



3005 Commercial Road  
Fort Wayne IN 46809

Received  
JUN 25 2024  
State of Indiana

June 21, 2024

Indiana Department of Environmental Management  
Technical Support and Modeling Section  
Office of Air Quality  
100 North Senate Ave  
Mail Code 61-51 IGCN 1300  
Indianapolis, IN 46204-2251

Phone: 317-233-0178

**RE: FXI Part 70 Permit No. T003-33748-00225:**

On behalf of our Fort Wayne manufacturing facility, please find enclosed the RY2023 Annual Emission Statement Certification and detailed report downloaded from the IDEM EMITS software as requested.

If you have any questions, please contact me at [tharrison@fxi.com](mailto:tharrison@fxi.com) or (469) 278-1569 or Carl Swalls, Fort Wayne EHS Manager – [cswalls@fxi.com](mailto:cswalls@fxi.com)

Sincerely,

A handwritten signature in cursive script that reads 'Terri Harrison'.

Terri Harrison  
EHS Director  
FXI, Inc.



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: FXI Inc		2. Source ID: 1800300225	
3. Mailing Address: 3005 Commercial Rd			
City: Fort Wayne	State: IN	ZIP Code: 46809	
4. Name of Emission Statement Preparer: Terri		Harrison	
5. Title of Emission Statement Preparer (optional): EHS Director			
6. Telephone Number: (469)-278-1569		7. Facsimile Number: (optional):	
8. Electronic Mail Address (optional): tharrison@fxi.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)	34.5447
Filterable Particulate Matter <10 Microns (PM10-FIL)	0.0504
Primary PM2.5, Filterable Portion Only	0.0303
Volatile Organic Compounds (VOC)	67.4187
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emitted
No Billable Hazardous Air Pollutants reported!	0.0000

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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.

Terri Harrison  
 \_\_\_\_\_  
 Name of Responsible Official (typed or printed)  
  
 \_\_\_\_\_  
 Signature of Responsible Official

Regional EHS Manager  
 \_\_\_\_\_  
 Title of Responsible Official  
 06.12.2024  
 \_\_\_\_\_  
 Date (month, day, year)

**Facility Emission Summary**

FXI Inc

Plant ID:1800300225

Report for 2023

Location: 3005 Commercial Rd,Fort Wayne,468092927

NAICS: 32614 Polystyrene Foam Product Manufacturing

<b>Pollutant</b>	<b>Pollutant Description</b>	<b>Emissions (Tons)</b>
NH3	Ammonia	0
CO	Carbon Monoxide	34.5447
7439921	Lead	0
NOX	Nitrogen Oxides	0
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	0
PM10-FIL	Primary PM10, Filterable Portion Only	0.0504
PM25-FIL	Primary PM2.5, Filterable Portion Only	0.0303
SO2	Sulfur Dioxide	0
VOC	Volatile Organic Compounds	67.4187

**Facility Emission Detail****FXI Inc****Plant ID:1800300225****Report for 2023****Location: 3005 Commercial Rd,Fort Wayne,468092927****NAICS: 32614 Polystyrene Foam Product Manufacturing**

<b>Facility Emissions Overview</b>		
<b>Pollutant</b>	<b>Pollutant Description</b>	<b>Emissions (Tons)</b>
NH3	Ammonia	0
CO	Carbon Monoxide	34.5447
7439921	Lead	0
NOX	Nitrogen Oxides	0
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	0
PM10-FIL	Primary PM10, Filterable Portion Only	0.0504
PM25-FIL	Primary PM2.5, Filterable Portion Only	0.0303
SO2	Sulfur Dioxide	0
VOC	Volatile Organic Compounds	67.4187

# Facility Emission Detail

FXI Inc

Plant ID:1800300225

Report for 2023

Location: 3005 Commercial Rd,Fort Wayne,468092927

NAICS: 32614 Polystyrene Foam Product Manufacturing

<b>Group ID: 001</b>		<b>Group Description: IND BOILERS</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 50</b>	<b>Spring: 0</b>	<b>Summer: 15</b>	<b>Fall: 35</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 30</b>	<b>Hours Per Day: 24</b>	<b>Hours Per Year: 4872</b>	
<b>Process ID: 03</b>		<b>Process Description: BOILER 2</b>		
<b>SCC:</b>	10200501	<b>Stack:</b>	46	
	Industrial	<b>Description:</b>	BOILER	
	Distillate Oil	<b>Stack Type:</b>	Horizontal	
	Grades 1 and 2 Oil	<b>Height:</b>	25	
<b>Heat Content:</b>	1	<b>Diameter:</b>	1.33	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	350	
<b>Ash Content:</b>	0	<b>Velocity:</b>	47.99	
<b>Throughput:</b>	0 1000 Gallons	<b>Gas Flow:</b>	4000	
<b>Material:</b>	Distillate Oil (No. 1 & 2)	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
NOX	EPA Emission Factor	24	0	0
CO	EPA Emission Factor	5	0	0
NH3	EPA Emission Factor	0.8	0	0
PM10-FIL	EPA Emission Factor	1	0	0
PM25-FIL	EPA Emission Factor	0.25	0	0
PM-CON	EPA Emission Factor	1.3	0	0
SO2	EPA Emission Factor	142	0	0
VOC	EPA Emission Factor	0.2	0	0
7439921	EPA Emission Factor	0.00125	0	0
7439976	EPA Emission Factor	0.00042	0	0

