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June 24, 2024

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204

Re: BrickCraft, Inc.
Part 70 Operating Permit Number 021-42808-00054
CY 2023 Air Emission Statement

Dear Sir or Madam:

KERAMIDA, Inc. (KERAMIDA) is pleased to submit the enclosed Air Emission Statement pursuant to 326 IAC 2-6-3 on behalf of BrickCraft, Inc. The statement covers the period of January 1, 2023 through December 31, 2023.

If you have any questions, please contact me by telephone at (317) 631-9576 or via e-mail at jwellspring@keramida.com.

Sincerely,
KERAMIDA

John Wellspring
Senior Project Manager

Enclosure
2023 Air Emission Statement

INCREASING OUR CLIENTS' PROFITABILITY THROUGH SMART CONSULTING™

ENGINEERS • GEOLOGISTS • SCIENTISTS • SAFETY PROFESSIONALS • INDUSTRIAL HYGIENISTS • TOXICOLOGISTS • MODELING EXPERTS
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AES-01

AIR EMISSION STATEMENT CERTIFICATION

State Form 52052 (3-05)



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Air Quality
 Technical Support and Modelling 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 (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: BrickCraft, Inc.		2. Source ID: 1802100054	
3. Mailing Address:			
City:	State:	ZIP Code:	
4. Name of Emission Statement Preparer: Rachel		Porter	
5. Title of Emission Statement Preparer (optional):		Staff Scientist	
6. Telephone Number: (463) 224-7684		7. Facsimile Number: (optional):	
8. Electronic Mail Address (optional):		rporter@keramida.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)	42.5562
Nitrogen Dioxide (NO2)	12.4122
Primary PM10, Filterable Portion Only (PM10-FIL)	24.7589
Primary PM2.5, Filterable Portion Only (PM25-FIL)	24.7589
Sulfur Dioxide (SO2)	74.1187
Volatile Organic Compounds (VOC)	1.9150
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emitted
Hydrochloric Acid (CAS# 7647010)	3.6173
Hydrofluoric Acid (CAS# 7664393)	1.0675

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

Michael Schwichtenberg

EHS Manager

Name of Responsible Official (typed or printed)

Title of Responsible Official

6/25/2024

Signature of Responsible Official

Date (month, day, year)

Facility Emission Detail

BrickCraft Inc

Plant ID:1802100054

Report for 2023

Location: 200 N SR 59,Center Point,47840

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
CO	Carbon Monoxide	42.5562
NOX	Nitrogen Oxides	12.4122
PM10-FIL	Primary PM10, Filterable Portion Only	24.7589
PM25-FIL	Primary PM2.5, Filterable Portion Only	24.7589
SO2	Sulfur Dioxide	74.1187
VOC	Volatile Organic Compounds	1.9150

Group ID: BD1		Group Description:Brick Dryer		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760	
Process ID: 01		Process Description: DRYING PROCESS		
SCC:	30500350	Stack:	3	
	Mineral Products	Description:	HOT AIR EXHAUST	
	Brick Manufacture	Stack Type:	Vertical	
	Brick Dryer: Heated With Waste Heat From Kiln Cooling Zone	Height:	44	
Heat Content:	0	Diameter:	4	
Sulfur Content:	0	Temperature:	105	
Ash Content:	0	Velocity:	59.70	
Throughput:	70927 Tons	Gas Flow:	45000	
Material:	Brick	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.187	0	6.6317
PM25-FIL	State/Local Emission Factor	0.187	0	6.6317
VOC	State/Local Emission Factor	0.03	0	1.0639

Facility Emission Detail

BrickCraft Inc

Plant ID:1802100054

Report for 2023

Location: 200 N SR 59,Center Point,47840

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: C1		Group Description:Conveyors		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 10	Hours Per Year: 2080	
Process ID: P39009		Process Description: Conveying		
SCC:	30500399	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	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:	70927 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	0.0011	99	0.0004
PM25-FIL	State/Local Emission Factor	0.0011	99	0.0004
Group ID: EX1		Group Description:Extrusion		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2080	
Process ID: 01		Process Description: Brick Extrusion		
SCC:	30500342	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	Brick Manufacture	Stack Type:	Fugitive	
	Extrusion Line	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	70927 Tons	Gas Flow:	0	
Material:	Brick	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.072	0	2.5534
PM25-FIL	State/Local Emission Factor	0.072	0	2.5534

Facility Emission Detail

BrickCraft Inc

Plant ID:1802100054

Report for 2023

Location: 200 N SR 59,Center Point,47840

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: GS1		Group Description:Grinding and Scalping Screen		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2080	
Process ID: 01		Process Description: Screening Process		
SCC:	30500302	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Grinding & Screening	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	70927 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	0.0023	99	0.0008
PM25-FIL	State/Local Emission Factor	0.0023	99	0.0008
Group ID: GS2		Group Description:Finishing Screen Operation		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2080	
Process ID: 01		Process Description: Screening Process		
SCC:	30500302	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Grinding & Screening	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	70927 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	0.0087	99	0.0031
PM25-FIL	State/Local Emission Factor	0.0087	99	0.0031

