

Title V Application

Title V Operating Permit Application - Part 1

Form 1.0: Facility Identification and Application Certification

Permit Application Type: (check all that apply)

- Initial* Administrative Amendment Renewal*
 Minor Permit Modification Modification Significant Permit Modification
 PreApp Meeting/Assistance*

Application Description:

Title V renewal application. The former Faircast facility was acquired and is now named HyCast Foundry, LLC. The facility is a minor source of HAPs and is subject to bubble HAP limits.

FACILITY INFORMATION

1. **Company/Facility Name:** HyCast Foundry LLC
2. **EIQ Number:** 92-1370 3. **Facility Number:** 51-01-005
- Facility Address: 905 West Depot
- City: Fairfield State: IA Zip Code: 52556
4. **Permit Contact Name:** Dean Jensen Title: Contractor Mr. Ms. Dr.
- Phone Number: 5632609444 Email: djensen@hycastfoundry.com
- Mailing Address: 2520 Echo Avenue
- City: Letts State: IA Zip Code: 52754

BILLING & INVOICE REMITTANCE INFORMATION (*) (if different than contact information)

5. **Billing Contact Name:** Kennie Haynes
- Company Name: _____
- Phone Number: 6412094100 Email: khaynes@hycastfoundry.com
- Mailing Address: 905 West Depot Avenue
- City: Fairfield State: IA Zip Code: 52556

PARENT COMPANY INFORMATION

6. Parent Company/Owner Name: _____

Contact/Agent Name: _____ Title: _____
Phone Number: _____ Email: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____

7. Number of Employees: Facility Total: 35 Company Total (Iowa): _____

PROCESSES AND PRODUCTS

8. Principal Activity: SIC Code: 3321 - Gray and ductile iron foundries
NAICS Code: 331511 - Iron Foundries

9. Secondary Activity: SIC Code: _____
NAICS Code: _____

*By submitting an initial or renewal application or requesting a pre-application meeting / assistance, the applicant agrees to be billed for all fees incurred for the review of your application or activities related to your pending application at the applicable hourly rate. The applicant agrees that the applicant is liable for application fees based on the current Fee Schedule.

DESIGNATION OF RESPONSIBLE OFFICIAL (567 IAC 24.100)

10. Responsible Official: Dennis Michels Title: President
Phone Number: 6412094100 Email: dmichels@hycastfoundry.com
Mailing Address: 905 West Depot Avenue
City: Fairfield State: IA Zip Code: 52556

STATEMENT OF CERTIFICATION OF COMPLIANCE (Required if Part 2 forms are enclosed)

This certification of compliance must be signed by the responsible official designated above as required by 567 Iowa Administrative Code (IAC) 22.105(2)(1)

"I certify under penalty of law that, based on information and belief formed after reasonable inquiry, that the statements and information contained in this document accurately reflect the compliance status of this facility, for the past year to date, and are true, accurate, and complete."

President

Signature of Responsible Official

Title of Responsible Official

Dennis Michels

Print Name of Responsible Official

Date signed

STATEMENT OF CERTIFICATION OF COMPLIANCE (Required if Part 2 forms are enclosed)

This certification of truth, accuracy, and completeness must be signed by the responsible official designated above as required by 567 IAC 22.107(4)

“I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.”

Signature of Responsible Official

President

Title of Responsible Official

Dennis Michels

Print Name of Responsible Official

Date signed

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP104F

2. Emission Point Description:
MANUAL POUR AND COOL

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:

(interior dimensions at exit point) Circular Diameter (ft)
Rectangular Dimensions (ft * ft)
Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.
 6. _____

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP111F

2. Emission Point Description:
TUMBLER 1, TUMBLER 2, GRINDING

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:

(interior dimensions at exit point) Circular Diameter (ft)
Rectangular Dimensions (ft * ft)
Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP112F

2. Emission Point Description:
TUMBLERS 3 AND 4, GRINDING

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:
(interior dimensions at exit point) Circular Diameter (ft)
Rectangular Dimensions (ft * ft)
Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP114F

2. Emission Point Description:
GRINDING;CASTINGS

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:
(interior dimensions at exit point) Circular Diameter (ft)
Rectangular Dimensions (ft * ft)
Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP119F

2. Emission Point Description:
PREPARED SAND TRANSFER

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:
(interior dimensions at exit point) Circular Diameter (ft)
Rectangular Dimensions (ft * ft)
Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP120F

2. Emission Point Description:
MANUAL MOLD

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:

(interior dimensions at exit point) Circular Diameter (ft)
Rectangular Dimensions (ft * ft)
Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.
 6. _____

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP122F

2. Emission Point Description:
RESIN SAND STORAGE

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
 Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:
 (interior dimensions at exit point) Circular Diameter (ft)
 Rectangular Dimensions (ft * ft)
 Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.
 6. _____

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP147F

2. Emission Point Description:
HAUL ROAD ACTIVITY

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:

(interior dimensions at exit point) Circular Diameter (ft)
Rectangular Dimensions (ft * ft)
Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.
 6. _____

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP149F

2. Emission Point Description:
COKE STORAGE PILE

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
 Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:
(interior dimensions at exit point) Circular Diameter (ft)
 Rectangular Dimensions (ft * ft)
 Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

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Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP150F

2. Emission Point Description:
LIMESTONE STORAGE PILE

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:
(interior dimensions at exit point) Circular Diameter (ft)
Rectangular Dimensions (ft * ft)
Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP159F

2. Emission Point Description:
TEMPORARY SAND STORAGE PILE

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:
(interior dimensions at exit point) Circular Diameter (ft)
Rectangular Dimensions (ft * ft)
Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.

7. Exhaust Stream Information

Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form 2.0: Emission Point Information

1. Emission Point (EP) Number: EP160F

2. Emission Point
Description:

PERMANENT SAND STORAGE PILE

3. Is this stack/vent used as an Emergency Bypass Stack? Yes No

If Yes, for which stack(s)? List Emission Point Numbers:

EMISSION POINT INFORMATION

4. EP Type Vertical Vertical With Rain Cap Downward (e.g. gooseneck)
 Horizontal Indoor Vented Fugitive

5. Stack Shape and Dimensions:

(interior dimensions at exit point) Circular Diameter (ft)

Rectangular Dimensions (ft * ft)

Other Dimensions (ft)

8. Stack Height Above Ground: _____ ft.

6. _____

7. Exhaust Stream Information			
Exhaust Stream Characteristics	Units of Measure	Is the stack temperature ambient?	Exhaust Stream Value
a) Flow Rate	<input type="checkbox"/> ACFM or <input type="checkbox"/> SCFM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Deg F

Title V Application

Form CE-01: Pollution Control Equipment Data Sheet

1. Control Equipment Number: CE301
2. Type of Pollution Control Equipment (please describe): Fabric Filter / Baghouse
3. Description: _____
4. Manufacturer: Fuller 5. Model: 1024
6. Serial Number: TA10 7. Date of Installation: 04/15/1992
8. Does this equipment exhaust to the atmosphere? Yes No

EMISSIONS DATA

9. Equipment Control Efficiency based on:
- Manufacturers Data
 - Stack Test: Date of Test: _____ Reference Test Method: _____
- (If stack test data are used a copy of the Report Summary must be attached. Do not submit the entire stack test report.)
- Other (specify): DNR Guidance _____

10. Pollutant Controlled	11. % Capture Efficiency	12. % Control Equipment Efficiency	13. % Combined Control Efficiency
Total PM	100	99	99
PM2.5	100	95	95
PM10	100	95	95
Lead	100	80	80
Manganese Compounds	100	99	99
Arsenic Compounds	100	99	99
Cadmium Compounds	100	99	99
Chromium Compounds	100	99	99
Mercury Compounds	100	99	99
Nickel	100	99	99

Emission Point ID	Emission Point Description
EP201	CUPOLA BAGHOUSE STACK

Emission Point ID	Emission Point Description
EP203	DISA A/B M/P/C BAGHOUSE STACK

Title V Application

Form CE-01: Pollution Control Equipment Data Sheet

1. Control Equipment Number: CE307
2. Type of Pollution Control Equipment (please describe): Fabric Filter / Baghouse
3. Description: _____
4. Manufacturer: _____ 5. Model: _____
6. Serial Number: _____ 7. Date of Installation: 10/01/1992
8. Does this equipment exhaust to the atmosphere? Yes No

EMISSIONS DATA

9. Equipment Control Efficiency based on:
- Manufacturers Data
- Stack Test: Date of Test: 11/13/2001 Reference Test Method: Method 5
- (If stack test data are used a copy of the Report Summary must be attached. Do not submit the entire stack test report.)
- Other (specify): _____

10. Pollutant Controlled	11. % Capture Efficiency	12. % Control Equipment Efficiency	13. % Combined Control Efficiency
Total PM	100	99	99
PM2.5	100	95	95
PM10	100	95	95

Emission Point ID	Emission Point Description
EP208	DISA MULLER BAGHOUSE STACK

Title V Application

Form CE-01: Pollution Control Equipment Data Sheet

1. Control Equipment Number: CE309

2. Type of Pollution Control Equipment (please describe): Fabric Filter / Baghouse

3. Description: _____

4. Manufacturer: Flex Kleen 5. Model: _____

6. Serial Number: _____ 7. Date of Installation: 04/01/2003

8. Does this equipment exhaust to the atmosphere? Yes No

EMISSIONS DATA

9. Equipment Control Efficiency based on:

Manufacturers Data

Stack Test: Date of Test: _____ Reference Test Method: _____

(If stack test data are used a copy of the Report Summary must be attached. Do not submit the entire stack test report.)

