour = 3000 hours/yr

PM: $3000 \text{ hrs/yr} \times 0.41 \text{ lb/hr} \times 1 \text{ ton}/2000 \text{ lbs} = 0.62 \text{ ton/yr}$

PM10: $3000 \text{ hrs/yr} \times 0.38 \text{ lb/hr} \times 1 \text{ ton}/2000 \text{ lbs} = 0.57 \text{ ton/yr}$

Therefore, compliance with the annual emission limitations is ensured if compliance is

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maintained with the annual fuel usage restriction.

If required, the permittee shall demonstrate compliance with the hourly PM limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

If required, the permittee shall demonstrate compliance with the hourly PM10 emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 40 CFR Part 51, Appendix M, Method 201.

g. Emission Limitation

PE shall not exceed 0.35 lb/MMBtu of actual heat input.

Applicable Compliance Method

Compliance with this emission limitation may be based upon an emission factor of 0.062 lb of filterable PE/MMBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

h. Emission Limitation

PE shall not exceed 0.062 lb/MMBtu actual heat input.

Applicable Compliance Method

Compliance with this emission limitation may be based upon an emission factor of 0.062 lb of filterable PE/MMBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

i. Fuel Usage Limitation

The maximum No. 2 fuel oil usage for this emissions unit shall not exceed 145,500 gallons/year, based on a rolling, 12-month summation of the No. 2 fuel oil usage.

Applicable Compliance Method

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Compliance with the fuel usage limitation shall be demonstrated by the record keeping requirements specified in term and condition C.2.

j. Fuel Usage Limitation

The permittee shall only burn No. 2 fuel oil with a sulfur content of 0.5%, by weight, or less in this emissions unit.

Applicable Compliance Method

Compliance with the fuel usage limitation in term and condition B.1 shall be demonstrated by the record keeping requirements specified in terms and conditions C.1. and C.3.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

a. Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee may relocate a portable emissions unit within the State of Ohio without first obtaining a permit to install (PTI) provided the following criteria are met:

- i. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- ii. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO), PTI or registration status;
- iii. the permittee has provided proper notice of intent to relocate the portable emissions unit to Ohio EPA within a minimum of thirty days prior to the scheduled relocation; and
- iv. in Ohio EPA's 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 may relocate the portable emissions unit within the State of Ohio without first obtaining a PTI provided the following criteria of OAC rule 3745-31-05(F) are met:

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

- ii. the portable emissions unit is equipped with best available technology;
 - iii. the permittee has identified the proposed site to 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 permittee 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 permittee has provided Ohio EPA with fifteen days written notice of the relocation.
2. Any site approval issued by Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and is subject to renewal.

In order for the Hamilton County Department of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee shall 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 Hamilton County Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate Ohio EPA field office having jurisdiction over the new site.

Upon receipt of the notice, the Hamilton County Department of Environmental Services and/or appropriate Ohio EPA 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 civil penalties.

3. The following terms and conditions of this permit are federally enforceable: A., B., C., D. and E.

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PTI A

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