



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

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

Lazarus Gov.
Center

**RE: DRAFT PERMIT TO INSTALL MODIFICATION
MUSKINGUM COUNTY
Application No: 06-07137**

CERTIFIED MAIL

DATE: 11/4/2003

Mar Zane Plant No 24
Ronald Morrison
PO Box 1585
Zanesville, OH 43701

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install modification for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit modification. 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 modification 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 modification 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 modification a fee of \$ 0 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.

Very truly yours,

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

cc: USEPA

SEDO

WV

MUSKINGUM COUNTY

PUBLIC NOTICE

**ISSUANCE OF DRAFT PERMIT TO INSTALL 06-07137 FOR AN AIR CONTAMINANT SOURCE FOR
MAR ZANE PLANT NO 24**

On 11/4/2003 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Mar Zane Plant No 24**, located at **3570 South River Road, Zanesville, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 06-07137:

Administrative modification of PTI 06-07137, issued 6/24/03, to correct errors in calculations of allowable emissions for P001 and P002.

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.

Kay Gilmer, Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138 [(740)385-8501]



**Permit To Install
Terms and Conditions**

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

DRAFT MODIFICATION OF PERMIT TO INSTALL 06-07137

Application Number: 06-07137
APS Premise Number: 0660010242
Permit Fee: **To be entered upon final issuance**
Name of Facility: Mar Zane Plant No 24
Person to Contact: Ronald Morrison
Address: PO Box 1585
Zanesville, OH 43701

Location of proposed air contaminant source(s) [emissions unit(s)]:

**3570 South River Road
Zanesville, Ohio**

Description of proposed emissions unit(s):

Administrative modification of PTI 06-07137, issued 6/24/03, to correct errors in calculations of allowable emissions for P001 and P002.

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Mar Zane Plant No 24

Facility ID: 0660010242

PTI Application: 06-07137

Issued: To be entered upon final issuance

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

Mar Zane Plant No 24
PTI Application: 06-07137

Facility ID: 0660010242

Issued: To be entered upon final issuance

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

Mar Zane Plant No 24

PTI Application: 06-07137

Issued: To be entered upon final issuance

lead to such sanctions

Facility ID: 0660010242

Mar Zane Plant No 24

Facility ID: 0660010242

PTI Application: 06-07137

Issued: To be entered upon final issuance

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

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

10. Public Disclosure

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

11. Applicability

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

12. Best Available Technology

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

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

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete

Mar Zane Plant No 24

Facility ID: 0660010242

PTI Application: 06-07137

Issued: To be entered upon final issuance

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

Mar Zane Plant No 24
PTI Application 06 07127
Issue

Facility ID: 0660010242

Emissions Unit ID: **P001**

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit..

14. Construction Compliance Certification

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

15. Fees

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

B. Permit to Install Summary of Allowable Emissions

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

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

| <u>Pollutant</u> | <u>Tons Per Year</u> |
|------------------|----------------------|
| SOx | 4.4 |
| NOx | 27.1 |
| VOC | 1.1 |
| Particulate | 0.6 |
| CO | 6.4 |

Mar
PTI /

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.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> |
|---|--------------------------------------|
| P001 - Portable1005 HP 750 KVA Generator Set | OAC rule 3745-31-05(A)(3) |
| | OAC rule 3745-35-07(B) |
| | OAC rule 3745-17-11(B)(5)(b) |
| *Modified | OAC rule 3745-17-07(A) |
| | OAC rule 3745-18-06(B) |
| | OAC rule 3745-23-06(B) |

Mar
PTI

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

See A.2.a.

See A.2.b.

Emissions shall not exceed:

4.07 pounds per hour (lbs/hr) and
4.1 tons per twelve month rolling
summation of sulfur dioxide (SO₂);

24.12 lbs/hr and 24.2 tons per
twelve month rolling summation of
nitrogen oxides (NO_x);

0.71 lb/hr and 0.8 ton per twelve
month rolling summation of
volatile organic compounds (VOC);

0.4 ton per twelve month rolling
summation of particulate emissions
(PE); and

5.62 lbs/hr and 5.7 tons per
twelve month rolling summation of
carbon monoxide (CO).

