

June 24, 2024

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

Received
JUN 27 2024
State of Indiana

Re: **General Shale Brick Incorporated Plant 67 - Terre Haute, IN**
Title V Annual Emission Statement
Source ID No. 167-00139

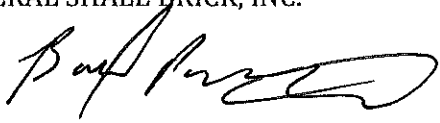
To Whom It May Concern:

Please find enclosed the 2024 Annual Emission Statement (AES) for the General Shale Incorporated. (General Shale) facility located at 5601 E. Price Dr. in Terre Haute, Indiana (Terre Haute Plant). This information is being submitted in accordance with Condition C.16 of Title V Permit No. 167-44326-00139 issued to Meridian on April 13, 2022, which was most recently modified on January 18, 2024, under 167-47105-00139. Attachments include a printout of data entered into the Emissions Inventory Tracking System (EMITS) and the signed certification form for the 2024 AES Submittal.

If you have any questions or require additional information, please contact Mr. Basil Postupack at (812) 894-2454 or Ms. Christa Russell of Trinity Consultants at (317) 695-4644.

Sincerely,

GENERAL SHALE BRICK, INC.

 6/24/24

Basil Postupack
Regional Manager Midwest

Enclosures

cc Christa Russell (Trinity Consultants)
Andrew Reiter (General Shale)
Rich Calhoun (General Shale)



AES-01

AIR EMISSION STATEMENT CERTIFICATION

State Form 52052 (3-05)



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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 (34), and is usually designated in the General Information section of the permit.

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/>

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: General Shale Brick Inc. Plant 67		2. Source ID: 1816700139	
3. Mailing Address: 5601 E. Price Drive			
City: Terre Haute	State: IN	ZIP Code: 47802	
4. Name of Emission Statement Preparer: Christa		Russell	
5. Title of Emission Statement Preparer (optional): Manager of Consulting Services			
6. Telephone Number: (317)-451-8106		7. Facsimile Number (optional):	
8. Electronic Mail Address (optional): crussell@trinityconsultants.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
Ammonia	0.0091
Carbon Monoxide (CO)	91.1572
Condensable Particulate Matter (PM-CON)	40.7155
Filterable Particulate Matter <10 Microns (PM10-FIL)	28.7423
Lead (PB)	0.0086
Nitrogen Dioxide (NO2)	37.0460
Primary PM2.5, Filterable Portion Only	28.6740
Sulfur Dioxide (SO2)	137.2175
Volatle Organic Compounds (VOC)	3.7554
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emitted
Chlorine (CAS# 7782505)	0.0743
Hydrochloric Acid (CAS# 7647010)	0.3143
Hydrofluoric Acid (CAS# 7664393)	0.3543
Mercury and Mercury Compounds (CAS#7439976 and TRI ID N458)	0.0005
Methyl Chloroform or 1,1,1-Trichloroethane (CAS# 71556)	0.0003
Tetrachloroethylene (Perc) (CAS#127184)	0.0002

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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 prepares and on a reasonable inquiry into records and persons responsible for the operation of the source, and is true, accurate, and complete.

Basil Postupalik

Name of Responsible Official (typed or printed)

Regional Manager Midwest

Title of Responsible Official

[Signature]

Signature of Responsible Official

06/24/24

Date (month, day, year)

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	0.0091
CO	Carbon Monoxide	91.1572
7439921	Lead	0.0086
NOX	Nitrogen Oxides	37.0460
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	40.7155
PM10-FIL	Primary PM10, Filterable Portion Only	28.7423
PM25-FIL	Primary PM2.5, Filterable Portion Only	28.6740
SO2	Sulfur Dioxide	137.2175
VOC	Volatile Organic Compounds	3.7554

