State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
CUYAHOGA COUNTY

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: 13-03665

DATE: 6/26/2001

GE Ivanhoe Road Plant
Mark Dailey
1099 Ivanhoe Rd.
Cleveland, OH 44110

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

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

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

Environmental Review Appeals Commission
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 **CBAPC**

FINAL PERMIT TO INSTALL 13-03665

Application Number:	13-03665
APS Premise Number:	1318000156
Permit Fee:	**$3200**
Name of Facility:	GE Ivanhoe Road Plant
Person to Contact:	Mark Dailey
Address:	1099 Ivanhoe Rd. Cleveland, OH 44110

Location of proposed air contaminant source(s) [emissions unit(s)]:
1099 Ivanhoe Rd
Cleveland, **Ohio**

Description of proposed emissions unit(s):
Milling, Bead Blasting,and material handling, of Fluorescent Powder.

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

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 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

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

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

15. Fees

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

B. Permit to Install Summary of Allowable Emissions

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

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

Pollutant	Tons Per Year
PM	15.05

Emissions Unit ID: **P048**

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Emissions Limitations/Control Measures	Applicable Rules/Requirements
P048: Company ID #685 ACM milling of fluorescent powder associated with the F-1002 with natural gas-fired rotary furnace controlled by a 5,750 acfm Pulsaire, Inc. baghouse. The maximum process weight rate is 340 lbs/hr.	OAC rule 3745-31-05(A)(3)	0.49 lb PE/hr 2.15 tpy PE Visible particulate emissions shall not exceed five (5) percent opacity, as a six-minute average.
	OAC rule 3745-17-11(A)(2)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 and 6.0 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 weekly basis to ensure compliance with the above-mentioned applicable requirements.

D. Reporting Requirements

1. The permittee shall submit quarterly 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.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation:
   0.49 lb PE/hr
   2.15 tpy PE

   Applicable Compliance Method:
   Compliance with the hourly PE emission limitation shall be determined by multiplying the baghouse exhaust flow rate, 5,760 scfm, by the outlet grain loading assumption of 0.01 gr/scfm, and the conversion factors 60 minutes/hr and 1.0 lb/7,000 gr.

   Compliance with the yearly PE emission limitation shall be determined by multiplying the above, calculated, hourly emission rate by 8,760 hours per year and the conversion factor of 1.0 ton/2,000 lbs.

2. Emission Limitation:
   Visible particulate emissions shall not exceed five percent opacity, as a six-minute average.

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P049: Company ID #3574 Bead blasting of crucibles previously containing fluorescent powder associated with the F-1002 with natural gas-fired rotary furnace controlled by a 2,000 acfm Engineered Abrasives, Inc. baghouse. The maximum process weight rate is 280 lbs/hr.	OAC rule 3745-31-05(A)(3)	0.17 lb PE/hr 0.75 tpy PE Visible particulate emissions shall not exceed five (5) percent opacity, as a six-minute average.
	OAC rule 3745-17-11(A)(2)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 and 6.0 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 weekly basis to ensure compliance with the above-mentioned applicable requirements.

D. Reporting Requirements

1. The permittee shall submit quarterly 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.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation:
   0.17 lb PE/hr
   0.75 tpy PE

   Applicable Compliance Method:
   Compliance with the hourly PE emission limitation shall be determined by multiplying the baghouse exhaust flow rate, 2,000 scfm, by the outlet grain loading assumption of 0.01 gr/scfm, and the conversion factors 60 minutes/hr and 1.0 lb/7,000 gr.

   Compliance with the yearly PE emission limitation shall be determined by multiplying the above, calculated, hourly emission rate by 8,760 hours per year and the conversion factor of 1.0 ton/2,000 lbs.

2. Emission Limitation:
   Visible particulate emissions shall not exceed five percent opacity, as a six-minute average.

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P050: Company ID #3573 Bead blasting of crucibles previously containing fluorescent powder associated with the F-73 with natural gas-fired rotary furnace controlled by a 2,000 acfm Engineered Abrasives, Inc. baghouse. The maximum process weight rate is 280 lbs/hr.	OAC rule 3745-31-05(A)(3)	0.17 lb PE/hr 0.75 tpy PE Visible particulate emissions shall not exceed five (5) percent opacity, as a six-minute average.
	OAC rule 3745-17-11(A)(2)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 and 6.0 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 weekly basis to ensure compliance with the above-mentioned applicable requirements.