The requirements of this rule also
include compliance with the
requirements of OAC rules
3745-35-07(B), 3745-17-
11(B)(5)(b) and 3745-17-07(A).

See B.2.

0.062 lb particulate/million Btu of
actual heat input.

Visible emissions shall not exceed
20% opacity, as a six-minute
average.

Mar Zane Plant No 24
PTI Application 06-07127
Issue

Facility ID: 0660010242

Emissions Unit ID: **P001**

2. Additional Terms and Conditions

- 2.a** This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
- 2.b** 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 this permit to install.

B. Operational Restrictions

1. The permittee shall only burn low sulfur No. 2 or diesel fuel, containing less than 0.5% sulfur by weight, in this emissions unit.
2. The maximum number of operating hours for emissions unit P001 shall not exceed 2000 hours per 12 month rolling summation. To ensure enforceability during the first 12 calendar months of operation following the startup of emissions unit P001, the permittee shall not exceed the operating hours specified in the following table:

| <u>Month(s)</u> | <u>Maximum Cumulative Operating Hours</u> |
|-----------------|---|
| 1 | 1,250 |
| 1-2 | 2,000 |
| 1-3 | 2,000 |
| 1-4 | 2,000 |
| 1-5 | 2,000 |
| 1-6 | 2,000 |
| 1-7 | 2,000 |
| 1-8 | 2,000 |
| 1-9 | 2,000 |
| 1-10 | 2,000 |
| 1-11 | 2,000 |
| 1-12 | 2,000 |

After the first 12 calendar months of operation following the startup of emissions unit P001, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the operating hours.

C. Monitoring and/or Recordkeeping Requirements

Mar
PTI

Emissions Unit ID: **P001**

Issued: To be entered upon final issuance

1. For each day during which the permittee burns a fuel other than low sulfur No. 2 or diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain documentation on the sulfur content of all fuels received.
3. The permittee shall maintain monthly records of the following information:
 - a. The operating hours for each month.
 - b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the hours of operation.
 - c. Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than low sulfur No. 2 or diesel fuel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit deviation (excursion) reports which identify the following exceedances:
 - a. the rolling, 12-month hours of operation limitation;
 - b. for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation.
 - c. sulfur content fuel restriction described in condition B.1.

These deviation (excursion) reports shall be submitted in accordance with the general terms and conditions of this permit.

E. Testing Requirements

1. **Emission Limitation:**
Emissions of nitrogen oxides (NO_x) shall not exceed 24.12 lbs/hr and 24.2 tons per twelve month rolling summation.

Mar
PTI

Emissions Unit ID: **P001**

Issued: To be entered upon final issuance

Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emissions factor from AP-42, Table 3.4-1, 10/1996 (0.024 lb/HP-hr) by the maximum rated capacity of P001 (1005 HP).

Annual emissions shall be determined by multiplying the hourly NO_x emission rate by the total number of hours of operation each year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

2. **Emissions Limitation:**

Emissions of carbon monoxide (CO) shall not exceed 5.62 lbs/hr and 5.7 tons per twelve month rolling summation.

Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emissions factor from AP-42, Table 3.4-1, 10/1996 (0.85 lb/mmBtu) by the maximum heat input of P001 (6.605 mmBtu/hr).

Annual emissions shall be determined by multiplying the hourly CO emission rate by the total number of hours of operation each year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

3. **Emission Limitation:**

Emissions of VOC shall not exceed 0.71 lb/hr and 0.8 ton per twelve month rolling summation.

Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.4-1, 10/1996 (0.000705 lb/HP-hr) by the maximum rated capacity of P001 (1005 HP).

Annual emissions shall be determined by multiplying the hourly VOC emission rate by the total number of hours operated per year and dividing by 2000 lbs/ton.

Mar Zane Plant No 24
PTI Application 06 07127
Issue

Facility ID: 0660010242

Emissions Unit ID: **P001**

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

Mar
PTI

Emissions Unit ID: **P001**

Issued: To be entered upon final issuance

4. Emissions Limitation:
Emissions of SO₂ shall not exceed 4.07 lbs/hr and 4.1 tons per twelve month rolling summation.

Compliance Method:
Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.4-1, 10/1996 [(0.00809 times the sulfur content (0.5) in percent) lb/HP-hr] by the maximum rated capacity of P001 (1005 HP).

