August Mack
ENVIRONMENTAL

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1302 North Meridian Street, Suite 300 • Indianapolis, Indiana 46202

June 26, 2024

Indiana Department of Environmental Management
Office of Air Quality
Technical Support and Modeling Section
Mail Code 61-51 IGCN 1003
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Re: 2023 Air Emissions Statement
Gartland Foundry
Terre Haute, Indiana
Source ID 167-00007
August Mack Project Number JX3180.240

Dear Sir or Madam:

August Mack Environmental, Inc. (August Mack) was retained by Gartland Foundry to complete the enclosed 2023 Air Emissions Statement for the Gartland Foundry source located in Terre Haute, Indiana. August Mack entered the air emission information into IDEM's Emission Inventory Tracking System (EMITS) software. The required Air Emission Statement Certification Form (AES-01) is provided in Attachment A.

If you have any questions regarding this submittal, please feel free to contact us at 317.916.8000.

Sincerely,

Ashley Hobbs
Compliance Consultant

Jennifer Richards
Senior Consultant

Attachment

ATTACHMENT A

Certification Form (AES-01)

AES-01
AIR EMISSION STATEMENT CERTIFICATION

State Form 52052 (3-05)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Air Quality
Technical Support and Modeling Section - Mail Code 61-51
100 N. Senate Avenue
Indianapolis, IN 46204-2251
Telephone: (317) 233-0178 or
Toll Free: 1-800-451-6027 x30178 (within Indiana)
http://www.emissions.IN.gov/

Instructions:

- *This is a required form for each air emission statement as well as any modifications.*
- *The certification supplied with a source's permit may be used in lieu of this form*
- *"Responsible Official" has the same meaning as defined in 326 IAC 2-7-1 (34), and is usually designated in the General Information section of the permit.*

Part A: Contact Information

Part A is intended to provide basic information about the company submitting an Air Emission Statement and information on the Air Emission Statement preparer in case there is a question about the report.

1. Company Name: Gartland Foundry		**2.** Source ID: 167-0007
3. Mailing Address: 330 Grant Street		
City: Terre Haute	State: IN	ZIP Code: 47802-
4. Name of Emission Statement Preparer: Megan Grubbs		
5. Title of Emission Statement Preparer: (*optional*): Compliance Specialist		
6. Telephone Number: (317) 916-8000	**7.** Facsimile Number *(optional)*:	
8. Electronic Mail Address *(optional)*: mgrubbs@augustmack.com		

Part B: Emissions Summary

Part B is intended to aid in the review of data and to collect information about billable hazardous air pollutants

Emissions Statement Pollutants (Plant Wide)	**Tons Emitted**
Carbon Monoxide (CO)	22.59
Lead (PB)	0.0010
Nitrogen Dioxide (NO2)	0.04
Particulate Matter <10 Microns (PM10)	9.68
Sulfur Dioxide (SO2)	0.08
Volatile Organic Compounds (VOC)	14.74

Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	**Tons Emitted**
Tetrachloroethylene (Perc) (CAS#127184)	0.0000
Chlorine (CAS# 7782505)	0.0000
Hydrochloric Acid (CAS# 7647010)	0.0000
Hydrofluoric Acid (CAS# 7664393)	0.0000
Methyl Chloroform or 1,1,1-Trichloroethane (CAS# 71556)	0.0000
Methylene Chloride or Dichloromethane (CAS# 75092)	0.0000
Phosphine (CAS# 7803512)	0.0000
Mercury and Mercury Compounds (CAS#7439976 and TRI ID N458)	0.0000

Part C: Signature of Responsible Official

☒ I hereby certify that the information in this emission statement is accurate based on reasonable estimates using data available to the preparers and on a reasonable inquiry into records and persons responsible for the operation of the source, and is true, accurate, and complete.