Other (specify): DNR Guidance

10. Pollutant Controlled	11. % Capture Efficiency	12. % Control Equipment Efficiency	13. % Combined Control Efficiency
Total PM	100	99	99
PM2.5	100	95	95
PM10	100	95	95

Emission Point ID	Emission Point Description
EP211	CORE SAND TANK VENT

Title V Application

Form CE-01: Pollution Control Equipment Data Sheet

1. Control Equipment Number: CE311

2. Type of Pollution Control Equipment (please describe): Other Control Device

3. Description: Cartridge Filter

4. Manufacturer: Donaldson Co. 5. Model: HPT96

6. Serial Number: _____ 7. Date of Installation: 06/01/1988

8. Does this equipment exhaust to the atmosphere? Yes No

EMISSIONS DATA

9. Equipment Control Efficiency based on:

Manufacturers Data

Stack Test: Date of Test: _____ Reference Test Method: _____

(If stack test data are used a copy of the Report Summary must be attached. Do not submit the entire stack test report.)

Other (specify): DNR Guidance

10. Pollutant Controlled	11. % Capture Efficiency	12. % Control Equipment Efficiency	13. % Combined Control Efficiency
Total PM	100	99	99
PM2.5	100	95	95
PM10	100	95	95

Emission Point ID	Emission Point Description
EP111F	TUMBLER 1, TUMBLER 2, GRINDING

Title V Application

Form CE-01: Pollution Control Equipment Data Sheet

1. Control Equipment Number: CE312
2. Type of Pollution Control Equipment (please describe): Afterburner
3. Description: _____
4. Manufacturer: _____ 5. Model: _____
6. Serial Number: _____ 7. Date of Installation: 12/31/1985
8. Does this equipment exhaust to the atmosphere? Yes No

EMISSIONS DATA

9. Equipment Control Efficiency based on:
- Manufacturers Data
- Stack Test: Date of Test: _____ Reference Test Method: _____
- (If stack test data are used a copy of the Report Summary must be attached. Do not submit the entire stack test report.)
- Other (specify): DNR Guidance

10. Pollutant Controlled	11. % Capture Efficiency	12. % Control Equipment Efficiency	13. % Combined Control Efficiency
Carbon Monoxide	100	99	99
Volatile Organic Compounds	100	95	95
Benzene	100	95	95

Emission Point ID	Emission Point Description
EP201	CUPOLA BAGHOUSE STACK

Title V Application

Form CE-01: Pollution Control Equipment Data Sheet

1. Control Equipment Number: CE313
2. Type of Pollution Control Equipment (please describe): Fabric Filter / Baghouse
3. Description: _____
4. Manufacturer: Flex Kleen 5. Model: 120WMW
6. Serial Number: 240 7. Date of Installation: 09/01/1995
8. Does this equipment exhaust to the atmosphere? Yes No

EMISSIONS DATA

9. Equipment Control Efficiency based on:
- Manufacturers Data
- Stack Test: Date of Test: _____ Reference Test Method: _____
- (If stack test data are used a copy of the Report Summary must be attached. Do not submit the entire stack test report.)
- Other (specify): DNR Guidance

10. Pollutant Controlled	11. % Capture Efficiency	12. % Control Equipment Efficiency	13. % Combined Control Efficiency
Total PM	100	99	99
PM2.5	100	95	95
PM10	100	95	95
Lead	100	80	80
Manganese Compounds	100	99	99
Chromium Compounds	100	99	99
Nickel	100	99	99

Emission Point ID	Emission Point Description
EP240	INDUCTION FURNACES AND DISA M/P/C STACK

Title V Application

Form CE-01: Pollution Control Equipment Data Sheet

1. Control Equipment Number: CE314

2. Type of Pollution Control Equipment (please describe): Other Control Device

3. Description: Cartridge Filter

4. Manufacturer: Flex Kleen 5. Model: CDC

6. Serial Number: 4-7-56 7. Date of Installation: 09/01/1995

8. Does this equipment exhaust to the atmosphere? Yes No

EMISSIONS DATA

9. Equipment Control Efficiency based on:

Manufacturers Data

Stack Test: Date of Test: _____ Reference Test Method: _____

(If stack test data are used a copy of the Report Summary must be attached. Do not submit the entire stack test report.)

Other (specify): DNR Guidance

10. Pollutant Controlled	11. % Capture Efficiency	12. % Control Equipment Efficiency	13. % Combined Control Efficiency
Total PM	100	99	99
PM2.5	100	95	95
PM10	100	95	95
Chromium Compounds	100	99	99
Nickel	100	99	99

Emission Point ID	Emission Point Description
EP114F	GRINDING;CASTINGS

Title V Application

Form CE-01: Pollution Control Equipment Data Sheet

1. Control Equipment Number: CE315

2. Type of Pollution Control Equipment (please describe): Other Control Device

3. Description: Cartridge Filter

4. Manufacturer: Flex Kleen 5. Model: CDC

6. Serial Number: 4-16-128 7. Date of Installation: 09/01/1995

8. Does this equipment exhaust to the atmosphere? Yes No

EMISSIONS DATA

9. Equipment Control Efficiency based on:

Manufacturers Data

Stack Test: Date of Test: _____ Reference Test Method: _____

(If stack test data are used a copy of the Report Summary must be attached. Do not submit the entire stack test report.)

Other (specify): DNR Guidance

10. Pollutant Controlled	11. % Capture Efficiency	12. % Control Equipment Efficiency	13. % Combined Control Efficiency
Total PM	100	99	99
PM2.5	100	95	95
PM10	100	95	95
Chromium Compounds	100	99	99
Nickel	100	99	99

Emission Point ID	Emission Point Description
EP112F	TUMBLERS 3 AND 4, GRINDING

Title V Application

Form CE-01: Pollution Control Equipment Data Sheet

1. Control Equipment Number: CE317
2. Type of Pollution Control Equipment (please describe): Fabric Filter / Baghouse
3. Description: _____
4. Manufacturer: Warsaw 5. Model: _____
6. Serial Number: _____ 7. Date of Installation: 01/01/2004
8. Does this equipment exhaust to the atmosphere? Yes No

EMISSIONS DATA

9. Equipment Control Efficiency based on:
- Manufacturers Data
- Stack Test: Date of Test: _____ Reference Test Method: _____
- (If stack test data are used a copy of the Report Summary must be attached. Do not submit the entire stack test report.)
- Other (specify): DNR Guidance

10. Pollutant Controlled	11. % Capture Efficiency	12. % Control Equipment Efficiency	13. % Combined Control Efficiency
Total PM	100	99	99
PM2.5	100	95	95
PM10	100	95	95
Chromium Compounds	100	99	99
Lead	100	80	80
Manganese Compounds	100	99	99
Nickel	100	99	99
Nickel	100	99	99

Emission Point ID	Emission Point Description
EP240	INDUCTION FURNACES AND DISA M/P/C STACK

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU103

2. Emission Unit Type: Furnace

3. Emission Unit Description: INDUCTION FURNACES (2)

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1995

6. Model Name _____ 7. Date of Installation 06/01/1995

8. Model Number _____ 9. Date of Modification 02/01/2000

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400303	30400303

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
495	Iron

13. Federally Enforceable Operating Limit NESHAP ZZZZZ

14. Permit or Rule Establishing Operating Limit 08-A-222-P1

15. Maximum Design Rate 13.5 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE317	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP240

INDUCTION FURNACES AND DISA M/P/C STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	1.296	LB/TON	Stack Test		17.496	99	0.175	0.7663
PM2.5	0.259	LB/TON	Stack Test		3.4965	95	0.1748	0.7657
PM10	0.259	LB/TON	Stack Test		3.4965	95	0.1748	0.7657
Lead	0.000059	LB/TON	Stack Test		0.0008	80	0.0002	0.0007

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.008668	LB/TON	Stack Test	0.117	99	0.0012	0.0051
Manganese Compounds	0.01685	LB/TON	US EPA	0.2275	99	0.0023	0.01
Nickel	0.014215	LB/TON	Stack Test	0.1919	99	0.0019	0.0084

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU105-BAGHOUSE

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: MOLD POUR AND COOL

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1984

6. Model Name _____ 7. Date of Installation 06/01/1984

8. Model Number _____ 9. Date of Modification 12/01/2000

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400318	30400318

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

495	Iron
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13. Federally Enforceable Operating Limit Green sand binding system w/a sea coal additive

14. Permit or Rule Establishing Operating Limit 95-A-381-S4

15. Maximum Design Rate 14 TON/HR

ASSOCIATED CONTROL EQUIPMENT
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
CE302	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID**ASSOCIATED EMISSION POINT****Emission Point ID****Emission Point Description**

EP203

DISA A/B M/P/C BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	4.25	LB/TON	Stack Test		59.5	99	0.595	2.6061
PM2.5	0.85	LB/TON	Stack Test		11.9	95	0.595	2.6061
PM10	0.85	LB/TON	Stack Test		11.9	95	0.595	2.6061
Sulfur Dioxide	0.01429	LB/TON	Other		0.2001		0.2001	0.8764
Nitrogen Oxides	0.0095	LB/TON	US EPA		0.133		0.133	0.5825
Volatile Organic Compounds	0.4643	LB/TON	Other		6.5		6.5	28.47
Carbon Monoxide	0.279	LB/TON	Other		3.906		3.906	17.1083
Lead	0.000226	LB/TON	Other		0.0032	80	0.0006	0.0028
Ammonia	0.014565	LB/TON	Other		0.2039		0.2039	0.8931