Annual emissions shall be determined by multiplying the hourly SO₂ emission rate by the total number of hours operated per year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 6. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.
5. Emission Limitation:
Particulate emissions shall not exceed 0.4 ton per twelve month rolling summation.

Compliance Method:
Compliance shall be demonstrated by multiplying the PE emission limitation of 0.062 lb/mmBtu by the rated capacity of P001 (6.605 mmBtu/hr) and by the total number of hours operated per year and dividing by 2000 lbs/ton.
6. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average.

Compliance Method:
Compliance with the visible emission limitation shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A. No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).
7. Emission Limitation:

Particulate emissions shall not exceed 0.062 lb/mmBtu of actual heat input.

Compliance Method:
Compliance shall be determined by the emission factor of 0.062 lb/mmBtu specified in the U.S. EPA reference document AP-42, Table 3.4-2 (10/96).

Mar

PTI /

Emissions Unit ID: **P001**

Issued: To be entered upon final issuance

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

Mar
PTI

Emissions Unit ID: **P001**

Issued: To be entered upon final issuance

F. Miscellaneous Requirements

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

2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,

Mar Zane Plant No 24
PTI Application 06 07127
Issue

Facility ID: 0660010242

Emissions Unit ID: **P001**

- g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

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

3. In order for the SEDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the SEDO (2195 Front Street, Logan, Ohio 43138) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the SEDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions from the portable emission units are included in the facility potential to emit calculations for Title V and PSD applicability.

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

Mar
PTI

Emissions Unit ID: **P002**

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.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> |
|--|--|
| P002 - Portable 71 HP 53 kw Overnight Generator Set | OAC rule 3745-31-05(A)(3) |
| *Modified | OAC rule 3745-35-07(B) OAC rule 3745-17-11(B)(5)(a) OAC rule 3745-17-07(A) OAC rule 3745-18-06(B) OAC rule 3745-23-06(B) |

Mar
PTI

Emissions Unit ID: **P002**

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control Measures

See A.2.a.

See A.2.b.

Emissions shall not exceed:

0.3 pound per hour (lb/hr) and
0.3 ton per twelve month rolling
summation of sulfur dioxide (SO₂);

3.2 lbs/hr and 2.9 tons per twelve
month rolling summation of
nitrogen oxides (NO_x);

0.3 lb/hr and 0.3 ton per twelve
month rolling summation of
volatile organic compounds (VOC);

0.2 ton per twelve month rolling
summation of particulate emissions
(PE); and

0.7 lb/hr and 0.7 ton per twelve
month rolling summation of
carbon monoxide (CO).

The requirements of this rule also
include compliance with the
requirements of OAC rules 3745-
35-07(B), 3745-17-11(B)(5)(a) and
3745-17-07(A).

See B.2.

0.310 lb particulate/million Btu of
actual heat input.

Visible emissions shall not exceed
20% opacity, as a six-minute
average.

Mar Zane Plant No 24
 PTI Application 06-07127
 Issue

Facility ID: 0660010242

Emissions Unit ID: P002

2. Additional Terms and Conditions

- 2.a** This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
- 2.b** 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 this permit to install.

B. Operational Restrictions

1. The permittee shall only burn low sulfur No. 2 or diesel fuel, containing less than 0.5% sulfur by weight, in this emissions unit.
2. The permittee has requested a federally enforceable limitation on operating hours for purposes of limiting potential to emit to avoid possible future Title V applicability associated with relocation of a portable source. Therefore, the maximum number of operating hours for emissions unit P002 shall not exceed 1800 hours per 12 month period. To ensure enforceability during the first 12 calendar months of operation following the startup of emissions unit P002, the permittee shall not exceed the operating hours specified in the following table:

| <u>Month(s)</u> | <u>Maximum Cumulative Operating Hours</u> |
|-----------------|---|
| 1 | 900 |
| 1-2 | 1,350 |
| 1-3 | 1,800 |
| 1-4 | 1,800 |
| 1-5 | 1,800 |
| 1-6 | 1,800 |
| 1-7 | 1,800 |
| 1-8 | 1,800 |
| 1-9 | 1,800 |
| 1-10 | 1,800 |
| 1-11 | 1,800 |
| 1-12 | 1,800 |

After the first 12 calendar months of operation following the startup of emissions unit P002, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the operating hours.

