



State of Ohio Environmental Protection Agency

Street Address:
122 S. Front Street

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

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

**RE: FINAL PERMIT TO INSTALL
COLUMBIANA COUNTY
Application No: 02-91645**

CERTIFIED MAIL

DATE: June 21, 2000

Eljer Plumbingware, Inc.
John Nadzan
921 South Ellsworth Avenue
Salem, OH 44460

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

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

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA
DAPC, NEDO

STATE OF OHIO ENVIRONMENTAL PROTECTION
AGENCY

**Permit To Install
Terms and
Conditions**

**Issue Date: June 21, 2000
Effective Date: June 21, 2000**

FINAL PERMIT TO INSTALL 02-91645

Application Number: 02-91645
APS Premise Number: 0215090188
Permit Fee: **\$400**
Name of Facility: Eljer Plumbingware, Inc.
Person to Contact: John Nadzan
Address: 921 South Ellsworth Avenue
Salem, OH 44460

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

**921 South Ellsworth Avenue
Salem, Ohio**

Description of proposed emissions unit(s):

1-350 KW DIESEL GENERATOR AND 2-530 HP NATURAL GAS-FIRED AIR COMPRESSORS.

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

Eljer Plumbingware, Inc.
PTI Application: 02-91645
Date: June 21, 2000

Facility ID: 0215090188

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. 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.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written 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. See B.11 below if no deviations occurred during the quarter.

Eljer Plumbingware, Inc.
PTI Application: **02-91645**
Date: **June 21, 2000**

Facility ID: **0215090188**

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. 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, i.e., upset, 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. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"); and, pursuant to 40 CFR 68.215(a), the permittee shall submit either of the following:

- a. a compliance plan for meeting the requirements of 40 CFR Part 68 by the date specified in 40 CFR 68.10(a) and OAC 3745-104-05(A); or
- b. as part of the compliance certification submitted under 40 CFR 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 CFR Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any

regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. 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.

Eljer Plumbingware, Inc.
PTI Application: **02-91645**
Date: **June 21, 2000**

Facility ID: **0215090188**

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

Eljer Plumbingware, Inc.
PTI Application: **02-91645**
Date: June 21, 2000

Facility ID: **0215090188**

- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
- ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit To Operate Application

- 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 Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

Eljer Plumbingware, Inc.
PTI Application: **02-91645**
Date: **June 21, 2000**

Facility ID: **0215090188**

B. State Only Enforceable 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 Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable 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 state-only required 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. 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.

4. 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.

Eljer Plumbingware, Inc.
PTI Application: **02-91645**
Date: **June 21, 2000**

Facility ID: **0215090188**

5. 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.

6. 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 are inadequate 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 prove to be inadequate or cannot meet applicable standards.

7. 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.

8. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

Eljer Plumbingware, Inc.
 PTI Application: **02-91645**
Date: June 21, 2000

Facility ID: **0215090188**

9. 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.

10. 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.

11. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

C. 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>
NO _x	33.1
CO	11.6
SO _x	1.45
OC	23.0
PM	5.83

Eljer Plumbingware, Inc.
PTI Application: **02-91645**
Date: June 21, 2000

Facility ID: **0215090188**

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None.

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None.

Eljer I

PTI A₁

Date: June 21, 2000

Emissions Unit ID: P067

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
350 kW diesel generator used for providing electricity for an air compressor.	OAC rule 3745-31-05(D)	NOx emissions: 22.0 tons per year, as a rolling 12-month summation
	OAC rule 3745-17-11(B)(5)(a)	Particulate matter emissions: 0.310 pound per million Btu of actual heat input
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed twenty percent opacity, as a six-minute average
	OAC rule 3745-18-06(F)	Exempt in accordance with OAC rule 3745-18-06(A)

2. Additional Terms and Conditions

- 2.a None.

II. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 2,400 hours per year, based upon a rolling, 12-month summation of the operating hours.

To ensure enforceability during the first 12 calendar months of operation, the permittee shall not exceed the operating hours levels specified in the following table:

Eljer I

PTI A₁

Date: June 21, 2000

Emissions Unit ID: P067

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Operating Hours</u>
1	200
1-2	400
1-3	600
1-4	800
1-5	1,000
1-6	1,200
1-7	1,400
1-8	1,600
1-9	1,800
1-10	2,000
1-11	2,200
1-12	2,400

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

III. Monitoring and/or Recordkeeping Requirements

1. 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, the rolling, 12-month summation of the operating hours.