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Acrolein	0.000217	LB/TON	Other	0.003		0.003	0.0131
Benzene	0.15199	LB/TON	Other	2.13		2.13	9.32
Chromium Compounds	0.028394	LB/TON	Stack Test	0.3975	99	0.004	0.0174
Cyanide Compounds	0.038789	LB/TON	Other	0.543		0.543	2.3783
Formaldehyde	0.001868	LB/TON	Other	0.0262		0.0262	0.1148
Manganese Compounds	0.0031	LB/TON	Other	0.0434	99	0.0004	0.0019
Naphthalene	0.000663	LB/TON	Other	0.0093		0.0093	0.0407
Nickel	0.046563	LB/TON	Stack Test	0.6519	99	0.0065	0.0286
Phenol	0.012891	LB/TON	Other	0.1805		0.1805	0.7906
Toluene	0.15199	LB/TON	Other	2.13		2.13	9.32
Xylenes (Mixed Isomers)	0.003547	LB/TON	Other	0.0497		0.0497	0.2177

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU110

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: DISA C SHAKEOUT

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1995

6. Model Name _____ 7. Date of Installation 06/01/1995

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400331	30400331

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit NEHSAP ZZZZZ

14. Permit or Rule Establishing Operating Limit 08-A-222-P1

15. Maximum Design Rate 8.7 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE313	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP240

INDUCTION FURNACES AND DISA M/P/C STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Volatile Organic Compounds	1.2	LB/TON	US EPA		10.44		10.44	45.7272

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Formaldehyde	0.0257	LB/TON	US EPA	0.2236		0.2236	0.9794
Manganese Compounds	0.000672	LB/TON	US EPA	0.0058	99	0.0001	0.0003

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU112

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: TUMBLERS 3 AND 4; CASTINGS

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1995

6. Model Name _____ 7. Date of Installation 06/01/1995

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400341	30400341

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 7.5 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE315	Other Control Device

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP112F

TUMBLERS 3 AND 4, GRINDING

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	9.14	LB/TON	Stack Test		68.55	99	0.69	3.00
PM10	8.23	LB/TON	Stack Test		61.725	95	0.69	3.00
PM2.5	2.74	LB/TON	Stack Test		20.55	95	0.69	3.00

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.061151	LB/TON	Stack Test	0.4586	99	0.0046	0.0201
Nickel	0.100281	LB/TON	Stack Test	0.7521	99	0.0075	0.0329

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU113

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: TUMBLER 2; CASTINGS

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1995

6. Model Name _____ 7. Date of Installation 06/01/1995

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400341	30400341

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 95-A-382-S1

15. Maximum Design Rate 9.0 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE311	Other Control Device

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP111F

TUMBLER 1, TUMBLER 2, GRINDING

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	7.62	LB/TON	Stack Test		68.58	99	0.69	3.00
PM10	6.86	LB/TON	Stack Test		61.74	95	0.69	3.00
PM2.5	2.29	LB/TON	Stack Test		20.61	95	0.69	3.00

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.050959	LB/TON	Stack Test	0.4586	99	0.0046	0.0201
Nickel	0.083567	LB/TON	Stack Test	0.7521	99	0.0075	0.0329

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No.	EU114-111F		
2. Emission Unit Type:	Grinder		
3. Emission Unit Description:	GRINDING; CASTINGS		
4. Name of Manufacturer		5. Date of Construction	06/01/1988
6. Model Name		7. Date of Installation	06/01/1988
8. Model Number		9. Date of Modification	06/01/1994
10. Serial No			

11. SCC No.	
SCC CD	SCC Description
30400340	30400340

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit	_____
14. Permit or Rule Establishing Operating Limit	_____
15. Maximum Design Rate	6.88 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE311	Other Control Device

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP114F

GRINDING;CASTINGS

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	17	LB/TON	US EPA		116.96	99	1.1696	5.1228
PM2.5	1.7	LB/TON	US EPA		11.696	95	0.5848	2.5614
PM10	1.7	LB/TON	US EPA		11.696	95	0.5848	2.5614

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.113702	LB/TON	US EPA	0.7823	99	0.0078	0.0343
Nickel	0.186459	LB/TON	US EPA	1.2828	99	0.0128	0.0562

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU114-114F

2. Emission Unit Type: Grinder

3. Emission Unit Description: GRINDING; CASTINGS

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1988

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400340	30400340

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 6.88 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE314	Other Control Device

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP114F

GRINDING;CASTINGS

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	17	LB/TON	US EPA		116.96	99	1.1696	5.1228
PM2.5	1.7	LB/TON	US EPA		11.696	95	0.5848	2.5614
PM10	1.7	LB/TON	US EPA		11.696	95	0.5848	2.5614

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.113702	LB/TON	US EPA	0.7823	99	0.0078	0.0343
Nickel	0.186459	LB/TON	US EPA	1.2828	99	0.0128	0.0562

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU117AB

2. Emission Unit Type: Other bulk material equipment

3. Emission Unit Description: DISA A/B MULLER

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1992

6. Model Name _____ 7. Date of Installation 10/01/1992

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400722	30400722

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit PM 0.01 gr/dscf, throughput limit 70 tons/hr

14. Permit or Rule Establishing Operating Limit 95-A-380-S2

15. Maximum Design Rate 70 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE307	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID**ASSOCIATED EMISSION POINT****Emission Point ID****Emission Point Description**

EP208

DISA MULLER BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.6123	LB/TON	Stack Test		42.861	99	0.43	1.88
PM10	0.1225	LB/TON	Stack Test		8.575	95	0.43	1.88
PM2.5	0.1225	LB/TON	Stack Test		8.575	95	0.43	1.88

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
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*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU126

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: ISOCURE CORE MAKING

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1989

6. Model Name _____ 7. Date of Installation 06/01/1989

8. Model Number _____ 9. Date of Modification 06/01/1992

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400371	30400371

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

289	Sand
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13. Federally Enforceable Operating Limit Multiple material limits (see construction permits)

14. Permit or Rule Establishing Operating Limit 05-A-564-S2, 565-S2

15. Maximum Design Rate 1.5 TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP238	ISOCURE ROOF EXHAUST
EP239-EXHAUST	ISOCURE ROOF EXHAUST

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.0917	LB/TON	US EPA		0.1376		0.1376	0.6027
PM2.5	0.0229	LB/TON	US EPA		0.0344		0.0344	0.1507
PM10	0.0229	LB/TON	US EPA		0.0344		0.0344	0.1507
Volatile Organic Compounds	4.48	LB/TON	Other		6.72		6.72	29.45

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Cumene	0.0166	LB/TON	Other	0.0249		0.0249	0.1091

Formaldehyde	0.0909	LB/TON	Other	0.1364		0.1364	0.5974
Naphthalene	0.0972	LB/TON	Other	0.1458		0.1458	0.6386
Phenol	0.1058	LB/TON	Other	0.1587		0.1587	0.6951
Xylenes (Mixed Isomers)	0.0387	LB/TON	Other	0.058		0.058	0.254

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU150

2. Emission Unit Type: Other bulk material equipment

3. Emission Unit Description: LIMESTONE STORAGE PILE

4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30805017	30805017

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

175	Limestone
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 0.80 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID	Emission Point Description
EP150F	LIMESTONE STORAGE PILE

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.16578	LB/TON	US EPA		0.1326		0.1326	0.5808
PM10	0.07841	LB/TON	US EPA		0.0627		0.0627	0.2746
PM2.5	0.01187	LB/TON	US EPA		0.0095		0.0095	0.0416

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)**

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU152

2. Emission Unit Type: Reciprocating IC Engine

3. Emission Unit Description: EMERGENCY GENERATOR

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1995

6. Model Name _____ 7. Date of Installation 06/01/1995

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
20200102	20200102

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

44	Diesel
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13. Federally Enforceable Operating Limit NESHAP ZZZZ, 500 hr/yr, Diesel

14. Permit or Rule Establishing Operating Limit 15-A-058

15. Maximum Design Rate 1.36 E6BTU/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP152F	FUGITIVE EMISSIONS (INTERNAL)

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
PM2.5	0.31	LB/E6BT U	US EPA		0.4216		0.4216	0.11
PM10	0.31	LB/E6BT U	US EPA		0.4216		0.4216	0.11
Total PM	0.31	LB/E6BT U	US EPA		0.4216		0.4216	0.11
Sulfur Dioxide	0.29	LB/E6BT U	US EPA		0.3944		0.3944	0.10
Nitrogen Oxides	4.41	LB/E6BT U	US EPA		6.02		6.02	1.50
Volatile Organic Compounds	0.36	LB/E6BT U	US EPA		0.4896		0.4896	0.12
Carbon Monoxide	0.95	LB/E6BT U	US EPA		1.292		1.292	0.32

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.
 *Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
1,3-Butadiene	0.0000391	LB/TON	US EPA	0.000053		0.000053	0.000013
Acetaldehyde	0.000767	LB/TON	US EPA	0.0010		0.0010	0.00026
Acrolein	0.0000925	LB/TON	US EPA	0.00013		0.00013	0.000032
Benzene	0.000933	LB/TON	US EPA	0.0013		0.0013	0.00032
Formaldehyde	0.00118	LB/TON	US EPA	0.0016		0.0016	0.00040
Toluene	0.000409	LB/TON	US EPA	0.00056		0.00056	0.00014
Xylenes (Mixed Isomers)	0.000285	LB/TON	US EPA	0.00039		0.00039	0.000097

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU157-VENT 230

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: METAL TRANSFERS

4. Name of Manufacturer _____ 5. Date of Construction 6/1/1995

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400317	30400317

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

516	Metal
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 04-A-386

15. Maximum Design Rate 13.5 TON/HR

ASSOCIATED CONTROL EQUIPMENT
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type