D. Reporting Requirements

1. The permittee shall submit quarterly 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.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation:
   0.17 lb PE/hr
   0.75 tpy PE

   Applicable Compliance Method:
   Compliance with the hourly PE emission limitation shall be determined by multiplying the baghouse exhaust flow rate, 2,000 scfm, by the outlet grain loading assumption of 0.01 gr/scfm, and the conversion factors 60 minutes/hr and 1.0 lb/7,000 gr.

   Compliance with the yearly PE emission limitation shall be determined by multiplying the above, calculated, hourly emission rate by 8,760 hours per year and the conversion factor of 1.0 ton/2,000 lbs.

2. Emission Limitation:
   Visible particulate emissions shall not exceed five percent opacity, as a six-minute average.

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P051: Company ID #680 ACM milling of fluorescent powder associated with the F-73 with natural gas-fired rotary furnace controlled by a 5750 acfm Pulsaire, Inc. baghouse. The maximum process weight rate is 340 lbs/hr.	OAC rule 3745-31-05(A)(3)	0.49 lb PE/hr 2.15 tpy PE Visible particulate emissions shall not exceed five (5) percent opacity, as a six-minute average.
	OAC rule 3745-17-11(A)(2)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 and 6.0 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 weekly basis to ensure compliance with the above-mentioned applicable requirements.

D. Reporting Requirements

1. The permittee shall submit quarterly 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.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation:
   0.49 lb PE/hr
   2.15 tpy PE

   Applicable Compliance Method:
   Compliance with the hourly PE emission limitation shall be determined by multiplying the baghouse exhaust flow rate, 5750 scfm, by the outlet grain loading assumption of 0.01 gr/scfm, and the conversion factors 60 minutes/hr and 1.0 lb/7,000 gr.

   Compliance with the yearly PE emission limitation shall be determined by multiplying the above, calculated, hourly emission rate by 8,760 hours per year and the conversion factor of 1.0 ton/2,000 lbs.

2. Emission Limitation:
   Visible particulate emissions shall not exceed five percent opacity, as a six-minute average.

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P052: Company ID #679 ACM milling of fluorescent powder associated with the F-4 with natural gas-fired rotary furnace controlled by a 5,750 acfm Pulsaire, Inc. baghouse. The maximum process weight rate is 340 lbs/hr.	OAC rule 3745-31-05(A)(3)	0.49 lb PE/hr 2.15 tpy PE Visible particulate emissions shall not exceed five (5) percent opacity, as a six-minute average.
	OAC rule 3745-17-11(A)(2)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

Emissions Unit ID: **P052**

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 and 6.0 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 weekly basis to ensure compliance with the above-mentioned applicable requirements.

D. Reporting Requirements

1. The permittee shall submit quarterly 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.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation:
   0.49 lb PE/hr
   2.15 tpy PE

   Applicable Compliance Method:
   Compliance with the hourly PE emission limitation shall be determined by multiplying the baghouse exhaust flow rate, 5,750 scfm, by the outlet grain loading assumption of 0.01 gr/scfm, and the conversion factors 60 minutes/hr and 1.0 lb/7,000 gr.

   Compliance with the yearly PE emission limitation shall be determined by multiplying the above, calculated, hourly emission rate by 8,760 hours per year and the conversion factor of 1.0 ton/2,000 0lbs.

2. Emission Limitation:
   Visible particulate emissions shall not exceed five percent opacity, as a six-minute average.

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P901: Company ID# F1002-MH Material handling of fluorescent powder associated with the F-1002-MH natural gas-fired rotary furnace controlled by a 5,750 acfm Pulsaire, Inc. baghouse. The maximum process weight rate is 410 lb/hr.	OAC rule 3745-31-05(A)(3)	0.49 lb PE/hr 2.15 tpy PE Visible particulate emissions from any stack shall not exceed five (5) percent opacity, as a six-minute average.
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions of fugitive dust shall not exceed five (5) percent opacity, as a three-minute average.
	OAC rule 3745-17-08(B)	See A.2.a through A.2.e.