Group ID: EUG-01		Group Description: Material receiving		
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: 2000	
Process ID: MR01		Process Description: Dump truck unloading		
SCC:	30500317	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Unloading	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	163542 Tons	Gas Flow:	0	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.00066	70	0.0162
PM25-FIL	State/Local Emission Factor	0.0001	70	0.0025

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: MR02		Process Description: Receiving Material Apron Feeder		
SCC:	30500317	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Unloading	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	163542 Tons	Gas Flow:	0	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.00066	70	0.0161
PM25-FIL	State/Local Emission Factor	0.0001	70	0.0024
Process ID: MR03		Process Description: Crude Material Belt Conveyors (3 units)		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	163542 Tons	Gas Flow:	0	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Speciation Profile	0	70	0.0482
PM25-FIL	State/Local Speciation Profile	0	70	0.0073

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: EUG02		Group Description: Clay Grinding and Screening		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 5	Weeks Per Year: 50	Hours Per Day: 20	Hours Per Year: 2000	
Process ID: CD02		Process Description: Clay Preparation Dust Collector (receives from GR02 - GR06)		
SCC:	30500305	Stack:	CD02	
	Mineral Products	Description:	Clay Preparation Dust Collector	
	Brick Manufacture	Stack Type:	Vertical	
	Raw Material Handling and Transferring	Height:	55	
Heat Content:	0	Diameter:	3.7	
Sulfur Content:	0	Temperature:	72	
Ash Content:	0	Velocity:	62.5	
Throughput:	163542 Tons	Gas Flow:	40345	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	0	0.03
PM25-FIL	Stack Test	0	0	0.03
PM-CON	Engineering Judgement	0	0	0.021
Process ID: GR01		Process Description: Primary Crusher		
SCC:	30500306	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Pulverizing	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	163542 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.017	70	0.4170
PM25-FIL	State/Local Emission Factor	0.017	70	0.4170

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: GR07		Process Description: Raw Material Bins		
SCC:	30500303	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Storage of Raw Materials	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	163542 Tons	Gas Flow:	0	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Speciation Profile	0	70	0.081
PM25-FIL	State/Local Speciation Profile	0	70	0.081
Process ID: GR08		Process Description: Raw Material Feeders (2 units)		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	163542 Tons	Gas Flow:	0	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Speciation Profile	0	70	0.0810
PM25-FIL	State/Local Speciation Profile	0	70	0.0810

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: EUG-03		Group Description: Processed Clay		
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: 2000	
Process ID: PC01		Process Description: Processed Clay Bunker Filling		
SCC:	30500303	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Storage of Raw Materials	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	163542 Tons	Gas Flow:	0	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Speciation Profile	0	70	0.027
PM25-FIL	State/Local Speciation Profile	0	70	0.027
Process ID: PC02		Process Description: Reclaimer		
SCC:	30500399	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Other Not Classified	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	163542 Tons	Gas Flow:	0	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Speciation Profile	0	70	0.027
PM25-FIL	State/Local Speciation Profile	0	70	0.027

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: PC03		Process Description: Processed Clay Feed Conveyors (5 units)		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	163542 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Speciation Profile	0	70	0.135
PM25-FIL	State/Local Speciation Profile	0	70	0.135
Process ID: PC04		Process Description: Reclaimer by-pass chute		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	0 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Speciation Profile	0	70	0
PM25-FIL	State/Local Speciation Profile	0	70	0

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: EUG-04		Group Description: Sand Handling		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25
Fall: 25				
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 20
Hours Per Year: 5600				
Process ID: PC05		Process Description: Mixed Clay Conveyors		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	122657 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	68.6	0.0424
PM25-FIL	Engineering Judgement	0	68.6	0.0424
Process ID: PC06		Process Description: Clay Storage Hopper		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	122657 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM25-FIL	State/Local Emission Factor	0.0011	68.6	0.0212
PM10-FIL	State/Local Emission Factor	0.0011	68.6	0.0212