Frank Elkins	Director of Quality
Name of Responsible Official *(typed or printed)*	Title of Responsible Official
Frank Elkins	6-26-2024
Signature of Responsible Official	Date *(month, day, year)*

ATTACHMENT B

EMITS Reports

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Facility Emissions Overview		
Pollutant	**Pollutant Description**	**Emissions (Tons)**
CO	Carbon Monoxide	22.589
7439921	Lead	0.0010
NOX	Nitrogen Oxides	0.0390
PM10-FIL	Primary PM10, Filterable Portion Only	9.6783
PM25-FIL	Primary PM2.5, Filterable Portion Only	9.4440
SO2	Sulfur Dioxide	0.0781
VOC	Volatile Organic Compounds	14.7393

Group ID: 001 **Group Description:** Electric Induction Furnaces

Percent Quarterly Throughput

Winter: 25 **Spring:** 25 **Summer:** 25 **Fall:** 25

Days Per Week: 5 **Weeks Per Year:** 52 **Hours Per Day:** 18 **Hours Per Year:** 4800

Process ID: EU 120 **Process Description:** Charge Handling for EIFs

SCC:	30400315	**Stack:**	1
	Secondary Metal Production	**Description:**	FG-1
	Grey Iron Foundries	**Stack Type:**	Vertical
	Charge Handling	**Height:**	25
Heat Content:	1	**Diameter:**	3
Sulfur Content:	0	**Temperature:**	72
Ash Content:	0	**Velocity:**	23.58
Throughput:	7809 Tons	**Gas Flow:**	10000
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	EPA Emission Factor	0.36	0	1.4056
PM25-FIL	EPA Emission Factor	0.3	0	1.1714
7439921	Site-Specific Emission Factor	1E-05	0	0.0000
7439965	Site-Specific Emission Factor	0.0033	0	0.0129
7440020	Site-Specific Emission Factor	0.009	0	0.0351
7440473	Site-Specific Emission Factor	0.0054	0	0.0211

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Process ID: EU 130		**Process Description:** Electric Induction Furnace #1 and #2	
SCC:	30400303	**Stack:**	4
	Secondary Metal Production	**Description:**	SC2
	Grey Iron Foundries	**Stack Type:**	Vertical
	Electric Induction Furnace	**Height:**	28
Heat Content:	1	**Diameter:**	2.5
Sulfur Content:	0	**Temperature:**	105
Ash Content:	0	**Velocity:**	61.10
Throughput:	7809 Tons	**Gas Flow:**	18000
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	0	0.15
PM25-FIL	Stack Test	0	0	0.15
7439921	State/Local Speciation Profile	0	99	0.0001
7439965	Site-Specific Emission Factor	0.5	99	0.0195
7440020	Site-Specific Emission Factor	1.35	99	0.0527
7440473	Site-Specific Emission Factor	0.81	99	0.0316

Process ID: EU 150		**Process Description:** Magnesium Treatment	
SCC:	30400321	**Stack:**	4
	Secondary Metal Production	**Description:**	SC2
	Grey Iron Foundries	**Stack Type:**	Vertical
	Magnesium Treatment	**Height:**	28
Heat Content:	1	**Diameter:**	2.5
Sulfur Content:	0	**Temperature:**	105
Ash Content:	0	**Velocity:**	61.10
Throughput:	4326 Tons	**Gas Flow:**	18000
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	0	1.45
PM25-FIL	Stack Test	0	0	1.45
7439965	Site-Specific Emission Factor	0.0099	0	0.0214
7440020	Site-Specific Emission Factor	0.027	0	0.0584
7440473	Site-Specific Emission Factor	0.0162	0	0.0350

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Group ID: 002		**Group Description:** Pouring and Cooling	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 18	**Hours Per Year:** 4800
Process ID: EU 540		**Process Description:** Pouring and Cooling	
SCC:	30400320	**Stack:**	5a
	Secondary Metal Production	**Description:**	FG-INT1
	Grey Iron Foundries	**Stack Type:**	Vertical
	Pouring/Casting	**Height:**	25
Heat Content:	1	**Diameter:**	3
Sulfur Content:	0	**Temperature:**	72
Ash Content:	0	**Velocity:**	23.58
Throughput:	7809 Tons	**Gas Flow:**	10000
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	14.78
NOX	EPA Emission Factor	0.01	0	0.0390
PM10-FIL	Stack Test	0	0	1.04
PM25-FIL	Stack Test	0	0	1.04
SO2	EPA Emission Factor	0.02	0	0.0781
VOC	Stack Test	0	0	6.81
7439921	Site-Specific Emission Factor	7E-05	0	0.0003
7439965	Site-Specific Emission Factor	0.0231	0	0.0902
7440020	Site-Specific Emission Factor	0.063	0	0.2460
7440473	Site-Specific Emission Factor	0.0378	0	0.1476