# Facility Emission Detail

FXI Inc

Plant ID:1800300225

Report for 2023

Location: 3005 Commercial Rd,Fort Wayne,468092927

NAICS: 32614 Polystyrene Foam Product Manufacturing

<b>Group ID: 002</b>		<b>Group Description:FLAME LAMINATOR</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 29</b>	<b>Spring: 30</b>	<b>Summer: 21</b>	<b>Fall: 20</b>	
<b>Days Per Week: 5</b>	<b>Weeks Per Year: 50</b>	<b>Hours Per Day: 12</b>	<b>Hours Per Year: 3000</b>	
<b>Process ID: 02</b>		<b>Process Description: SCHMITT</b>		
<b>SCC:</b>	39999999	<b>Stack:</b>	3	
	Miscellaneous Manufacturing Industries	<b>Description:</b>	FLAME LAMINATOR	
	Miscellaneous Industrial Processes	<b>Stack Type:</b>	Vertical	
	See Comment **	<b>Height:</b>	37	
<b>Heat Content:</b>	1	<b>Diameter:</b>	2.44000005722046	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	100	
<b>Ash Content:</b>	0	<b>Velocity:</b>	41.70	
<b>Throughput:</b>	6662591 Square Feet	<b>Gas Flow:</b>	11700	
<b>Material:</b>	Material	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
VOC	Engineering Judgement	0	0	0.001
<b>Group ID: 003</b>		<b>Group Description:PERIPHLEX FOAM</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 25</b>	<b>Spring: 25</b>	<b>Summer: 25</b>	<b>Fall: 25</b>	
<b>Days Per Week: 5</b>	<b>Weeks Per Year: 50</b>	<b>Hours Per Day: 8</b>	<b>Hours Per Year: 2000</b>	
<b>Process ID: 01</b>		<b>Process Description: FOAM POUR LINE</b>		
<b>SCC:</b>	39999999	<b>Stack:</b>	25	
	Miscellaneous Manufacturing Industries	<b>Description:</b>	FOAM POUR LINE	
	Miscellaneous Industrial Processes	<b>Stack Type:</b>	Vertical	
	See Comment **	<b>Height:</b>	25	
<b>Heat Content:</b>	1	<b>Diameter:</b>	2.53999996185303	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	100	
<b>Ash Content:</b>	0	<b>Velocity:</b>	128.94	
<b>Throughput:</b>	30745 Pounds	<b>Gas Flow:</b>	39200	
<b>Material:</b>	VOCs	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
VOC	State/Local Emission Factor	1	0	15.3725

# Facility Emission Detail

FXI Inc

Plant ID:1800300225

Report for 2023

Location: 3005 Commercial Rd,Fort Wayne,468092927

NAICS: 32614 Polystyrene Foam Product Manufacturing

<b>Group ID: 005</b>		<b>Group Description: THERMAL RETICULATION</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 26</b>	<b>Spring: 25</b>	<b>Summer: 24</b>	<b>Fall: 25</b>	
<b>Days Per Week: 5</b>	<b>Weeks Per Year: 50</b>	<b>Hours Per Day: 16</b>	<b>Hours Per Year: 4000</b>	
<b>Process ID: 01</b>		<b>Process Description: THERMAL RETICULATOR -1</b>		
<b>SCC:</b>	39999999	<b>Stack:</b>	43	
	Miscellaneous Manufacturing Industries	<b>Description:</b>	THERMAL RETICULATOR	
	Miscellaneous Industrial Processes	<b>Stack Type:</b>	Vertical	
	See Comment **	<b>Height:</b>	25	
<b>Heat Content:</b>	1	<b>Diameter:</b>	1.12999999523163	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	150	
<b>Ash Content:</b>	0	<b>Velocity:</b>	182.81	
<b>Throughput:</b>	19373 Each	<b>Gas Flow:</b>	11000	
<b>Material:</b>	Material	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	State/Local Emission Factor	2.1	0	20.3416
VOC	State/Local Emission Factor	0.9	0	8.7178
<b>Process ID: 02</b>		<b>Process Description: THERMAL RETICULATOR -2</b>		
<b>SCC:</b>	39999999	<b>Stack:</b>	43	
	Miscellaneous Manufacturing Industries	<b>Description:</b>	THERMAL RETICULATOR	
	Miscellaneous Industrial Processes	<b>Stack Type:</b>	Vertical	
	See Comment **	<b>Height:</b>	25	
<b>Heat Content:</b>	1	<b>Diameter:</b>	1.12999999523163	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	150	
<b>Ash Content:</b>	0	<b>Velocity:</b>	182.81	
<b>Throughput:</b>	12566 Each	<b>Gas Flow:</b>	11000	
<b>Material:</b>	Material	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	State/Local Emission Factor	2.1	0	13.1943
VOC	State/Local Emission Factor	0.9	0	5.6547