ASSOCIATED MONITORING EQUIPMENT
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP 231-Vent	Metal Transfers

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
PM2.5	0.0037	LB/TON	Other		0.05		0.05	0.219
PM10	0.0037	LB/TON	Other		0.05		0.05	0.219
Total PM	0.02	LB/TON	Material Balance		0.27		0.27	1.1826
Lead	0.0001	LB/TON	Stack Test		0.0014		0.0014	0.0061

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.000134	LB/TON	Stack Test	0.0018		0.0018	0.0079
Manganese Compounds	0.0026	LB/TON	Stack Test	0.0351		0.0351	0.1537
Nickel	0.000219	LB/TON	Stack Test	0.003		0.003	0.0131

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU157-VENT 231

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: METAL TRANSFERS

4. Name of Manufacturer _____ 5. Date of Construction 6/1/1995

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400317	30400317

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

516	Metal
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 04-A-387

15. Maximum Design Rate 13.5 TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID	Emission Point Description
EP 231-Vent	Metal Transfers

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.02	LB/TON	Stack Test		0.27		0.27	1.1826
PM2.5	0.00889	LB/TON	Other		0.12		0.12	0.5256
PM10	0.00889	LB/TON	Other		0.12		0.12	0.5256
Lead	0.0001	LB/TON	Stack Test		0.0014		0.0014	0.0061

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.000134	LB/TON	Stack Test	0.0018		0.0018	0.0079
Manganese Compounds	0.0026	LB/TON	Stack Test	0.0351		0.0351	0.1537
Nickel	0.000219	LB/TON	Stack Test	0.003		0.003	0.0131

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU157-VENT 232

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: METAL TRANSFERS

4. Name of Manufacturer _____ 5. Date of Construction 6/1/1995

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400317	30400317

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

516	Metal
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 04-A-388

15. Maximum Design Rate 13.5 TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID	Emission Point Description
EP 232-Vent	Metal Transfers

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.02	LB/TON	Stack Test		0.27		0.27	1.1826
PM2.5	0.00393	LB/TON	Other		0.053		0.053	0.23
PM10	0.00393	LB/TON	Other		0.053		0.053	0.23
Lead	0.0001	LB/TON	Stack Test		0.0014		0.0014	0.0061

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.000134	LB/TON	Stack Test	0.0018		0.0018	0.0079
Manganese Compounds	0.0026	LB/TON	Stack Test	0.0351		0.0351	0.1537
Nickel	0.000219	LB/TON	Stack Test	0.003		0.003	0.0131

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU 105-VENT235

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: DISA A AND B MOLD, POUR AND COOL

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1984

6. Model Name _____ 7. Date of Installation 06/01/1984

8. Model Number _____ 9. Date of Modification 06/01/1992

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400318	30400318

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

495	Iron
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 08-A-223-S1

15. Maximum Design Rate 14 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP235-VENT	DISA MOLD, POUR AND COOL

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.2817	LB/TON	CEM		3.9438		3.9438	17.2738
PM2.5	0.0563	LB/TON	Stack Test		0.7882		0.7882	3.4523
PM10	0.0563	LB/TON	Stack Test		0.7882		0.7882	3.4523

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.001884	LB/TON	Stack Test	0.0264		0.0264	0.1156
Nickel	0.00309	LB/TON	Stack Test	0.0433		0.0433	0.1897

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No.	EU102		
2. Emission Unit Type:	Furnace		
3. Emission Unit Description:	CUPOLA; MELT METAL		
4. Name of Manufacturer		5. Date of Construction	06/01/1985
6. Model Name		7. Date of Installation	12/31/1985
8. Model Number		9. Date of Modification	06/01/2001
10. Serial No			

11. SCC No.	
SCC CD	SCC Description
30400301	30400301

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
495	Iron

13. Federally Enforceable Operating Limit	91,800 tons charged metal/12-mo rolling, NESHAP ZZZZZ
14. Permit or Rule Establishing Operating Limit	92-A-474-S10
15. Maximum Design Rate	20 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE301	Fabric Filter / Baghouse
CE312	Afterburner

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP201

CUPOLA BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	2.121	LB/TON	Stack Test		42.42	99	0.4242	0.97
PM2.5	0.424	LB/TON	Stack Test		8.48	95	0.424	0.97
PM10	0.424	LB/TON	Stack Test		8.48	95	0.424	0.97
Sulfur Dioxide	0.0084	LB/TON	Stack Test		0.168		0.168	0.39
Nitrogen Oxides	0.096	LB/TON	Stack Test		1.92		1.92	4.41
Volatile Organic Compounds	0.18	LB/TON	US EPA		3.6	95	0.18	0.41
Carbon Monoxide	45.516	LB/TON	Stack Test		910.32	99	9.1032	20.89
Lead	0.00096	LB/TON	Stack Test		0.0192	80	0.0038	0.009

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)**

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Arsenic Compounds	0.00003248	LB/TON	US EPA	0.0006	99	0.0006	0.000015
Benzene	0.00986	LB/TON	US EPA	0.1972	95	0.0099	0.023
Cadmium Compounds	0.0009513	LB/TON	US EPA	0.019	99	0.0002	0.00044
Chromium Compounds	0.0008585	LB/TON	US EPA	0.0172	99	0.0002	0.00039
Hydrochloric Acid	0.001627	LB/TON	US EPA	0.0325		0.0325	0.075
Manganese Compounds	0.0997	LB/TON	US EPA	1.994	99	0.0199	0.046
Mercury Compounds	0.000348	LB/TON	US EPA	0.007	99	0.0001	0.00016
Nickel	0.02326	LB/TON	Stack Test	0.4652	99	0.0047	0.011

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU109

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: DISA A AND B SHAKEOUT

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1984

6. Model Name _____ 7. Date of Installation 06/01/1984

8. Model Number _____ 9. Date of Modification 07/02/2007

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400331	30400331

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
IA81	OTHER

13. Federally Enforceable Operating Limit Green sand binding system w/a sea coal additive

14. Permit or Rule Establishing Operating Limit 95-A-381-S4

15. Maximum Design Rate 14 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE302	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP203

DISA A/B M/P/C BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	3.20	LB/TON	US EPA		44.8	99	0.45	1.96
PM10	2.24	LB/TON	Other		31.36	95	0.45	1.96
PM2.5	1.34	LB/TON	Other		18.76	95	0.45	1.96

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Formaldehyde	0.0257	LB/TON	US EPA	0.3598		0.3598	1.5759
Manganese Compounds	0.0001	LB/TON	Other	0.0014	99	0	0.0001

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU111

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: TUMBLER 1; CASTINGS

4. Name of Manufacturer _____ 5. Date of Construction 09/01/1992

6. Model Name _____ 7. Date of Installation 09/01/1992

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400341	30400341

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 9 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE311	Other Control Device

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP111F

TUMBLER 1, TUMBLER 2, GRINDING

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	7.62	LB/TON	Stack Test		68.58	99	0.69	3.00
PM10	6.86	LB/TON	Stack Test		61.74	95	0.69	3.00
PM2.5	2.29	LB/TON	Stack Test		20.61	95	0.69	3.00

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.050959	LB/TON	Stack Test	0.4586	99	0.0046	0.0201
Nickel	0.083567	LB/TON	Stack Test	0.7521	99	0.0075	0.0329

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU114-112F

2. Emission Unit Type: Grinder

3. Emission Unit Description: GRINDING; CASTINGS

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1988

6. Model Name _____ 7. Date of Installation 06/01/1988

8. Model Number _____ 9. Date of Modification 06/01/1994

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400340	30400340

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 6.88 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE315	Other Control Device

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP114F

GRINDING;CASTINGS

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	17	LB/TON	US EPA		116.96	99	1.1696	5.1228
PM2.5	1.7	LB/TON	US EPA		11.696	95	0.5848	2.5614
PM10	1.7	LB/TON	US EPA		11.696	95	0.5848	2.5614

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.113702	LB/TON	US EPA	0.7823	99	0.0078	0.0343
Nickel	0.186459	LB/TON	US EPA	1.2828	99	0.0128	0.0562

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU129

2. Emission Unit Type: Conveyor

3. Emission Unit Description: MANUAL RETURN SAND

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1972

6. Model Name _____ 7. Date of Installation 06/01/1972

8. Model Number _____ 9. Date of Modification 06/01/1988

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400357	30400357

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

IA81	OTHER
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 88-A-014-S3

15. Maximum Design Rate 98 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
CE304	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP205

RETURN SAND BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	1.58	LB/TON	Stack Test		154.84	99	1.5484	6.782

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
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*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU146

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: TUMBLERS 5 AND 6

4. Name of Manufacturer _____ 5. Date of Construction 02/28/1975

6. Model Name _____ 7. Date of Installation 02/28/1975

8. Model Number _____ 9. Date of Modification 02/15/1976

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400341	30400341

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 18-A-220

15. Maximum Design Rate 18 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE310	Other Control Device

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP-161

Tumber 5 & and Coolers

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0	LB/TON	Other		0		0	0

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.050959	LB/TON	Other	0.9173	99	0.0092	0.0402
Nickel	0.083567	LB/TON	Other	1.5042	99	0.015	0.0659

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU153

2. Emission Unit Type: Other bulk material equipment

3. Emission Unit Description: MANUAL DUMP STATION

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1972

6. Model Name _____ 7. Date of Installation 06/01/1972

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400357	30400357

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit PM 0.01 gr/dscf, throughput limit 70 tons/hr