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: PC07		Process Description: Even Feeder		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	122657 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM25-FIL	State/Local Emission Factor	0.0011	68.6	0.0212
PM10-FIL	State/Local Emission Factor	0.0011	68.6	0.0212
Process ID: SD01b		Process Description: Sand (supersack)		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	2669 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.065	68.6	0.0272
PM25-FIL	State/Local Emission Factor	0.065	68.6	0.0272

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: SD02		Process Description: Sand Silo		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	2669 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.065	98	0.0017
PM25-FIL	State/Local Emission Factor	0.065	98	0.0017
Process ID: SD02a		Process Description: Additive (supersack)		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	221 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.065	68.6	0.0023
PM25-FIL	State/Local Emission Factor	0.065	68.6	0.0023

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: SVU		Process Description: Sand Vibrating Unit		
SCC:	30500305	Stack:	FUG	
	Mineral Products	Description:	Fugitive Emissions	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Handling and Transferring	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	221 Tons	Gas Flow:	0	
Material:	Product	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	68.6	0.0817
PM25-FIL	Engineering Judgement	0	68.6	0.0817
Group ID: EUG-05		Group Description: Tile Forming and Firing		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760	
Process ID: EU01		Process Description: Tunnel Dryer - VOC		
SCC:	30500331	Stack:	EU01	
	Mineral Products	Description:	Dryer	
	Brick Manufacture	Stack Type:	Vertical	
	Curing and Firing: Dual Fuel Fired Tunnel Kiln	Height:	55	
Heat Content:	0	Diameter:	6.56	
Sulfur Content:	0	Temperature:	284	
Ash Content:	0	Velocity:	42.09	
Throughput:	114287 Tons	Gas Flow:	85350	
Material:	Product	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7439921	State/Local Speciation Profile	0	0	0.0000
CO	State/Local Emission Factor	0.31	0	17.7145
NOX	State/Local Emission Factor	0.098	0	5.6001
PM10-FIL	State/Local Emission Factor	0.187	0	10.6858
PM25-FIL	State/Local Emission Factor	0.187	0	10.6858
PM-CON	State/Local Emission Factor	0.11	0	6.2858
VOC	State/Local Emission Factor	0.03	0	1.7143

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: EU01_N		Process Description: Natural Gas		
SCC:	10200603	Stack:	EU01	
	Industrial	Description:	Dryer	
	Natural Gas	Stack Type:	Vertical	
	< 10 Million Btu/hr	Height:	55	
Heat Content:	0	Diameter:	6.56	
Sulfur Content:	0	Temperature:	284	
Ash Content:	0	Velocity:	42.09	
Throughput:	197.6951 Million Cubic Feet	Gas Flow:	85350	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	State/Local Emission Factor	40	0	3.9539
NH3	State/Local Emission Factor	0.075	0	0.0074
NOX	State/Local Emission Factor	94	0	9.2917
PM10-FIL	State/Local Emission Factor	1.9	0	0.1878
PM25-FIL	State/Local Emission Factor	1.9	0	0.1878
PM-CON	State/Local Emission Factor	5.7	0	0.5634
SO2	State/Local Emission Factor	0.6	0	0.0593
VOC	State/Local Emission Factor	5.5	0	0.5437
7439921	State/Local Emission Factor	0.0005	0	0.0000
7439976	State/Local Emission Factor	0.0003	0	0.0000
50000	State/Local Emission Factor	0.075	0	0.0074

