



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION
STARK COUNTY**

CERTIFIED MAIL

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

Application No: 15-01443

DATE: 6/18/2002

PELorox
Kenneth Grigsby
3026 Saratoga Ave SW
Canton, OH 44706

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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

Environmental Review Appeals Commission
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

Canton LAA



**Permit To Install
Terms and Conditions**

**Issue Date: 6/18/2002
Effective Date: 6/18/2002**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 15-01443

Application Number: 15-01443
APS Premise Number: 1576001899
Permit Fee: **\$1200**
Name of Facility: PELorox
Person to Contact: Kenneth Grigsby
Address: 3026 Saratoga Ave SW
Canton, OH 44706

Location of proposed air contaminant source(s) [emissions unit(s)]:
**3021 Saratoga Avenue SW
Perry Twp., Ohio**

Description of proposed emissions unit(s):
Administrative modification removing the HEPPA filters from emissions units P003 and P004.

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

PELorox

PTI Application: 15-01443

Modification Issued: 6/18/2002

Facility ID: 1576001899

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 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 information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

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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 application must be made to the Director for the installation or modification of any other emissions unit(s).

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

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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.

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>
PM/PM ₁₀	3.25
VOC	0.022
NO _x	1.84
CO	1.58

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P001 - 2,500 lbs/hr Metallic Oxides Bulk Bag Loading Station with baghouse.	OAC rule 3745-31-05(A)(3)	PM/PM ₁₀ emissions shall not exceed 0.03 grain/dscf, 0.29 lb/hr and 1.27 tons/yr. Visible particulate emissions from the stack servicing this emissions unit shall not exceed 10% opacity, as a 6-minute average. See section A.2.a below.
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- 2.a All of the PM/PM₁₀ emissions generated by this emissions unit shall be captured and vented to a baghouse.

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 6 inches of water while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

E. Testing Requirements

1. Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation
PM/PM₁₀ emissions shall not exceed 0.03 grain/dscf, 0.29 lb/hr and 1.27 tons/yr.

Applicable Compliance Method
If required, Method 5 from 40 CFR Part 60, Appendix A. 1.27 tons PM/PM₁₀ is simply a product of the hourly emission limit of 0.29 lb PM/PM₁₀/hr times 8,760 hrs/yr.
 - b. Emission Limitation
Visible particulate emissions from the stack servicing this emissions unit shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method
If required, Method 9 from 40 CFR Part 60, Appendix A.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

PEL01**PTI A****Modification Issued: 6/18/2002**Emissions Unit ID: **P001**

- a. The emission testing shall be conducted within 6 months after startup of this emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable PM/PM₁₀ emission limit of 0.03 grain/dscf.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable emission rate(s): Method 5 from 40 CFR Part 60, Appendix A.
- 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 Canton local air agency.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's 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 Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency 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 Canton local air agency within 30 days following completion of the test(s).

F. Miscellaneous Requirements

None

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P002 - 2,000 lbs/hr Slurry Mixing Batch Tank with baghouse (Mixing of metallic oxides with either water or mineral spirits).	OAC rule 3745-31-05(A)(3)	PM/PM ₁₀ emissions shall not exceed 0.03 grain/dscf, 0.25 lb/hr and 1.1 tons/yr. VOC emissions shall not exceed 0.005 lb/hr and 0.022 ton/yr. Visible particulate emissions from the stack servicing this emissions unit shall not exceed 10% opacity, as a 6-minute average. See section A.2.a below.
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- 2.a All emissions generated by this emissions unit shall be captured and vented to a baghouse.

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 6 inches of water while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

E. Testing Requirements

1. Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation
PM/PM₁₀ emissions shall not exceed 0.03 grain/dscf, 0.25 lb/hr and 1.1 tons/yr.

Applicable Compliance Method
If required, Method 5 from 40 CFR Part 60, Appendix A. 1.1 tons PM/PM₁₀ is simply a product of the hourly emission limit of 0.25 lb PM/PM₁₀/hr times 8,760 hrs/yr.
 - b. Emission Limitation
VOC emissions shall not exceed 0.005 lb/hr and 0.022 ton/yr.