2. Additional Terms and Conditions

2.a The permittee shall employ best available control measures for the material handling operation(s) for the purpose of ensuring compliance with the applicable requirements.

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

2.b For each material handling operation, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

2.c The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit.

2.d The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension dust material from the production and material handling area.

2.e Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 and 6.0 inches of
water, while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the process areas in accordance with the following frequencies:

Material handling and production areas	minimum inspection frequency
50 feet of material processing area	Weekly

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal operating hours.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed, including those inspections that were not performed due to process and operations shutdown;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

   c. the dates the control measures were implemented; and

   d. on a calendar quarter basis, the total number of weeks the control measures were implemented and the total number of weeks when inspections were not performed due to process and operations shutdown;

5. 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 weekly basis to ensure compliance with the above-mentioned applicable requirements.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

   a. each instance during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an operational shutdown; and

   b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

2. 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.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation:
   0.49 lb PE/hr
   2.15 tpy PE

   Applicable Compliance Method:
   Compliance with the hourly PE emission limitation shall be determined by multiplying the baghouse exhaust flow rate, 5,760 scfm, by the outlet grain loading assumption of 0.01 gr/scfm, and the conversion factors 60 minutes/hr and 1.0 lb/7,000 gr.

   Compliance with the yearly PE emission limitation shall be determined by multiplying the above, calculated, hourly emission rate by 8,760 hours per year and the conversion factor of
   1.0 ton/2,000 lbs.

2. Emission Limitation:
   Visible particulate emissions from any stackshall not exceed five percent opacity, as a six-minute average.

   If required, compliance shall be determined through visible emissions observations performed in

accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule
3745-17-03 (B)(1).

3. Emission Limitation:
Visible particulate emissions of fugitive dust shall not exceed five percent opacity, as a three (3)-minute average.

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule
3745-17-03 (B)(3). The points of observation shall include any non-stack egress points from the building housing of this emissions unit. Such egress points shall include, but are not limited to, doorways, windows and roof monitors.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P902: Company ID F4-MH Material handling of fluorescent powder associated with the F-4 natural gas-fired rotary furnace controlled by a 7,500 acfm Pulsaire, Inc. baghouse. The maximum process weight rate is 410 lb/hr.	OAC rule 3745-31-05(A)(3)	0.64 lb PE/hr 2.80 tpy PE Visible particulate emissions from any stack shall not exceed five (5) percent opacity, as a six-minute average.
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions of fugitive dust shall not exceed five (5) percent opacity, as a three-minute average.
	OAC rule 3745-17-08(B)	See A.2.a through A.2.e.

2. Additional Terms and Conditions

2.a The permittee shall employ best available control measures for the material handling operation(s) for the purpose of ensuring compliance with the applicable requirements.

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

2.b For each material handling operation, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

2.c The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit.

2.d The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension dust material from the production and material handling area.

2.e Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 and 6.0 inches of water, while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the process
areas in accordance with the following frequencies:

Material handling and production areas	minimum inspection frequency
50 feet of material processing area	Weekly

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal operating hours.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed, including those inspections that were not performed due to process and operations shutdown;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

   c. the dates the control measures were implemented; and

   d. on a calendar quarter basis, the total number of weeks the control measures were implemented and the total number of weeks when inspections were not performed due to process and operations shutdown;

5. 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, andmaintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis to ensure compliance with the above-mentioned applicable requirements.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

   a. each instance during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an operational shutdown; and

   b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

2. 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.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation:
   0.64 lb PE/hr
   2.80 tpy PE

   Applicable Compliance Method:
   Compliance with the hourly PE emission limitation shall be determined by multiplying the baghouse exhaust flow rate, 7,500 scfm, by the outlet grain loading assumption of 0.01 gr/scfm, and the conversion factors 60 minutes/hr and 1.0 lb/7,000 gr.