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Group ID: 004		**Group Description:** Casting Shakeout	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 17	**Hours Per Year:** 4560
Process ID: EU 570		**Process Description:** Casting Shakeout	
SCC:	30400331	**Stack:**	6
	Secondary Metal Production	**Description:**	SC-4
	Grey Iron Foundries	**Stack Type:**	Vertical
	Casting Shakeout	**Height:**	28
Heat Content:	1	**Diameter:**	3.16000008583069
Sulfur Content:	0	**Temperature:**	72
Ash Content:	0	**Velocity:**	54.40
Throughput:	7809 Tons	**Gas Flow:**	25597
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
71432	Site-Specific Emission Factor	0.1643	0	0.6415
7439921	Site-Specific Emission Factor	1E-05	98	0.0000
7439965	Stack Test	0	98	0.07
7440020	Stack Test	0	98	0.04
7440473	Stack Test	0	98	0.0211
CO	State/Local Emission Factor	2	0	7.809
PM10-FIL	Stack Test	0	98	0.14
PM25-FIL	Stack Test	0	98	0.14
VOC	EPA Emission Factor	1.2	0	4.6854
108883	Site-Specific Emission Factor	0.0647	0	0.2526
1330207	Site-Specific Emission Factor	0.0383	0	0.1495

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Group ID: 005		**Group Description:** Sand Handling	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 17	**Hours Per Year:** 4560
Process ID: EU 520		**Process Description:** Sand Handling	
SCC:	30400350	**Stack:**	7
	Secondary Metal Production	**Description:**	SU-INT12
	Grey Iron Foundries	**Stack Type:**	Vertical
	Sand Grinding/Handling	**Height:**	28
Heat Content:	1	**Diameter:**	3.16000008583069
Sulfur Content:	0	**Temperature:**	100
Ash Content:	0	**Velocity:**	54.40
Throughput:	85561 Tons	**Gas Flow:**	25597
Material:	Sand	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	0	0.31
PM25-FIL	Stack Test	0	0	0.31

Group ID: 006		**Group Description:** Isocure Operations	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 8	**Hours Per Year:** 1980
Process ID: 01		**Process Description:** Isocure Sand Handling	
SCC:	30400350	**Stack:**	8
	Secondary Metal Production	**Description:**	SU-INT3
	Grey Iron Foundries	**Stack Type:**	Vertical
	Sand Grinding/Handling	**Height:**	30
Heat Content:	1	**Diameter:**	2
Sulfur Content:	0	**Temperature:**	72
Ash Content:	0	**Velocity:**	53.05
Throughput:	314 Tons	**Gas Flow:**	10000
Material:	Sand	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.4	0	0.0628
PM25-FIL	Site-Specific Emission Factor	0.4	0	0.0628

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Process ID: 02		**Process Description:** Isocure Core Machines		
SCC:	30400371	**Stack:**	9	
	Secondary Metal Production	**Description:**	SUI	
	Grey Iron Foundries	**Stack Type:**	Vertical	
	Core Machines/Other	**Height:**	30	
Heat Content:	1	**Diameter:**	2	
Sulfur Content:	0	**Temperature:**	72	
Ash Content:	0	**Velocity:**	53.05	
Throughput:	314 Tons	**Gas Flow:**	10000	
Material:	Sand	**Input/Output:**	Process Material Used (Input)	
Pollutant	**Emission Method**	**Emission Factor**	**Overall Ctrl Efficiency**	**Emissions(Tons)**
VOC	Site-Specific Emission Factor	10	0	1.57

Process ID: 03		**Process Description:** Isocure Mixers		
SCC:	30400350	**Stack:**	8	
	Secondary Metal Production	**Description:**	SU-INT3	
	Grey Iron Foundries	**Stack Type:**	Vertical	
	Sand Grinding/Handling	**Height:**	30	
Heat Content:	0	**Diameter:**	2	
Sulfur Content:	0	**Temperature:**	72	
Ash Content:	0	**Velocity:**	53.05	
Throughput:	314 Tons	**Gas Flow:**	10000	
Material:	Sand	**Input/Output:**	Process Material Used (Input)	
Pollutant	**Emission Method**	**Emission Factor**	**Overall Ctrl Efficiency**	**Emissions(Tons)**
PM10-FIL	Site-Specific Emission Factor	0.4	0	0.0628
PM25-FIL	Site-Specific Emission Factor	0.4	0	0.0628
VOC	Site-Specific Emission Factor	0.4	0	0.0628