Also, during the first 12 calendar months of operation, the permittee shall record the cumulative operating hours for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative operating hours levels. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

V. Testing Requirements

1. Emission Limitation:

0.310 pound per million Btu of actual heat input of particulate matter emissions

Applicable Compliance Method:

If required by the Ohio EPA, particulate matter emissions shall be determined in accordance with the following method(s): Methods 1,2,3,4 and 5 of 40 CFR Part 60, Appendix A.

2. Emission Limitation:

Twenty percent (20%) opacity for visible particulate matter emissions

Applicable Compliance Method:

If required by the Ohio EPA, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1), using the methods and procedures specified in U.S. EPA reference method 9.

3. Emission Limitation:

22.0 tons per year as a rolling 12-month summation of NO_x emissions.

Applicable Compliance Method:

Rolling 12-month summation of NO_x emissions shall be based upon the recordkeeping requirements specified in section A.III.1 and the hourly NO_x emission rate (established by the initial compliance test). The monthly NO_x emissions shall be determined by multiplying the hourly NO_x emission rate (established by the initial compliance test) by the monthly hours of operation and then dividing by 2,000 pounds per ton.

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
350 kW diesel generator used for providing electricity for an air compressor.	OAC rule 3745-31-05	NOx emissions: 18.3 pounds per hour and 22.0 tons per year CO emissions: 3.95 pounds per hour and 4.74 tons per year SOx emissions: 1.21 pounds per hour and 1.45 tons per year OC emissions: 1.46 pounds per hour and 1.75 tons per year Particulate matter emissions: 1.55 tons per year

2. Additional Terms and Conditions

- 2.a None.

II. Operational Restrictions

1. The quality of fuel burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may

Date: June 21, 2000

be used upon written approval by the Ohio EPA Northeast District Office. The representative sulfur dioxide emission rate from any sample shall be calculated using the formula in OAC rule 3745-18-04(F)(2).

IV. Reporting Requirements

1. The permittee shall submit, annually by January 31, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) for each shipment of oil. The total quantity of oil received in each shipment (gallons) shall also be included with the copies of the permittee's or oil supplier's analyses.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months of startup of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for NO_x.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for NO_x, Method 7 or 7E of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Northeast District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Northeast District Office's refusal to accept the results of the emission

Eljer Plumbingware, Inc.

PTI Application: **02-01645**

Date:

Facility ID: **0215090188**

Emissions Unit ID: **P067**

test(s).

Personnel from the Ohio EPA Northeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

Eljer IPTI A₁**Date: June 21, 2000**Emissions Unit ID: **P067**

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Northeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Northeast District Office.

2. Emissions Limitation:

18.3 pounds per hour of NO_x emissions

Applicable Compliance Method:

NO_x emissions shall be determined in accordance with the emissions testing outlined in section V.1, using Method 7 or 7E of 40 CFR Part 60, Appendix A.

3. Emission Limitation:

3.14 pounds per hour of CO emissions

0.96 pound per hour of SO_x emissions

1.16 pounds per hour of OC emissions

Applicable Compliance Method:

To determine the actual emission rates for this emissions unit, the emission factors outlined in AP-42, Section 3.3 (Gasoline and Diesel Industrial Engines, 10/96 - Fifth Edition), Table 3.3-1, shall be used.

4. Emission Limitation:

4.74 tons per year of CO emissions

1.45 tons per year of SO_x emissions

1.75 tons per year of OC emissions

1.55 tons per year of particulate matter emissions

Applicable Compliance Method:

The annual emission rates shall be determined by multiplying the annual hours of operation by the allowable hourly emission rate and then dividing by 2,000 pounds per ton.

5. Emission Limitation:

19

Eljer I

PTI A₁

Date: June 21, 2000

Emissions Unit ID: **P067**

22.0 tons per year of NO_x emissions

20

Eljer 1

PTI A₁

Date: June 21, 2000

Emissions Unit ID: **P067**

Applicable Compliance Method:

Annual NO_x emissions shall be determined by multiplying the hourly emission rate (established by the initial compliance test) by the annual hours of operation and then dividing by 2,000 pounds per ton.