14. Permit or Rule Establishing Operating Limit 95-A-380-S2

15. Maximum Design Rate 70 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE307	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP208

DISA MULLER BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.6123	LB/TON	Stack Test		42.861	99	0.43	1.88
PM2.5	0.1225	LB/TON	Stack Test		8.575	95	0.43	1.88
PM10	0.1225	LB/TON	Stack Test		8.575	95	0.43	1.88

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
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*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU157-VENT 234
2. Emission Unit Type: Transfer Point
3. Emission Unit Description: METAL TRANSFERS
4. Name of Manufacturer _____ 5. Date of Construction 6/1/1995
6. Model Name _____ 7. Date of Installation _____
8. Model Number _____ 9. Date of Modification _____
10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400317	30400317

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

516	Metal
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13. Federally Enforceable Operating Limit _____
14. Permit or Rule Establishing Operating Limit 04-A-390
15. Maximum Design Rate 13.5 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP 234-Vent	Metal Transfers

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.02	LB/TON	Stack Test		0.27		0.27	1.1826
PM2.5	0.00378	LB/TON	Other		0.051		0.051	0.2234
PM10	0.00378	LB/TON	Other		0.051		0.051	0.2234
Lead	0.0001	LB/TON	Stack Test		0.0014		0.0014	0.0061

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.000134	LB/TON	Stack Test	0.0018		0.0018	0.0079
Manganese Compounds	0.0026	LB/TON	Stack Test	0.0351		0.0351	0.1537
Nickel	0.000219	LB/TON	Stack Test	0.003		0.003	0.0131

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU 105-VENT236

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: DISA A AND B MOLD, POUR AND COOL

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1984

6. Model Name _____ 7. Date of Installation 06/01/1984

8. Model Number _____ 9. Date of Modification 06/01/1992

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400318	30400318

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
495	Iron

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 08-A-224-S1

15. Maximum Design Rate 14 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type

ASSOCIATED MONITORING EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP236-VENT	DISA MOLD, POUR AND COOL

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.2817	LB/TON	Stack Test		3.9438		3.9438	17.2738
PM2.5	0.0563	LB/TON	Stack Test		0.7882		0.7882	3.4523
PM10	0.0563	LB/TON	Stack Test		0.7882		0.7882	3.4523

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.001884	LB/TON	Stack Test	0.0264		0.0264	0.1156
Nickel	0.00309	LB/TON	Stack Test	0.0433		0.0433	0.1897

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU 106-VENT235

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: DISA C MOLD, POUR AND COOL

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1995

6. Model Name _____ 7. Date of Installation 06/01/1995

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400318	30400318

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

495	Iron
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 08-A-223-S1

15. Maximum Design Rate 8.7 TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP235-VENT	DISA MOLD, POUR AND COOL

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.0824	LB/TON	Stack Test		0.7169		0.7169	3.14
PM2.5	0.0165	LB/TON	Stack Test		0.1435		0.1435	0.6285
PM10	0.0165	LB/TON	Stack Test		0.1435		0.1435	0.6285

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.0005511	LB/TON	Stack Test	0.0048		0.0048	0.021
Nickel	0.0009038	LB/TON	Stack Test	0.0079		0.0079	0.0346

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU 106-VENT236

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: DISA C MOLD, POUR AND COOL

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1995

6. Model Name _____ 7. Date of Installation 06/01/1995

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400318	30400318

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
495	Iron

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 08-A-224-S1

15. Maximum Design Rate 8.7 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type

ASSOCIATED MONITORING EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP236-VENT	DISA MOLD, POUR AND COOL

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.0824	LB/TON	Stack Test		0.7169		0.7169	3.14
PM2.5	0.0165	LB/TON	Stack Test		0.1435		0.1435	0.6285
PM10	0.0165	LB/TON	Stack Test		0.1435		0.1435	0.6285

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.000551	LB/TON	Stack Test	0.0048		0.0048	0.021
Nickel	0.000904	LB/TON	Stack Test	0.0079		0.0079	0.0346

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU101

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: SCRAP HANDLING; IRON

4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400315	30400315

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

495	Iron
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 20 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP101F	SCRAP HANDLING

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.6	LB/TON	US EPA		12		12	52.56
PM2.5	0.36	LB/TON	US EPA		7.2		7.2	31.536
PM10	0.36	LB/TON	US EPA		7.2		7.2	31.536

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.004013	LB/TON	US EPA	0.0803		0.0803	0.3517
Nickel	0.006581	LB/TON	US EPA	0.1316		0.1316	0.5764

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU106-Baghouse

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: BAGHOUSE STACK- INDUCTION FURNACE ANDDISA C MOLD, POUR AND COOL

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1995

6. Model Name _____ 7. Date of Installation 06/01/1995

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400318	30400318

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
495	Iron

13. Federally Enforceable Operating Limit NESHAP ZZZZZ

14. Permit or Rule Establishing Operating Limit 08-A-222-P1

15. Maximum Design Rate 8.7 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE313	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID**ASSOCIATED EMISSION POINT****Emission Point ID****Emission Point Description**

EP240

INDUCTION FURNACES AND DISA M/P/C STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	315.27	LB/TON	Other		2742.849	99	27.43	120.14
PM2.5	12.64	LB/TON	Other		109.968	95	5.5	24.09
PM10	12.64	LB/TON	Other		109.968	95	5.5	24.09
Sulfur Dioxide	0.019	LB/TON	US EPA		0.1653		0.1653	0.724
Nitrogen Oxides	0.01	LB/TON	US EPA		0.087		0.087	0.3811
Volatile Organic Compounds	0.346	LB/TON	Other		3.0102		3.0102	13.1847
Carbon Monoxide	0.279	LB/TON	Other		2.4273		2.4273	10.6316
Ammonia	0.0146	LB/TON	Other		0.127		0.127	0.5563

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Acrolein	0.00022	LB/TON	Other	0.0019		0.0019	0.0083
Chromium Compounds	2.1086	LB/TON	Stack Test	18.3448	99	0.1834	0.8035
Cyanide Compounds	0.038789	LB/TON	Other	0.3375		0.3375	1.4782
Formaldehyde	0.001868	LB/TON	Other	0.0163		0.0163	0.0714
Manganese Compounds	0.0031	LB/TON	Other	0.027	99	0.0003	0.0012
Naphthalene	0.000663	LB/TON	Other	0.0058		0.0058	0.0254
Nickel	3.4580	LB/TON	Stack Test	30.0846	99	0.3008	1.3177
Phenol	0.0129	LB/TON	Other	0.1122		0.1122	0.4914
Xylenes (Mixed Isomers)	0.003547	LB/TON	Other	0.0309		0.0309	0.1353

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU107

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: MANUAL SHAKEOUT

4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification 06/01/1992

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400331	30400331

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

691	Castings
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 88-A-014-S3

15. Maximum Design Rate 10.92 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
CE304	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP205

RETURN SAND BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	1.22	LB/TON	Stack Test		13.3224	99	0.1332	0.5835
Volatile Organic Compounds	0.075	LB/TON	US EPA		0.819		0.819	3.5872

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Formaldehyde	0.0257	LB/TON	US EPA	0.2806		0.2806	1.229
Manganese Compounds	0.000256	LB/TON	US EPA	0.0028	99	0	0.0001

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU108

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: 20X26 SHAKEOUT

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1995

6. Model Name _____ 7. Date of Installation 06/01/1995

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400331	30400331

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit Green sand binding system w/a sea coal additive

14. Permit or Rule Establishing Operating Limit 95-A-381-S4

15. Maximum Design Rate 4 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE302	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP203

DISA A/B M/P/C BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	8.48	LB/TON	Stack Test		33.92	99	0.3392	1.49
PM2.5	1.70	LB/TON	Stack Test		6.8	95	0.34	1.49
PM10	1.70	LB/TON	Stack Test		6.8	95	0.34	1.49

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Formaldehyde	0.0257	LB/TON	US EPA	0.1028		0.1028	0.4503
Manganese Compounds	0.0001	LB/TON	Other	0.0004	99	0	0

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU122

2. Emission Unit Type: Silo

3. Emission Unit Description: RESIN SAND STORAGE

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1991

6. Model Name _____ 7. Date of Installation 08/31/1991

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400356	30400356

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
281	Resin
289	Sand

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 60 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP122F

RESIN SAND STORAGE

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.1	gr/dscf	Other		0.86		0.86	3.75
PM10	0.070	gr/dscf	Other		0.60		0.6	2.63
PM2.5	0.030	gr/dscf	Other		0.26		0.26	1.13

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU124

2. Emission Unit Type: Other process equipment

3. Emission Unit Description: SHELL CORE MAKING

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1950

6. Model Name _____ 7. Date of Installation 06/01/1950

8. Model Number _____ 9. Date of Modification 06/01/1990

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400370	30400370

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

289	Sand
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 0.738 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP124F	SHELL CORE MAKING

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	3.60	LB/TON	US EPA		2.6568		2.6568	11.6368
PM2.5	0.54	LB/TON	US EPA		0.3985		0.3985	1.7454
PM10	0.54	LB/TON	US EPA		0.3985		0.3985	1.7454
Volatile Organic Compounds	2.16	LB/TON	US EPA		1.5941		1.5941	6.9822
Ammonia	0.1483	LB/TON	Engineering Judgment		0.1094		0.1094	0.4792

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU130

2. Emission Unit Type: Conveyor

3. Emission Unit Description: DISA RETURN SAND

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1984

6. Model Name _____ 7. Date of Installation 06/01/1984

8. Model Number _____ 9. Date of Modification 06/01/1992

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400357	30400357

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

289	Sand
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13. Federally Enforceable Operating Limit NESHAP ZZZZZ

14. Permit or Rule Establishing Operating Limit 08-A-222-P1

15. Maximum Design Rate 185 TON/HR

ASSOCIATED CONTROL EQUIPMENT
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
CE313	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP240