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Group ID: 007		**Group Description:** Oil Core Making	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 8	**Hours Per Year:** 1980
Process ID: 01		**Process Description:** Oil Core Sand Handling	
SCC:	30400350	**Stack:**	10
	Secondary Metal Production	**Description:**	SU-INT5
	Grey Iron Foundries	**Stack Type:**	Vertical
	Sand Grinding/Handling	**Height:**	29
Heat Content:	1	**Diameter:**	2.29999995231628
Sulfur Content:	0	**Temperature:**	72
Ash Content:	0	**Velocity:**	40.11
Throughput:	2 Tons	**Gas Flow:**	10000
Material:	Sand	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.54	0	0.0005
PM25-FIL	Site-Specific Emission Factor	0.54	0	0.0005

Process ID: 02		**Process Description:** Oil Core Making	
SCC:	30400371	**Stack:**	0
	Secondary Metal Production	**Description:**	No Stack Associated
	Grey Iron Foundries	**Stack Type:**	Fugitive
	Core Machines/Other	**Height:**	0
Heat Content:	1	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	2 Tons	**Gas Flow:**	0
Material:	Sand	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
VOC	Material Balance	0	0	0.003

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Group ID: 008		**Group Description:** Shell Core Making	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 8	**Hours Per Year:** 1980
Process ID: 01		**Process Description:** Shell Core Sand Handling	
SCC:	30400350	**Stack:**	10
	Secondary Metal Production	**Description:**	SU-INT5
	Grey Iron Foundries	**Stack Type:**	Vertical
	Sand Grinding/Handling	**Height:**	29
Heat Content:	1	**Diameter:**	2.29999995231628
Sulfur Content:	0	**Temperature:**	72
Ash Content:	0	**Velocity:**	40.11
Throughput:	18 Tons	**Gas Flow:**	10000
Material:	Sand	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	0.54	0	0.0049
PM25-FIL	Site-Specific Emission Factor	0.54	0	0.0049

Process ID: 02		**Process Description:** Shell Core Making	
SCC:	30400370	**Stack:**	10
	Secondary Metal Production	**Description:**	SU-INT5
	Grey Iron Foundries	**Stack Type:**	Vertical
	Shell Core Machine	**Height:**	29
Heat Content:	1	**Diameter:**	2.29999995231628
Sulfur Content:	0	**Temperature:**	72
Ash Content:	0	**Velocity:**	40.11
Throughput:	18 Tons	**Gas Flow:**	10000
Material:	Sand	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
VOC	Stack Test	0	0	0.0023

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Group ID: 009		**Group Description:** Cleaning and Blasting	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 5	**Hours Per Year:** 1200
Process ID: EU 610		**Process Description:** Spin Blast	
SCC:	30400340	**Stack:**	11
	Secondary Metal Production	**Description:**	SC-3
	Grey Iron Foundries	**Stack Type:**	Vertical
	Grinding/Cleaning	**Height:**	28
Heat Content:	1	**Diameter:**	1
Sulfur Content:	0	**Temperature:**	72
Ash Content:	0	**Velocity:**	60.99
Throughput:	4202 Tons	**Gas Flow:**	2874
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	0	0.11
PM25-FIL	Stack Test	0	0	0.11
7439921	Site-Specific Emission Factor	0.00027	0	0.0006
7439965	State/Local Emission Factor	0.0935	0	0.1964
7440020	Site-Specific Emission Factor	0.01139	0	0.0239
7440473	Site-Specific Emission Factor	0.00646	0	0.0136

Process ID: EU660		**Process Description:** Tumble Blast	
SCC:	30400340	**Stack:**	13
	Secondary Metal Production	**Description:**	SC-6
	Grey Iron Foundries	**Stack Type:**	Vertical
	Grinding/Cleaning	**Height:**	40
Heat Content:	0	**Diameter:**	2
Sulfur Content:	0	**Temperature:**	70
Ash Content:	0	**Velocity:**	39.30
Throughput:	4202 Tons	**Gas Flow:**	7400
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	0	0.27
PM25-FIL	Stack Test	0	0	0.27