VI. Miscellaneous Requirements

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
530 hp natural gas-fired air compressor #1 (4-cycle lean burn)	OAC rule 3745-31-05(D)	NOx emissions: 5.53 tons per year, as a rolling 12-month summation
	OAC rule 3745-17-11(B)(5)(a)	Particulate matter emissions: 0.310 pound per million Btu of actual heat input
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed twenty percent opacity, as a six-minute average

2. **Additional Terms and Conditions**

- 2.a None.

II. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 3,640 hours per year, based upon a rolling, 12-month summation of the operating hours.

To ensure enforceability during the first 12 calendar months of operation, the permittee shall not exceed the operating hours levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Operating Hours</u>
1	303
1-2	606
1-3	909
1-4	1,212
1-5	1,515

1-6	1,818
1-7	2,121
1-8	2,424
1-9	2,727
1-10	3,030
1-11	3,333
1-12	3,640

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

2. The permittee shall use only natural gas as fuel for this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

1. 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, the rolling, 12-month summation of the operating hours.

Also, during the first 12 calendar months of operation, the permittee shall record the cumulative operating hours for each calendar month.

2. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative operating hours levels. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Emission Limitation:

0.310 pound per million Btu of actual heat input of particulate matter emissions

Date: June 21, 2000

Applicable Compliance Method:

If required by the Ohio EPA, particulate matter emissions shall be determined in accordance with the following method(s): Methods 1,2,3,4 and 5 of 40 CFR Part 60, Appendix A.

2. Emission Limitation:

Twenty percent (20%) opacity for visible particulate matter emissions

Applicable Compliance Method:

If required by the Ohio EPA, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1), using the methods and procedures specified in U.S. EPA reference method 9.

3. Emission Limitation:

5.53 tons per year as a rolling 12-month summation of NO_x emissions.

Applicable Compliance Method:

Rolling 12-month summation of NO_x emissions shall be based upon the recordkeeping requirements specified in section A.III.1 and the hourly NO_x emission rate (established by the initial compliance test). The monthly NO_x emissions shall be determined by multiplying the hourly NO_x emission rate (established by the initial compliance test) by the monthly hours of operation and then dividing by 2,000 pounds per ton.

VI. Miscellaneous Requirements

None.

Date: June 21, 2000

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
530 hp natural gas-fired air compressor #1 (4-cycle lean burn)	OAC rule 3745-31-05	NOx emissions: 3.04 pounds per hour and 5.53 tons per year CO emissions: 1.87 pounds per hour and 3.41 tons per year OC emissions: 5.83 pounds per hour and 10.6 tons per year Particulate matter emissions: 2.14 tons per year

2. **Additional Terms and Conditions**

2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 3 months of startup of the emissions unit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for NO_x.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for NO_x, Method 7 or 7E of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Northeast District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA Northeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Northeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Northeast District Office.

2. Emissions Limitation:

3.04 pounds per hour of NO_x emissions

Applicable Compliance Method:

NO_x emissions shall be determined in accordance with the emissions testing outlined in section

Date: June 21, 2000

V.1, using Method 7 or 7E of 40 CFR Part 60, Appendix A.

3. Emission Limitation:

5.53 tons per year of NO_x emissions

Date: June 21, 2000

Applicable Compliance Method:

Annual NOx emissions shall be determined by multiplying the hourly emission rate (established by the initial compliance test) by the annual hours of operation and then dividing by 2,000 pounds per ton.

4. Emission Limitation:

1.87 pounds per hour of CO emissions
5.83 pounds per hour of OC emissions

Applicable Compliance Method:

To determine the actual emission rates for this emissions unit, the emission factors outlined in AP-42, Section 3.2 (Heavy-duty Natural Gas-fired Pipeline Compressor Engines and Turbines, 10/96 - Fifth Edition), Table 3.2-1, shall be used.