Issued: To be entered upon final issuance**C. Monitoring and/or Recordkeeping Requirements**

1. For each day during which the permittee burns a fuel other than low sulfur No. 2 or diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain documentation on the sulfur content of all fuels received.
3. The permittee shall maintain monthly records of the following information:
 - a. The operating hours for each month.
 - b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the hours of operation.
 - c. Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than low sulfur No. 2 or diesel fuel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit deviation (excursion) reports which identify the following exceedances:
 - a. the rolling, 12-month hours of operation limitation;
 - b. for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation.
 - c. sulfur content fuel restriction described in condition B.1.

These deviation (excursion) reports shall be submitted in accordance with the general terms and conditions of this permit.

Mar
PTI

Emissions Unit ID: **P002**

Issued: To be entered upon final issuance

E. Testing Requirements

1. Emissions Limitation:
Emissions of nitrogen oxides (NO_x) shall not exceed 3.2 lbs/hr and 2.9 tons per twelve month rolling summation.

Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emissions factor from AP-42, Table 3.3-1, 10/1996 (4.41 lb/mmBtu) by the maximum heat input of P002 (0.713 mmBtu/hr).

Annual emissions shall be determined by multiplying the hourly NO_x emission rate by the total number of hours of operation each year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

2. Emissions Limitation:
Emissions of carbon monoxide (CO) shall not exceed 0.7 lb/hr and 0.7 ton per twelve month rolling summation.

Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emissions factor from AP-42, Table 3.3-1, 10/1996 (0.95 lb/mmBtu) by the maximum heat input of P002 (0.713 mmBtu/hr).

Annual emissions shall be determined by multiplying the hourly CO emission rate by the total number of hours of operation each year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

3. Emissions Limitation:
Emissions of VOC shall not exceed 0.3 lb/hour and 0.3 ton per twelve month rolling summation.

Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission

Emissions Unit ID: **P002**

factor from AP-42, Table 3.3-1, 10/1996 (0.36 lb/mmBtu) by the maximum heat input of P002 (0.713 mmBtu/hr).

Annual emissions shall be determined by multiplying the hourly VOC emission rate by the total number of hours operated per year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

4. Emissions Limitation:
Emissions of SO₂ shall not exceed 0.3 lb/hour and 0.3 ton per twelve month rolling summation.

Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.29 lb/mmBtu) by the maximum heat input of P002 (0.713 mmBtu/hr).

Annual emissions shall be determined by multiplying the hourly SO₂ emission by the total number of hours operated per year and dividing by 2000 lbs/ton.

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 6. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

5. Emission Limitation:
Particulate emissions shall not exceed 0.2 ton per twelve month rolling summation.

Compliance Method:

Compliance shall be demonstrated by multiplying the PE emission limitation of 0.31 lb/mmBtu by the rated capacity of P002 (0.713 mmBtu/hr) and by the total number of hour operated per year and dividing by 2000 lbs/ton.

6. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average.

Compliance Method:

Compliance with the visible emission limitation shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A. No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

Mar
PTI

Emissions Unit ID: **P002**

Issued: To be entered upon final issuance

7. Emission Limitation:

Particulate emissions shall not exceed 0.310 lb/mmBtu of actual heat input.

Compliance Method:

Compliance shall be determined by the emission factor of 0.31 lb/mmBtu 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 (10/96).

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

F. Miscellaneous Requirements

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

Mar Zane Plant No 24
PTI Application 06 07127
Issue

Facility ID: 0660010242

Emissions Unit ID: **P002**

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

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

3. In order for the SEDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the SEDO (2195 Front Street, Logan, Ohio 43138) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the SEDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions from the portable emission units are included in the facility potential to emit calculations for Title V and PSD applicability.

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