Facility Emission Detail

BrickCraft Inc

Plant ID:1802100054

Report for 2023

Location: 200 N SR 59,Center Point,47840

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: KL1		Group Description:Kiln		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2080	
Process ID: 01		Process Description: Curing Process		
SCC:	30500304	Stack:	3	
	Mineral Products	Description:	HOT AIR EXAUST	
	Brick Manufacture	Stack Type:	Vertical	
	Curing **	Height:	44	
Heat Content:	1.04	Diameter:	4	
Sulfur Content:	0	Temperature:	105	
Ash Content:	0	Velocity:	59.70	
Throughput:	70927 Tons	Gas Flow:	45000	
Material:	Brick	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	0.87	50	15.4266
PM25-FIL	State/Local Emission Factor	0.87	50	15.4266
TF	State/Local Emission Factor	0.59	40	12.5541
7647010	State/Local Emission Factor	0.17	40	3.6173
CO	State/Local Emission Factor	1.2	0	42.5562
NOX	State/Local Emission Factor	0.35	0	12.4122
VOC	State/Local Emission Factor	0.024	0	0.8511
SO2	Site-Specific Emission Factor	2.09	0	74.1187
7664393	Site-Specific Emission Factor	0.0301	0	1.0675

Facility Emission Detail

BrickCraft Inc

Plant ID:1802100054

Report for 2023

Location: 200 N SR 59,Center Point,47840

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: PC2		Group Description:Primary Crusher		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2080	
Process ID: 01		Process Description: Primary Crusher		
SCC:	30500302	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Grinding & Screening	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	70927 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	0.0024	0	0.0851
PM25-FIL	State/Local Emission Factor	0.0024	0	0.0851
Group ID: PM		Group Description:Pugmill		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2080	
Process ID: Pugmil		Process Description: Pugmill		
SCC:	30500309	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	Brick Manufacture	Stack Type:	Fugitive	
	Blending and Mixing	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	70927 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	0.156	99	0.0553
PM25-FIL	State/Local Emission Factor	0.156	99	0.0553

Facility Emission Detail

BrickCraft Inc

Plant ID:1802100054

Report for 2023

Location: 200 N SR 59,Center Point,47840

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Group ID: Second		Group Description: Secondary Crusher		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2080	
Process ID: Second		Process Description: Crushing		
SCC:	30500302	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	Brick Manufacture	Stack Type:	Fugitive	
	Raw Material Grinding & Screening	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	70927 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	0.0024	99	0.0009
PM25-FIL	State/Local Emission Factor	0.0024	99	0.0009
Group ID: SSB		Group Description: Sodium Bicarbonate Storage Silo		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2670	
Process ID: Dispen		Process Description: Sodium Bicarbonate Dispensing		
SCC:	30500303	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	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:	251 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	0.0011	99	0.0000
PM25-FIL	State/Local Emission Factor	0.0011	99	0.0000

Facility Emission Detail

BrickCraft Inc

Plant ID:1802100054

Report for 2023

Location: 200 N SR 59,Center Point,47840

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: Receiv		Process Description: Sodium Bicarbonate Receiving		
SCC:	30500303	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	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:	251 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	1.1	99.55	0.0006
PM25-FIL	State/Local Emission Factor	1.1	99.55	0.0006
Group ID: SSL		Group Description: Lime Storage Silo		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2670	
Process ID: Dispen		Process Description: Lime Dispensing		
SCC:	30500303	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	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:	259 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	0.0011	99	0.0000
PM25-FIL	State/Local Emission Factor	0.0011	99	0.0000

Facility Emission Detail

BrickCraft Inc

Plant ID:1802100054

Report for 2023

Location: 200 N SR 59,Center Point,47840

NAICS: 327120 Clay Building Material and Refractories Manufacturing

Process ID: Receiv		Process Description: Lime Receiving		
SCC:	30500303	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	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:	259 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	1.1	99.55	0.0006
PM25-FIL	State/Local Emission Factor	1.1	99.55	0.0006
Group ID: Storang		Group Description:Crushed Material Storage Bin		
Percent Quarterly Throughput				
Winter: 22	Spring: 22	Summer: 30	Fall: 26	
Days Per Week: 5	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2670	
Process ID: Storang		Process Description: Storage		
SCC:	30500303	Stack:	0	
	Mineral Products	Description:	No Stack Associated	
	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:	70927 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	0.0011	99	0.0004
PM25-FIL	State/Local Emission Factor	0.0011	99	0.0004