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Group ID: 010		**Group Description:** Finishing	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 5	**Hours Per Year:** 1200
Process ID: EU 650		**Process Description:** Finish Grinders	
SCC:	30400360	**Stack:**	12
	Secondary Metal Production	**Description:**	SC-INT1
	Grey Iron Foundries	**Stack Type:**	Vertical
	Castings Finishing	**Height:**	50
Heat Content:	1	**Diameter:**	4
Sulfur Content:	0	**Temperature:**	72
Ash Content:	0	**Velocity:**	69.07
Throughput:	4202 Tons	**Gas Flow:**	52077
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	1.7	0	3.5717
PM25-FIL	Site-Specific Emission Factor	1.7	0	3.5717

Group ID: 011		**Group Description:** Electrostatic Surface Coating Booth	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 9	**Hours Per Year:** 2400
Process ID: 01		**Process Description:** Electrostatic Surface Coating Booth	
SCC:	40200201	**Stack:**	13
	Surface Coating Operations	**Description:**	SC-6
	Surface Coating Application - General	**Stack Type:**	Vertical
	Paint: Water-base	**Height:**	40
Heat Content:	1	**Diameter:**	2
Sulfur Content:	0	**Temperature:**	70
Ash Content:	0	**Velocity:**	39.30
Throughput:	1775 Gallons	**Gas Flow:**	7400
Material:	Coating	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Material Balance	0	76.5	0.02
PM25-FIL	Material Balance	0	76.5	0.02
VOC	Material Balance	0	0	0.6

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Group ID: 012		**Group Description:** Core Wash	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 8	**Hours Per Year:** 1980
Process ID: 01		**Process Description:** Core Wash	
SCC:	40200201	**Stack:**	0
	Surface Coating Operations	**Description:**	No Stack Associated
	Surface Coating Application - General	**Stack Type:**	Fugitive
	Paint: Water-base	**Height:**	0
Heat Content:	0	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	22 Gallons	**Gas Flow:**	0
Material:	Coating	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
VOC	Site-Specific Emission Factor	5.985	0	0.0658

Process ID: Core R		**Process Description:** Core Release Agent	
SCC:	40188898	**Stack:**	0
	Organic Solvent Evaporation	**Description:**	No Stack Associated
	Fugitive Emissions	**Stack Type:**	Fugitive
	Specify in Comments Field	**Height:**	0
Heat Content:	0	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	250 Gallons	**Gas Flow:**	0
Material:	Paint	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
VOC	Material Balance	0	0	0.94

Facility Emission Detail

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Group ID: Hosaka		**Group Description:** Hosakawa Baghouse	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 5	**Weeks Per Year:** 52	**Hours Per Day:** 20	**Hours Per Year:** 5412
Process ID: BH-5		**Process Description:** Hosakawa Baghouse (Sand Handling System)	
SCC:	30400340	**Stack:**	5
	Secondary Metal Production	**Description:**	SC-5
	Grey Iron Foundries	**Stack Type:**	Vertical
	Grinding/Cleaning	**Height:**	100
Heat Content:	0	**Diameter:**	4.25
Sulfur Content:	0	**Temperature:**	75
Ash Content:	0	**Velocity:**	75
Throughput:	2880 Hour	**Gas Flow:**	65000
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	0	1.08
PM25-FIL	Stack Test	0	0	1.08

Facility Emission Summary

Gartland Foundry Co Inc

Plant ID:1816700007 **Report for 2023**

Location: 330 Grant St,Terre Haute,47802

NAICS: 331511 Iron Foundries

Pollutant	Pollutant Description	Emissions (Tons)
CO	Carbon Monoxide	22.589
7439921	Lead	0.0010
NOX	Nitrogen Oxides	0.0390
PM10-FIL	Primary PM10, Filterable Portion Only	9.6783
PM25-FIL	Primary PM2.5, Filterable Portion Only	9.4440
SO2	Sulfur Dioxide	0.0781
VOC	Volatile Organic Compounds	14.7393