INDUCTION FURNACES AND DISA M/P/C STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0	LB/TON	Other		0	99	0	0
PM2.5	0	LB/TON	Other		0	95	0	0
PM10	0	LB/TON	Other		0	95	0	0

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU147

2. Emission Unit Type: Open Air Fugitive Source

3. Emission Unit Description: HAUL ROAD

4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30500290	30500290

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
IA98	RAW MATERIAL AND PRODUCT

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 2.2 _____ VMT/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE314	Other Control Device

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP147F

HAUL ROAD ACTIVITY

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	4.78	LB/VMT	US EPA		10.516	75	2.629	11.515
PM2.5	1.274	LB/VMT	US EPA		2.8028	75	0.7007	3.0691
PM10	1.274	LB/VMT	US EPA		2.8028	75	0.7007	3.0691

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU154

2. Emission Unit Type: Silo

3. Emission Unit Description: MANUAL MULLER BIN

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1972

6. Model Name _____ 7. Date of Installation 06/01/1972

8. Model Number _____ 9. Date of Modification 06/01/2002

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400356	30400356

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 88-A-014-S3

15. Maximum Design Rate 140 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE304	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP205

RETURN SAND BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	3.60	LB/TON	US EPA		504	99	5.04	22.0752
PM2.5	0.3929	LB/TON	Other		55.006	95	2.75	12.045
PM10	0.3929	LB/TON	Other		55.006	95	2.75	12.045

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No.	EU156				
2. Emission Unit Type:	Silo				
3. Emission Unit Description:	DISA C MULLER BINS				
4. Name of Manufacturer		5. Date of Construction	06/01/1995		
6. Model Name		7. Date of Installation	06/01/1995		
8. Model Number		9. Date of Modification	06/01/2002		
10. Serial No					

11. SCC No.	
SCC CD	SCC Description
30400350	Industrial Processes-Secondary Metal Production-Grey Iron Foundries-Sand Grinding/Handling

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit	NESHAP ZZZZZ				
14. Permit or Rule Establishing Operating Limit	08-A-222-P1				
15. Maximum Design Rate	140	TON/HR			

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE313	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP240

INDUCTION FURNACES AND DISA M/P/C STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0	LB/TON	Other		0	99	0	0
PM2.5	0	LB/TON	Other		0	95	0	0
PM10	0	LB/TON	Other		0	95	0	0

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU157-VENT 233

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: METAL TRANSFERS

4. Name of Manufacturer _____ 5. Date of Construction 6/1/1995

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400317	30400317

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
516	Metal

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 04-A-389

15. Maximum Design Rate 13.5 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type

ASSOCIATED MONITORING EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP 233-Vent	Metal Transfers

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.02	LB/TON	Stack Test		0.27		0.27	1.1826
PM2.5	0.0037	LB/TON	Other		0.05		0.05	0.219
PM10	0.0037	LB/TON	Other		0.05		0.05	0.219
Lead	0.0001	LB/TON	Stack Test		0.0014		0.0014	0.0061

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.000134	LB/TON	Stack Test	0.0018		0.0018	0.0079
Manganese Compounds	0.0026	LB/TON	Stack Test	0.0351		0.0351	0.1537
Nickel	0.000219	LB/TON	Stack Test	0.003		0.003	0.0131

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU159

2. Emission Unit Type: Open Storage Pile

3. Emission Unit Description: TEMPORARY SAND STORAGE PILE

4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30510309	30510309

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 5.66 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE307	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP160F

PERMANENT SAND STORAGE PILE

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.001	LB/TON	US EPA		0.0057		0.0057	0.025
PM10	0.0005	LB/TON	US EPA		0.0028		0.0028	0.0123
PM2.5	0.00008	LB/TON	US EPA		0.0004		0.0004	0.0019

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU161 A-D

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: Autoline cooler and Disa A-C coolers

4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400325	30400325

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
691	Castings

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 18 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE310	Other Control Device

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP-161

Tumber 5 & and Coolers

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	1.556	LB/TON	Other		28.008	99	0.2801	1.2268
PM2.5	0.311	LB/TON	Other		5.598	95	0.2799	1.226
PM10	0.311	LB/TON	Other		5.598	95	0.2799	1.226

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.00194	LB/TON	US EPA	0.0349	99	0.0003	0.0015
Nickel	0.003181	LB/TON	US EPA	0.0573	99	0.0006	0.0025

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU104

2. Emission Unit Type: Transfer Point

3. Emission Unit Description: MANUAL POUR AND COOL

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1950

6. Model Name _____ 7. Date of Installation 06/01/1950

8. Model Number _____ 9. Date of Modification 11/15/1983

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400318	30400318

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
IA61	HOT IRON METAL

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 10.92 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE304	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID**ASSOCIATED EMISSION POINT****Emission Point ID****Emission Point Description**

EP104F

MANUAL POUR AND COOL

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.38	LB/TON	Other		4.1496		4.1496	18.1752
PM2.5	0.38	LB/TON	Other		4.1496		4.1496	18.1752
PM10	0.38	LB/TON	Other		4.1496		4.1496	18.1752
Sulfur Dioxide	0.02	LB/TON	US EPA		0.2184		0.2184	0.9566
Nitrogen Oxides	0.0095	LB/TON	US EPA		0.1037		0.1037	0.4542
Volatile Organic Compounds	0.346	LB/TON	Other		3.7783		3.7783	16.549
Carbon Monoxide	0.279	LB/TON	Other		3.0467		3.0467	13.3445
Lead	0.000474	LB/TON	US EPA		0.0052		0.0052	0.0228
Ammonia	0.0146	LB/TON	Other		0.1594		0.1594	0.6982

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Acrolein	0.00022	LB/TON	Other	0.0024		0.0024	0.0105
Chromium Compounds	0.002542	LB/TON	Stack Test	0.0278		0.0278	0.1218
Cyanide Compounds	0.038789	LB/TON	Other	0.4236		0.4236	1.8554
Formaldehyde	0.001868	LB/TON	US EPA	0.0204		0.0204	0.0894
Manganese Compounds	0.0031	LB/TON	US EPA	0.0339		0.0339	0.1485
Naphthalene	0.000663	LB/TON	Other	0.0072		0.0072	0.0315
Nickel	0.004168	LB/TON	Stack Test	0.0455		0.0455	0.1993
Phenol	0.012891	LB/TON	Other	0.1408		0.1408	0.6167
Xylenes (Mixed Isomers)	0.003547	LB/TON	Other	0.0387		0.0387	0.1695

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU117C

2. Emission Unit Type: Other bulk material equipment

3. Emission Unit Description: DISA C MULLER

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1992

6. Model Name _____ 7. Date of Installation 10/01/1992

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400722	30400722

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit NESHAP ZZZZZ

14. Permit or Rule Establishing Operating Limit 08-A-222-P1

15. Maximum Design Rate 100 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE313	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID**ASSOCIATED EMISSION POINT****Emission Point ID****Emission Point Description**

EP240

INDUCTION FURNACES AND DISA M/P/C STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0	LB/TON	Other		0	99	0	0
PM2.5	0	LB/TON	Other		0	95	0	0
PM10	0	LB/TON	Other		0	95	0	0

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
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*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU118

2. Emission Unit Type: Other bulk material equipment

3. Emission Unit Description: MANUAL MULLER

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1972

6. Model Name _____ 7. Date of Installation 06/01/1972

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400722	30400722

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit 88-A-014-S3

15. Maximum Design Rate 98 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE304	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP205

RETURN SAND BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.10	LB/TON	Stack Test		9.8	99	0.098	0.4292

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
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*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU119

2. Emission Unit Type: Grinder

3. Emission Unit Description: PREPARED SAND TRANSFER

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1950

6. Model Name _____ 7. Date of Installation 06/01/1950

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400350	30400350

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 100 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type

ASSOCIATED MONITORING EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID	Emission Point Description
EP119F	PREPARED SAND TRANSFER

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
PM10	0.108	LB/TON	US EPA		10.8		10.8	47.304
Total PM	0.108	LB/TON	US EPA		10.8		10.8	47.304
PM2.5	0.0324	LB/TON	US EPA		3.24		3.24	14.1912

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture’s Specification - Site Specific - Engineering Judgment -Other (Specify)**

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
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***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture’s Specification - Site Specific - Engineering Judgment - Other (Specify)**

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID	Emission Point Description
EP120F	MANUAL MOLD

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
PM2.5	0.00625	LB/TON	US EPA		0.2731	0	0.2731	1.1962
PM10	0.00625	LB/TON	US EPA		0.2731	0	0.2731	1.1962
Total PM	0.00625	LB/TON	US EPA		0.2731	0	0.2731	1.1962

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture’s Specification - Site Specific - Engineering Judgment -Other (Specify)**

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
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***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture’s Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU121

2. Emission Unit Type: Unclassified

3. Emission Unit Description: 20 X 26 AUTOMOLD

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1989

6. Model Name _____ 7. Date of Installation 09/30/1989

8. Model Number _____ 9. Date of Modification 06/01/2004

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400399	30400399

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 38.0 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE302	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP203

DISA A/B M/P/C BAGHOUSE STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.00625	LB/TON	US EPA		0.2375	99	0.002	0.010
PM2.5	0.00625	LB/TON	US EPA		0.2375	95	0.002	0.010
PM10	0.00625	LB/TON	US EPA		0.2375	95	0.002	0.010