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: EU02		Process Description: Tunnel Kiln #1		
SCC:	30500331	Stack:	CD01	
	Mineral Products	Description:	Kiln - Dry Injection Fabric Filter	
	Brick Manufacture	Stack Type:	Vertical	
	Curing and Firing: Dual Fuel Fired Tunnel Kiln	Height:	82	
Heat Content:	0	Diameter:	5.91	
Sulfur Content:	0	Temperature:	356	
Ash Content:	0	Velocity:	39.69	
Throughput:	114287 Tons	Gas Flow:	65330	
Material:	Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM-CON	Engineering Judgement	0	0	33.7147
SO2	Stack Test	0	0	137.1444
127184	State/Local Speciation Profile	0	0	0.0002
71556	State/Local Speciation Profile	0	0	0.0003
CO	State/Local Emission Factor	1.2	0	68.5722
NOX	State/Local Emission Factor	0.35	0	20.0002
PM25-FIL	State/Local Emission Factor	0.28	0	16.0002
VOC	State/Local Emission Factor	0.024	0	1.3714
PM10-FIL	Site-Specific Emission Factor	0.28	0	16.0002
7439921	Site-Specific Emission Factor	0.00015	0	0.0086
7439976	Site-Specific Emission Factor	1E-05	0	0.0004
7647010	Site-Specific Emission Factor	0.0055	0	0.3143
7664393	Site-Specific Emission Factor	0.0062	0	0.3543
7782505	Site-Specific Emission Factor	0.0013	0	0.0743

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: LFG		Process Description: Landfill Gas		
SCC:	10200603	Stack:	EU01	
	Industrial	Description:	Dryer	
	Natural Gas	Stack Type:	Vertical	
	< 10 Million Btu/hr	Height:	55	
Heat Content:	0	Diameter:	6.56	
Sulfur Content:	0	Temperature:	284	
Ash Content:	0	Velocity:	42.09	
Throughput:	45.8304 Million Cubic Feet	Gas Flow:	85350	
Material:	Landfill Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	State/Local Emission Factor	40	0	0.9166
NH3	State/Local Emission Factor	0.075	0	0.0017
NOX	State/Local Emission Factor	94	0	2.1540
PM10-FIL	State/Local Emission Factor	1.9	0	0.0435
PM25-FIL	State/Local Emission Factor	1.9	0	0.0435
PM-CON	State/Local Emission Factor	5.7	0	0.1306
SO2	State/Local Emission Factor	0.6	0	0.0137
VOC	State/Local Emission Factor	5.5	0	0.1260
7439976	State/Local Emission Factor	0.0003	0	0.0000
50000	State/Local Emission Factor	0.075	0	0.0017

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: LFG FI		Group Description: Landfill Gas Flare		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 1	
Process ID: LFG FL		Process Description: Landfill Gas Flare		
SCC:	10200603	Stack:	FUG	
	Industrial	Description:	Fugitive Emissions	
	Natural Gas	Stack Type:	Fugitive	
	< 10 Million Btu/hr	Height:	0	
Heat Content:	26.1	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	0 Million Cubic Feet	Gas Flow:	0	
Material:	Landfill Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	State/Local Speciation Profile	0	0	0
NOX	State/Local Speciation Profile	0	0	0
PM10-FIL	State/Local Speciation Profile	0	0	0
PM25-FIL	State/Local Speciation Profile	0	0	0
SO2	State/Local Speciation Profile	0	0	0
VOC	State/Local Speciation Profile	0	0	0
7647010	State/Local Speciation Profile	0	0	0
7782505	State/Local Speciation Profile	0	0	0
7439921	EPA Emission Factor	0.0005	0	0

Facility Emission Detail

General Shale Brick, Inc. Plant 67

Plant ID:1816700139

Report for 2023

Location: 5601 E Price Dr, Terre Haute, 47802

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: Mining		Group Description: Surface Mining		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 1	Weeks Per Year: 39	Hours Per Day: 10	Hours Per Year: 390	
Process ID: Mining		Process Description: Raw Material extraction		
SCC:	30107705	Stack:	FUG	
	Chemical Manufacturing	Description:	Fugitive Emissions	
	Polyvinyl Chloride and Copolymers Production	Stack Type:	Fugitive	
	Polymerization Reactor: Bulk Process	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	137280 Tons	Gas Flow:	0	
Material:	Clay	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Speciation Profile	0	0	0.7488
PM25-FIL	State/Local Speciation Profile	0	0	0.7488