   Compliance with the yearly PE emission limitation shall be determined by multiplying the above, calculated, hourly emission rate by 8,760 hours per year and the conversion factor of 1.0 ton/2,000 lbs.

2. Emission Limitation:
   Visible particulate emissions from any stack shall not exceed five percent opacity, as a six-minute average.

   If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

3. Emission Limitation:
   Visible particulate emissions of fugitive dust shall not exceed five percent opacity, as a three (3)-minute average.

   If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(3). The points of observation shall include any non-stack egress points from the building housing of this emissions unit. Such egress points shall include, but are not limited to, doorways, windows and roof monitors.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P903: Company ID # F73-MH Material handling of fluorescent powder associated with F-73 natural gas-fired rotary furnace controlled by a 5,750 acfm Pulsaire, Inc. baghouse. The maximum process weight rate is 410 lb/hr.	OAC rule 3745-31-05(A)(3)	0.49 lb PE/hr 2.15 tpy PE Visible particulate emissions from any stack shall not exceed five (5) percent opacity, as a six-minute average.
	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent that the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions of fugitive dust shall not exceed five (5) percent opacity, as a three-minute average.
	OAC rule 3745-17-08(B)	See A.2.a through A.2.e.

2. Additional Terms and Conditions

2.a The permittee shall employ best available control measures for the material handling operation(s) for the purpose of ensuring compliance with the applicable requirements.

Nothing in this paragraph shall prohibit the permittee from employing other control

measures to ensure compliance.

2.b For each material handling operation, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

2.c The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit.

2.d The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension dust material from the production and material handling area.

2.e Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2.0 and 6.0 inches of
water, while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the process
areas in accordance with the following frequencies:

Material handling and production areas	minimum inspection frequency
50 feet of material processing area	Weekly

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal operating hours.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office
or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed, including those inspections
   that were not performed due to process and operations shutdown;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

   c. the dates the control measures were implemented; and

   d. on a calendar quarter basis, the total number of weeks the control measures were implemented and the total number of weeks when inspections were not performed due to process and operations shutdown;

5. 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 weekly basis to ensure compliance with the above-mentioned applicable requirements.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

   a. each instance during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an operational shutdown; and

   b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

2. 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.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emissions limitation(s) of these terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation:
   0.49 lb PE/hr
   2.15 tpy PE

   Applicable Compliance Method:
   Compliance with the hourly PE emission limitation shall be determined by multiplying the baghouse exhaust flow rate, 5760 scfm, by the outlet grain loading assumption of 0.01 gr/scfm, and the conversion factors 60 minutes/hr and 1.0 lb/7,000 gr.

   Compliance with the yearly PE emission limitation shall be determined by multiplying the above, calculated, hourly emission rate by 8,760 hours per year and the conversion factor
   of 1.0 ton/2,000 lbs.

2. Emission Limitation:
   Visible particulate emissions from any stack shall not exceed five percent opacity, as a six-minute average.
   If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule
   3745-17-03 (B)(1).

3. Emission Limitation:
   Visible particulate emissions of fugitive dust shall not exceed five percent opacity, as a three (3)-minute average.

   If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule
   3745-17-03 (B)(3). The points of observation shall include any non-stack egress points from the building housing of this emissions unit. Such egress points shall include, but are not limited to,

doorways, windows and roof monitors.

F. Miscellaneous Requirements

None

NEW SOURCE REVIEW FORM B

PTI Number: 13-03665 Facility ID: 1318000156

FACILITY NAME GE Ivanhoe Road Plant

FACILITY DESCRIPTION Milling, Bead Blasting,and material handling, of Fluorescent Powder. CITY/TWP Cleveland

SIC CODE 2816 SCC CODE 3-01-035-01 EMISSIONS UNIT ID P048

EMISSIONS UNIT DESCRIPTION ACM Mill for Fluorescent Powder.