5. Emission Limitation:

3.41 tons per year of CO emissions
10.6 tons per year of OC emissions
2.14 tons per year of particulate matter emissions

Applicable Compliance Method:

The annual emission rates shall be determined by multiplying the annual hours of operation by the allowable hourly emission rate and then dividing by 2,000 pounds per ton.

VI. Miscellaneous Requirements

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
530 hp natural gas-fired air compressor #2 (4-cycle lean burn)	OAC rule 3745-31-05(D)	NOx emissions: 5.53 tons per year, as a rolling 12-month summation
	OAC rule 3745-17-11(B)(5)(a)	Particulate matter emissions: 0.310 pound per million Btu of actual heat input.
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed twenty percent opacity, as a six-minute average.

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 3,640 hours per year, based upon a rolling, 12-month summation of the operating hours.

To ensure enforceability during the first 12 calendar months of operation, the permittee shall not exceed the operating hours levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Operating Hours</u>
1	303
1-2	606
1-3	909

Date: June 21, 2000

1-4	1,212
1-5	1,515
1-6	1,818
1-7	2,121
1-8	2,424
1-9	2,727
1-10	3,030
1-11	3,333
1-12	3,640

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

2. The permittee shall use only natural gas as fuel for this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

1. 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, the rolling, 12-month summation of the operating hours.

Also, during the first 12 calendar months of operation, the permittee shall record the cumulative operating hours for each calendar month.

2. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative operating hours levels. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

Date: June 21, 2000

V. Testing Requirements

1. Emission Limitation:

0.310 pound per million Btu of actual heat input of particulate matter emissions

Applicable Compliance Method:

If required by the Ohio EPA, particulate matter emissions shall be determined in accordance with the following method(s): Methods 1,2,3,4 and 5 of 40 CFR Part 60, Appendix A.

2. Emission Limitation:

Twenty percent (20%) opacity for visible particulate matter emissions

Applicable Compliance Method:

If required by the Ohio EPA, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1), using the methods and procedures specified in U.S. EPA reference method 9.

3. Emission Limitation:

5.53 tons per year as a rolling 12-month summation of NO_x emissions.

Applicable Compliance Method:

Rolling 12-month summation of NO_x emissions shall be based upon the recordkeeping requirements specified in section A.III.1 and the hourly NO_x emission rate (established by the initial compliance test). The monthly NO_x emissions shall be determined by multiplying the hourly NO_x emission rate (established by the initial compliance test) by the monthly hours of operation and then dividing by 2,000 pounds per ton.

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
530 hp natural gas-fired air compressor #1 (4-cycle lean burn)	OAC rule 3745-31-05	NOx emissions: 3.04 pounds per hour and 5.53 tons per year CO emissions: 1.87 pounds per hour and 3.41 tons per year OC emissions: 5.83 pounds per hour and 10.6 tons per year Particulate matter emissions: 2.14 tons per year

2. **Additional Terms and Conditions**

- 2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

1. Emissions Limitation:

Date: June 21, 2000

3.04 pounds per hour of NOx emissions

Applicable Compliance Method:

If required by the Ohio EPA, NOx emissions shall be determined in accordance with the following method(s): Methods 1,2,3,4 and 7 or 7E of 40 CFR Part 60, Appendix A.

2. Emission Limitation:

5.53 tons per year of NOx emissions

Applicable Compliance Method:

Annual NOx emissions shall be determined by multiplying the hourly emission rate (established by the initial compliance test) by the annual hours of operation and then dividing by 2,000 pounds per ton.

3. Emission Limitation:

1.87 pounds per hour of CO emissions

5.83 pounds per hour of OC emissions

Applicable Compliance Method:

To determine the actual emission rates for this emissions unit, the emission factors outlined in AP-42, Section 3.2 (Heavy-duty Natural Gas-fired Pipeline Compressor Engines and Turbines, 10/96 - Fifth Edition), Table 3.2-1, shall be used.

4. Emission Limitation:

3.41 tons per year of CO emissions

10.6 tons per year of OC emissions

2.14 tons per year of particulate matter emissions

Applicable Compliance Method:

The annual emission rates shall be determined by multiplying the annual hours of operation by the allowable hourly emission rate and then dividing by 2,000 pounds per ton.

VI. Miscellaneous Requirements

Date: June 21, 2000

Emissions Unit ID: **P069**

None.