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU123

2. Emission Unit Type: Silo

3. Emission Unit Description: CORE SAND STORAGE SILO

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1988

6. Model Name _____ 7. Date of Installation 06/01/1988

8. Model Number _____ 9. Date of Modification 04/01/2003

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400356	30400356

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
736	Cores

13. Federally Enforceable Operating Limit PM 0.05 gr/dsc

14. Permit or Rule Establishing Operating Limit 86-A-043-S2

15. Maximum Design Rate 60 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE309	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID**ASSOCIATED EMISSION POINT****Emission Point ID****Emission Point Description**

EP211

CORE SAND TANK VENT

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.05	gr/dscf	Other		34.29	99	0.34	1.50
PM2.5	0.05	gr/dscf	Other		6.86	95	0.34	1.50
PM10	0.05	gr/dscf	Other		6.86	95	0.34	1.50

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
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*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU148
2. Emission Unit Type: Transfer Point
3. Emission Unit Description: CHARGING CHUTE
4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900
6. Model Name _____ 7. Date of Installation _____
8. Model Number _____ 9. Date of Modification _____
10. Serial No _____

11. SCC No.

SCC CD	SCC Description
30400315	30400315

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

495	Iron
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 20 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type
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ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT	
Emission Point ID	Emission Point Description
EP148F	CHARGING CHUTE; SCRAP

POTENTIAL EMISSIONS								
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.60	LB/TON	US EPA		12		12	52.56
PM2.5	0.360	LB/TON	US EPA		7.2		7.2	31.536
PM10	0.360	LB/TON	US EPA		7.2		7.2	31.536

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants							
Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Chromium Compounds	0.004013	LB/TON	US EPA	0.0803		0.0803	0.3517
Nickel	0.006581	LB/TON	US EPA	0.1316		0.1316	0.5764

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU149

2. Emission Unit Type: Unclassified

3. Emission Unit Description: COKE STORAGE PILE

4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.

SCC CD	SCC Description
39000899	39000899

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant

724	Coke
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13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 2.34 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Control Equipment ID	Equipment Type

ASSOCIATED MONITORING EQUIPMENT
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID	Emission Point Description
EP149F	COKE STORAGE PILE

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.001	LB/TON	US EPA		0.0023		0.0023	0.0101
PM10	0.0005	LB/TON	US EPA		0.0012		0.0012	0.0053
PM2.5	0.00007	LB/TON	US EPA		0.00016		0.00016	0.0007

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)**

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU155

2. Emission Unit Type: Silo

3. Emission Unit Description: DISA A/B MULLER BINS

4. Name of Manufacturer _____ 5. Date of Construction 06/01/1992

6. Model Name _____ 7. Date of Installation 06/01/1992

8. Model Number _____ 9. Date of Modification 06/01/2002

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30400350	Industrial Processes-Secondary Metal Production-Grey Iron Foundries-Sand Grinding/Handling

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit NESHAP ZZZZZ

14. Permit or Rule Establishing Operating Limit 08-A-222-P1

15. Maximum Design Rate 140 TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type
CE313	Fabric Filter / Baghouse

ASSOCIATED MONITORING EQUIPMENT

(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID

Emission Point Description

EP240

INDUCTION FURNACES AND DISA M/P/C STACK

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0	LB/TON	Other		0	99	0	0
PM2.5	0	LB/TON	Other		0	95	0	0
PM10	0	LB/TON	Other		0	95	0	0

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

*Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU158

2. Emission Unit Type: Open Air Fugitive Source

3. Emission Unit Description: YARD TRAFFIC

4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30500290	30500290

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
IA98	RAW MATERIAL AND PRODUCT

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 1.1 _____ VMT/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type

ASSOCIATED MONITORING EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID	Emission Point Description
EP158F	YARD TRAFFIC

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	4.78	LB/VMT	US EPA		5.258	75	1.3145	5.7575
PM10	1.27	LB/VMT	US EPA		1.397	75	0.3493	1.5297
PM2.5	0.127	LB/VMT	US EPA		0.1397	75	0.0349	0.153

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture’s Specification - Site Specific - Engineering Judgment -Other (Specify)**

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
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***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture’s Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 3.0: Emission Unit

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit No. EU160

2. Emission Unit Type: Open Storage Pile

3. Emission Unit Description: PERMANENT SAND STORAGE PILE

4. Name of Manufacturer _____ 5. Date of Construction 01/01/1900

6. Model Name _____ 7. Date of Installation _____

8. Model Number _____ 9. Date of Modification _____

10. Serial No _____

11. SCC No.	
SCC CD	SCC Description
30510309	30510309

12. Raw Material -OR- Fuel Used - List worst-case for each pollutant	
289	Sand

13. Federally Enforceable Operating Limit _____

14. Permit or Rule Establishing Operating Limit _____

15. Maximum Design Rate 5.66 _____ TON/HR

ASSOCIATED CONTROL EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	
Control Equipment ID	Equipment Type

ASSOCIATED MONITORING EQUIPMENT	
(A Form CE-01 and ME-01 shall be submitted for each piece of corresponding equipment)	

Monitoring Equipment ID

ASSOCIATED EMISSION POINT

Emission Point ID	Emission Point Description
EP160F	PERMANENT SAND STORAGE PILE

POTENTIAL EMISSIONS

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Ash or Sulfur %	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)
Total PM	0.001	LB/TON	US EPA		0.0057		0.0057	0.025
PM10	0.0005	LB/TON	US EPA		0.0028		0.0028	0.0123
PM2.5	0.000076	LB/TON	US EPA		0.0004		0.0004	0.0018

Report Hazardous Air Pollutants and additional regulated air pollutants on page 2 of this form.

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State or Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment -Other (Specify)**

POTENTIAL EMISSIONS – HAPs and Additional Regulated Air Pollutants

Air Pollutant	Emission Factor	Emission Factor Units	*Source of EF	Potential Hourly Uncontrolled Emissions (Lbs/Hr)	Combined Control Efficiency %	Potential Hourly Controlled Emissions (Lbs/Hr)	Potential Annual Controlled Emissions (Tons/Yr)

***Sources of Emission Factors: CEM - Stack Test - Material Balance - US EPA (WebFIRE, AP-42, TANKS, ect.) - State of Local Speciation Profile - Trade Group - Vendors - Manufacture's Specification - Site Specific - Engineering Judgment - Other (Specify)**

Title V Application

Form 1.3: Insignificant Activities - Potential Emissions (567 IAC 24.103)

APPLICATION FOR DESIGNATION AS LISTED INSIGNIFICANT ACTIVITY1															
List the Potential Emissions (Pounds/Year) for each Emission Unit to be considered as an Insignificant Activity															
(see exempted units and limitations 567 IAC 24.103)															
Emission Unit No.	Emission Unit Description	CO	NOx	SO2	Total PM	PM10	PM2.5	VOC	Lead	High Risk Toxics	Toxics - not high risk	Fluorides	Reduced Sulfur Compounds	Sulfur Acid Mists	Hydrogen Sulfide
EU 140	Waste Oil Tank (1,500 gallons capacity)	0	0					0.0196							
EU 141	No. 2 Distillate Tank (250 gallons capacity)							0.36							
EU 142	No. 2 Distillate Tank (250 gallons capacity)							0.36							
EU 143	No. 2 Distillate Tank (300 gallons capacity)							0.437							
EU 145A	Air Make Up Unit	3751.34	245.62	26.80	339.40	339.40	339.40	4465.88							
EU 145B	Air Make Up Unit	3751.34	245.62	26.80	339.40	339.40	339.40	4465.88							
EU 145C	Air Make Up Unit	3751.34	245.62	26.80	339.40	339.40	339.40	4465.88							
EU 145D	Air Make Up Unit	3751.34	245.62	26.80	339.40	339.40	339.40	4465.88							
EU 145E	Air Make Up Unit	3751.34	245.62	26.80	339.40	339.40	339.40	4465.88							
EU 145F	Air Make Up Unit	3751.34	245.62	26.80	339.40	339.40	339.40	4465.88							
Facility Totals (Pounds/Year)		22508.04	1473.72	160.8	2036.4	2036.4	2036.4	26796.4566	0	0	0	0	0	0	0
Facility Totals (Tons/Year)		11.25402	0.73686	0.0804	1.0182	1.0182	1.0182	13.3982283	0	0	0	0	0	0	0

Title V Application

Form 1.4: Potential Emissions Toxic - Significant Activities

HAZARDOUS AIR POLLUTANT (TOXICS) and ADDITIONAL REGULATED POLLUTANT POTENTIAL EMISSIONS			
Summary by pollutant name of total facility emissions of each Hazardous and additional Regulated Air Pollutant			
Pollutant Name	CAS No.	Potential Emissions (Tons/Year)	Potential Emissions (System Calculated) (tons/yr)
Acetaldehyde	75070		0.00
Acrolein	107028		0.03
Arsenic Compounds	7440382		0.00
Benzene	71432		9.34
1,3-Butadiene	106990		0.00
Cadmium Compounds	7440439		0.00
Chromium Compounds	7440473		2.17
Cumene	98828		0.11
Cyanide Compounds	57125		5.71
Formaldehyde	50000		5.11
Hydrochloric Acid	7647010		0.08
Manganese Compounds	7439965		0.98
Mercury Compounds	7439976		0.00
Naphthalene	91203		0.74
Nickel	7440020		3.57
Phenol	108952		2.59
Toluene	108883		9.32
Xylenes (Mixed Isomers)	1330207		0.78
Total:			40.53