Applicable Compliance Method
If required, Method 25A from 40 CFR Part 60, Appendix A.
 - c. Emission Limitation
Visible particulate emissions from the stack servicing this emissions unit shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method

If required, Method 9 from 40 CFR Part 60, Appendix A

2. 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 6 months after startup of this emissions unit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable PM/PM₁₀ emission limit of 0.03 grain/dscf.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable emission rate(s): Method 5, 40 CFR Part 60, Appendix A.
 - 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 Canton local air agency.
 - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's 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 Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency 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 Canton local air agency within 30 days following completion of the test(s).

F. Miscellaneous Requirements

None

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Facility ID: 1576001899

Emissions Unit ID: **P002**

PEL01

PTI A

Modification Issued: 6/18/2002

Emissions Unit ID: P003

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 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>
P003 - 2.1 MMBtu/hr natural gas fired dryer with wet scrubber Dryer #1 (Used to dry fine metallic oxides.)	OAC rule 3745-31-05(A)(3)	PM/PM ₁₀ emissions shall not exceed 0.003 grain/dscf, 0.1 lb/hr and 0.44 ton/yr. NO _x emissions shall not exceed 0.21 lb/hr and 0.92 ton/yr. CO emissions shall not exceed 0.18 lb/hr and 0.79 ton/yr. Visible particulate emissions from the stack servicing this emissions unit shall not exceed 10% opacity, as a 6-minute average. See section A.2.a below.
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established

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PEL01

PTI A

Modification Issued: 6/18/2002

Emissions Unit ID: **P003**

pursuant to OAC rule
3745-31-05(A)(3).

2. Additional Terms and Conditions

- 2.a** All emissions generated by this emissions unit shall be captured and vented to a wet scrubber.

B. Operational Restrictions

1. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 3 inches of water at all times while the emissions unit is in operation.
2. The scrubber water flow rate shall be continuously maintained at a value of not less than 10 gallons per minute at all times while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. the pressure drop across the scrubber, in inches of water, on a daily basis;
- b. the scrubber water flow rate, in gallons per minute, on a daily basis; and
- c. the operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
 - a. the static pressure drop across the scrubber; and
 - b. the scrubber water flow rate.
2. The permittee shall submit deviation (excursion) reports that identify all periods of time during

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Facility ID: 1576001899

Emissions Unit ID: **P003**

which this emissions unit was operating when the capture (collection) system, the wet scrubber, and/or the monitoring equipment were not operating.

PEL01**PTI A****Modification Issued: 6/18/2002**Emissions Unit ID: **P003****E. Testing Requirements**

1. Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation
PM/PM₁₀ emissions shall not exceed 0.003 grain/dscf, 0.1 lb/hr and 0.44 ton/yr.

Applicable Compliance Method
If required, Method 5 from 40 CFR Part 60, Appendix A. 0.44 ton PM/PM₁₀ is simply a product of the hourly emission limit of 0.1 lb PM/PM₁₀/hr times 8,760 hrs/yr.
 - b. Emission Limitation
NO_x emissions shall not exceed 0.21 lb/hr and 0.92 ton/yr.

Applicable Compliance Method
If required, Method 7 from 40 CFR Part 60, Appendix A. 0.92 ton NO_x/yr is simply a product of the hourly emission limit of 0.21 lb NO_x/hr times 8,760 hrs/yr.
 - c. Emission Limitation
CO emissions shall not exceed 0.18 lb/hr and 0.79 ton/yr.

Applicable Compliance Method
If required, Method 10 from 40 CFR Part 60, Appendix A. 0.79 ton CO/yr is simply a product of the hourly emission limit of 0.18 lb/hr times 8,760 hrs/yr.
 - d. Emission Limitation
Visible particulate emissions from the stack servicing this emissions unit shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method
If required, Method 9 from 40 CFR Part 60, Appendix A.
2. 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 6 months after startup of this emissions unit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable

PEL01**PTI A****Modification Issued: 6/18/2002**Emissions Unit ID: **P003**

PM/PM₁₀ emission limit of 0.003 grain/dscf.