DATE INSTALLED May 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.02	0.07	0.49	2.15
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination: Engineering knowledge of the process.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $ N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 13-03665 Facility ID: 1318000156

FACILITY NAME GE Ivanhoe Road Plant

FACILITY DESCRIPTION Milling, Bead Blasting and material CITY/TWP Cleveland

Emissions Unit ID: **P903**

SIC CODE 2816 SCC CODE 3-01-035-01 EMISSIONS UNIT ID P049

EMISSIONS UNIT DESCRIPTION Bead Blasting of Crucibles containing trihalo phosphor fluorescent powder.

DATE INSTALLED May 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.02	0.07	0.17	0.75
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination: Engineering knowledge of the process

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $ N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

10896.wpd

NEW SOURCE REVIEW FORM B

PTI Number: 13-03665 Facility ID: 1318000156

FACILITY NAME GE Ivanhoe Road Plant

FACILITY DESCRIPTION Milling, Bead Blasting and material CITY/TWP Cleveland

Emissions Unit ID: **P903**

SIC CODE 2816 SCC CODE 3-01-035-01 EMISSIONS UNIT ID P050

EMISSIONS UNIT DESCRIPTION Bead Blasting of crucibles containing Fluorescent powder.

DATE INSTALLED May 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.02	0.07	0.17	0.75
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination: Engineering knowledge of the process.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $ N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

10896.wpd

NEW SC

PTI Num

FACILIT

Emissions Unit ID: **P903**

FACILITY DESCRIPTION Milling, Bead Blasting,and material handling, of Fluorescent Powder.

CITY/TWP Cleveland

SIC CODE 2816 SCC CODE 3-01-035-01 EMISSIONS UNIT ID P051

EMISSIONS UNIT DESCRIPTION ACM Milling of Fluorescent Powder.

DATE INSTALLED May 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.02	0.07	0.49	2.15
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination: Engineering knowledge of the process.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $ N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 13-03665 Facility ID: 1318000156

FACILITY NAME GE Ivanhoe Road Plant

FACILITY DESCRIPTION Milling, Bead Blasting,and material CITY/TWP Cleveland

Emissions Unit ID: **P903**

SIC CODE 2816 SCC CODE 3-01-035-01 EMISSIONS UNIT ID P052

EMISSIONS UNIT DESCRIPTION ACM Milling of Fluorescent Powder.

DATE INSTALLED May 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.02	0.07	0.49	2.15
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination: Engineering knowledge of the process.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $ N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

10896.wpd

NEW SOURCE REVIEW FORM B

PTI Number: 13-03665 Facility ID: 1318000156

FACILITY NAME GE Ivanhoe Road Plant

FACILITY DESCRIPTION Milling, Bead Blasting and material CITY/TWP Cleveland

Emissions Unit ID: **P903**

SIC CODE 2816 SCC CODE 3-01-035-01 EMISSIONS UNIT ID P901

EMISSIONS UNIT DESCRIPTION Material Handling of Fluorescent Powder.

DATE INSTALLED May 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.004	0.001	0.49	2.15
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination: Engineering knowledge of the process.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $ N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

10896.wpd

NEW SC

PTI Num

FACILIT

Emissions Unit ID: **P903**

FACILITY DESCRIPTION Milling, Bead Blasting,and material handling, of Fluorescent Powder. CITY/TWP Cleveland

SIC CODE 2816 SCC CODE 3-01-035-01 EMISSIONS UNIT ID P902

EMISSIONS UNIT DESCRIPTION Material Handling of Fluorescent Powder.

DATE INSTALLED May 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.004	0.015	0.64	2.80
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination: Engineering knowledge of the process.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $ N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 13-03665 Facility ID: 1318000156

FACILITY NAME GE Ivanhoe Road Plant

FACILITY DESCRIPTION Milling, Bead Blasting and material CITY/TWP Cleveland

Emissions Unit ID: **P903**

SIC CODE 2816 SCC CODE 3-01-035-01 EMISSIONS UNIT ID P903

EMISSIONS UNIT DESCRIPTION Material Handling of Flourescent Powder.

DATE INSTALLED May 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.004	0.001	0.49	2.15
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination: Engineering knowledge of the process.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $ N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____