**Facility Totals – Potential Emissions (Toxics Only) in
Tons/Year:**

24.83

Title V Application

Form 1.5: Potential Emissions - Significant Activities

SUMMARY OF CRITERIA AND OTHER POLLUTANT POTENTIAL EMISSIONS (Tons/Year)		
Pollutant	Potential Emissions (Tons/Year)	Potential Emissions (tons/yr) System Calculated
PM2.5		179.7244
PM10		215.9724
Total PM		441.2164
Sulfur Dioxide		3.0470
Volatile Organic Compounds		144.4803
Nitrogen Oxides		7.3278
Carbon Monoxide		62.2944
Lead		0.0658
Ozone		0
Ammonia		2.6268

Indicate which conditions* listed below subject this facility to obtaining an Operating Permit: (check all that apply)

- Source is subject to the provisions of Title IV of the Act (generally electricity producers - see 567 IAC 24.120-148).
- Source is a major source (567 IAC 24.100) (mark all that apply):
 - Potential to emit 100 tpy or more of any air pollutant (Form 1.5, Item 3, except Total PM, and NH3)
 - Potential to emit, in the aggregate, 10 tpy or more of any hazardous air pollutant or 25 tpy or more of any combination of hazardous air pollutants (Form 1.4, items 5 & 7)
 - For nonattainment areas as specified in 567 IAC 24.100
- Other and Specify:

*See 567 IAC 24.101 "Applicability of Title V operating permit requirements" for additional information on requirements to apply.

Title V Application

General Facility Requirements

1. National Emission Standards for Hazardous Air Pollutants (NESHAP) - Source Categories & Accidental Release

- a. Please read through **Appendix A: Hazardous Air Pollutants** which lists 187 HAP - sorted alphabetically and by CAS number, and check one of the following:
- NO, facility does not emit into the atmosphere or process, use, or generate materials that contain any pollutants listed in Appendix A and is not subject to these requirements for NESHAP. Go to question 1d.
 - YES, facility does emit into the atmosphere or process, use, or generate materials that contain one or more of the air pollutants listed in Appendix A.
- b. After reviewing the Form 1.4, does this source have the potential to emit into the atmosphere 10 tons per year or more of any single pollutant listed in Appendix A?
- NO, facility does not have the potential to emit 10 tons per year or more of any single pollutant listed in Appendix A.
 - YES, facility does have the potential to emit 10 tons per year or more of at least one single pollutant listed in Appendix A and is therefore a major source of HAP emissions.
- c. Does this source have the potential to emit 25 tons per year or more of any combination of air pollutants listed in Appendix A?
- NO, facility does not have the potential to emit 25 tons per year or more of any combination of pollutants listed in Appendix A.
 - YES, facility does have the potential to emit 25 tons per year or more of any combination of pollutants listed in Table A and is therefore a major source of HAP emissions.

If the answer to both questions 1b and 1c is “no”, this facility is considered to be an “area source” of HAP emissions.

- d. At any given time, does the source produce, process, handle, store or use any of the substances listed in **Appendix B: Accidental Release Prevention** in quantities greater than the threshold quantity?
- NO, facility is not subject to the Accidental Release Prevention. Skip to question f.
 - YES, read Section 112(r) of the Clean Air Act Amendments of 1990 and 40 CFR Part 68 and answer question 1e.

e. After reviewing Section 112(r) of the Clean Air Act Amendments of 1990 and 40 CFR 68, is this facility subject to Section 112(r) Prevention of Accidental Releases?

NO, indicate reasons it is believed the source is not subject to these requirements (include 112(r) or rule references):

YES, facility is subject to Section 112(r) Prevention of Accidental Releases. Although not a part of the Title V operating permit, facilities are required to write a management plan for the prevention of accidental releases that covers hazard assessment, pollution prevention, and emergency response issues for this facility.

f. After completing all **Part 2 - Emission Point Information** forms, list all applicable NESHAPs for the facility.

Subpart
63ZZZZ: Stationary Reciprocating Internal Combustion Engines (RICE)
63ZZZZZ: Iron and Steel Foundries (Area Sources)

g. After reviewing **Appendix C: Part 61 NESHAP Reference List** and reading the corresponding 40 CFR 61 subpart(s) check one of the following boxes:

NO, facility is not subject to 40 CFR 61 NESHAP requirements

YES, facility (or a portion of it) is subject to 40 CFR 61 NESHAP requirements. (If Yes complete **Part 2 – Part 61 NESHAP Information** form)

PART 61 NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) INFORMATION

2. New Source Performance Standards (NSPS)

a. After completing all **Part 2 - Emission Point Information** forms, list all applicable NSPS for the facility.

Subpart

3. Stratospheric Ozone

a. 40 CFR Part 82 regulates ozone depleting substances including chlorofluorocarbons (CFCs). It requires a phase out of the production and sale of CFCs and several other chemicals. Controls are also mandated on various CFC-containing products.

Review **Appendix D: Stratospheric Ozone Depleting Chemicals** list. If facility manufactures, sells, distributes or uses any of the listed chemicals, then 40 CFR 82 applies to this facility. Read 40 CFR 82 to determine all of the requirements that apply. After reviewing this list of chemicals, check one of the following:

- NO, facility does not manufacture, sell, distribute or use any chemicals from the list, and 40 CFR 82 does not apply to the facility.
- YES, facility does manufacture, sell, distribute or use one or more of the chemicals from the list.

4. Acid Rain Program under Title IV

- a. Does this facility own or operate one of the following Phase I or Phase II units?
 - NO, go to question b.
 - YES, facility is subject to this regulation. Please review the Acid Rain part of **Appendix E: Acid Rain and CSAPR**.

- b. Does this facility combust fossil fuel and generate electricity for wholesale or retail sale, such as a cogeneration facility, a qualifying facility (as defined in the Federal Power Act), independent power producer, or solid waste incinerator?
 - NO, facility is not subject to acid rain requirements, go to question c.
 - YES, facility may be subject to acid rain requirements. Please refer to the applicability definitions in 40 CFR 72.6 to determine if they apply.

- c. After completing questions a. and b. and reviewing 40 CFR 72.6, is this facility subject to acid rain requirements?
 - NO, facility is not subject to acid rain requirements.
 - YES, facility is subject to acid rain requirements.

5. Cross State Air Pollution Rule (CSAPR, aka Transport Rule)

- a. Does this facility own or operate a stationary boiler or combustion turbine that burns fossil fuel?
 - NO, facility is not subject to CSAPR requirements. Answer NO to question d.
 - YES, continue to question b.

- b. Has the unit in question a. served, on or after January 1, 2005, a generator that has greater than a 25 MW nameplate capacity?
- NO, this facility is not subject to CSAPR requirements. Answer NO to question d.
 - YES, continue to question c.
- c. Does the unit in question b. produce electricity for sale?
- NO, facility is not subject to CSAPR requirements. Answer NO to question d.
 - YES, facility MAY be subject to CSAPR Requirements. Please review the **CSAPR** part of **Appendix E: Acid Rain and CSAPR**.
- d. After reviewing **Appendix E** is this facility subject to CSAPR requirements?
- NO, facility is not subject to CSAPR requirements.
 - YES, facility is subject to CSAPR requirements

6. Prevention of Significant Deterioration (PSD)

- a. Review the **Appendix F: Prevention of Significant Deterioration (PSD) Information Worksheet**. Based on the information in the form, answer the following questions regarding the status of this facility;
- i. Is this facility one of the 28 listed source categories?
- NO
 - YES. List the applicable source category(s):
Iron and steel mills
-
- ii Is this facility a major stationary source?
- NO
 - YES.

7. Proposed Limits and Alternate Operating Scenarios

- a. Are there any proposed limits or alternate operating scenarios included in this application?
- NO

- YES. If yes, review **Appendix G: Proposed Limits and Alternative Operating Scenarios** and submit the required information.

8. Boiler and Process Heater

- a. Does this facility operate any boilers or process heaters?
 - NO
 - YES. If yes, complete the **Part 2 - Boiler and Process Heater Information** form with all application information for all boilers and process heaters located at the facility (including "insignificant activities").

9. Engine Information

- a. Does the facility operate any engines?
 - NO
 - YES. If yes, complete one **Part 2 - Engine Information** form for each engine (including "Insignificant Activities) located at the facility.

10 CAM Plans

- a. After completing all Part 2 - Emission Point Information forms, are there any emission units that require a CAM Plan?
 - NO
 - YES

11 Compliance Plans

- a. After completing all Part 2 - Emission Point Information forms, are there any emission units that require a Compliance Plan?
 - NO
 - YES

Owners and operators of air emissions equipment are subject to rules contained in 567 Iowa Administrative Code (IAC) chapters 21 - 33. Please read the rules to determine which apply to the facility or parts thereof using Iowa air quality rules from website www.legis.iowa.gov/law/administrativeRules/agencies or request a hardcopy from the Air Quality Bureau.

Title V Application

Engine Information

EP # EP 152F **Ignition type** Spark Compression

EU # EU 152 **Black start?** Yes No

Engine manufacturer CAT **Emergency engine?** Yes No

Model # CAT 3406 3ph **2 or 4-Stroke? (SI only)** 2-stroke 4-stroke

Model year 1998 **Rich or lean burn?4 (SI only)** Rich burn Lean burn

Engine certified to EPA Tier Standard? Yes No

Non-emergency? Yes No **Portable?** Yes No

Rated capacity (bhp) 536.4 **Fire Pump?** Yes No

Displacement CI only (liters/cylinder) 148.89

Date of construction 01/01/1998 **Modification/ reconstruction date**