- c. The following test method(s) shall be employed to demonstrate compliance with the allowable emission rate(s): Method 5 from 40 CFR Part 60, Appendix A.
- 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 Canton local air agency.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's 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 Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency 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 Canton local air agency within 30 days following completion of the test(s).

F. Miscellaneous Requirements

None

PELorox

PTI Application: 15-01443

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Facility ID: 1576001899

Emissions Unit ID: P004

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>	<u>Applicable Emissions Limitations/Control Measures</u>
P004 - 2.1 MMBtu/hr natural gas fired dryer with wet scrubber Dryer #2 (Used to dry fine metallic oxides.)	OAC rule 3745-31-05(A)(3)	PM/PM ₁₀ emissions shall not exceed 0.003 grain/dscf, 0.1 lb/hr and 0.44 ton/yr. NO _x emissions shall not exceed 0.21 lb/hr and 0.92 ton/yr. CO emissions shall not exceed 0.18 lb/hr and 0.79 ton/yr. Visible particulate emissions from the stack servicing this emissions unit shall not exceed 10% opacity, as a 6-minute average. See section A.2.a below.
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- 2.a** All emissions generated by this emissions unit shall be captured and vented to a wet scrubber

B. Operational Restrictions

1. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 3 inches of water at all times while the emissions unit is in operation.
2. The scrubber water flow rate shall be continuously maintained at a value of not less than 10 gallons per minute at all times while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. the pressure drop across the scrubber, in inches of water, on a daily basis;
- b. the scrubber water flow rate, in gallons per minute, on a daily basis; and
- c. the operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
 - a. the static pressure drop across the scrubber; and
 - b. the scrubber water flow rate.
2. The permittee shall submit deviation (excursion) reports that identify all periods of time during

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PEL01

PTI A

Modification Issued: 6/18/2002

Emissions Unit ID: **P004**

which this emissions unit was operating when the capture (collection) system, the wet scrubber and/or the monitoring equipment were not operating.

PELO1

PTI A

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E. Testing Requirements

1. Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation
PM/PM₁₀ emissions shall not exceed 0.003 grain/dscf, 0.1 lb/hr and 0.44 ton/yr.

Applicable Compliance Method
If required, Method 5 from 40 CFR Part 60, Appendix A. 0.44 ton PM/PM₁₀ is simply a product of the hourly emission limit of 0.1 lb PM/PM₁₀/hr times 8,760 hrs/yr.
 - b. Emission Limitation
NO_x emissions shall not exceed 0.21 lb/hr and 0.92 ton/yr.

Applicable Compliance Method
If required, Method 7 from 40 CFR Part 60, Appendix A. 0.92 ton NO_x/yr is simply a product of the hourly emission limit of 0.21 lb NO_x/hr times 8,760 hrs/yr.
 - c. Emission Limitation
CO emissions shall not exceed 0.18 lb/hr and 0.79 ton/yr.

Applicable Compliance Method
If required, Method 10 from 40 CFR Part 60, Appendix A. 0.79 ton CO/yr is simply a product of the hourly emission limit of 0.18 lb/hr times 8,760 hrs/yr.
 - d. Emission Limitation
Visible particulate emissions from the stack servicing this emissions unit shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method
If required, Method 9 from 40 CFR Part 60, Appendix A.
2. 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 6 months after startup of this emissions unit.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable

PM/PM₁₀ emission limit of 0.003 grain/dscf.

- c. The following test method(s) shall be employed to demonstrate compliance with the allowable emission rate(s): Method 5 from 40 CFR Part 60, Appendix A.
- 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 Canton local air agency.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's 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 Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency 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 Canton local air agency within 30 days following completion of the test(s).

F. Miscellaneous Requirements

None