## Facility Emission Detail

FXI Inc

Plant ID:1800300225

Report for 2023

Location: 3005 Commercial Rd,Fort Wayne,468092927

NAICS: 32614 Polystyrene Foam Product Manufacturing

<b>Group ID: 006</b>		<b>Group Description: FELTING</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 25</b>	<b>Spring: 25</b>	<b>Summer: 25</b>	<b>Fall: 25</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24</b>	<b>Hours Per Year: 8760</b>	
<b>Process ID: 02</b>		<b>Process Description: 6C SHEET PRESS</b>		
<b>SCC:</b>	39999999	<b>Stack:</b>	50	
	Miscellaneous Manufacturing Industries	<b>Description:</b>	FELT ROOM	
	Miscellaneous Industrial Processes	<b>Stack Type:</b>	Vertical	
	See Comment **	<b>Height:</b>	25	
<b>Heat Content:</b>	1	<b>Diameter:</b>	1.12999999523163	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	100	
<b>Ash Content:</b>	0	<b>Velocity:</b>	199.43	
<b>Throughput:</b>	20024 Each	<b>Gas Flow:</b>	12000	
<b>Material:</b>	Material	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	Site-Specific Emission Factor	0.03	0	0.3004
PM10-FIL	State/Local Emission Factor	0.0015	0	0.0150
PM25-FIL	State/Local Emission Factor	0.0009	0	0.0090
VOC	State/Local Emission Factor	0.041	0	0.4105
<b>Process ID: 03</b>		<b>Process Description: 6D SHEET PRESS</b>		
<b>SCC:</b>	39999999	<b>Stack:</b>	50	
	Miscellaneous Manufacturing Industries	<b>Description:</b>	FELT ROOM	
	Miscellaneous Industrial Processes	<b>Stack Type:</b>	Vertical	
	See Comment **	<b>Height:</b>	25	
<b>Heat Content:</b>	1	<b>Diameter:</b>	1.12999999523163	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	100	
<b>Ash Content:</b>	0	<b>Velocity:</b>	199.43	
<b>Throughput:</b>	20023 Each	<b>Gas Flow:</b>	12000	
<b>Material:</b>	Material	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	State/Local Emission Factor	0.03	0	0.3003
PM10-FIL	State/Local Emission Factor	0.0015	0	0.0150
PM25-FIL	State/Local Emission Factor	0.0009	0	0.0090
VOC	State/Local Emission Factor	0.041	0	0.4105



# Facility Emission Detail

FXI Inc

Plant ID:1800300225

Report for 2023

Location: 3005 Commercial Rd,Fort Wayne,468092927

NAICS: 32614 Polystyrene Foam Product Manufacturing

<b>Process ID: 04</b>		<b>Process Description: 6E SHEET PRESS</b>		
<b>SCC:</b>	39999999	<b>Stack:</b>	50	
	Miscellaneous Manufacturing Industries	<b>Description:</b>	FELT ROOM	
	Miscellaneous Industrial Processes	<b>Stack Type:</b>	Vertical	
	See Comment **	<b>Height:</b>	25	
<b>Heat Content:</b>	1	<b>Diameter:</b>	1.12999999523163	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	100	
<b>Ash Content:</b>	0	<b>Velocity:</b>	199.43	
<b>Throughput:</b>	27204 Each	<b>Gas Flow:</b>	12000	
<b>Material:</b>	Material	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	State/Local Emission Factor	0.03	0	0.4081
PM10-FIL	State/Local Emission Factor	0.0015	0	0.0204
PM25-FIL	State/Local Emission Factor	0.0009	0	0.0122
VOC	State/Local Emission Factor	0.041	0	0.5577
<b>Group ID: NFM</b>		<b>Group Description:NEW FOAM MACHINE</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 10</b>	<b>Spring: 15</b>	<b>Summer: 25</b>	<b>Fall: 50</b>	
<b>Days Per Week: 5</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 9</b>	<b>Hours Per Year: 2250</b>	
<b>Process ID: 01</b>		<b>Process Description: NEW FOAM POUR LINE</b>		
<b>SCC:</b>	39999999	<b>Stack:</b>	25	
	Miscellaneous Manufacturing Industries	<b>Description:</b>	FOAM POUR LINE	
	Miscellaneous Industrial Processes	<b>Stack Type:</b>	Vertical	
	See Comment **	<b>Height:</b>	25	
<b>Heat Content:</b>	1	<b>Diameter:</b>	2.53999996185303	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	100	
<b>Ash Content:</b>	0	<b>Velocity:</b>	128.94	
<b>Throughput:</b>	34156 Pounds	<b>Gas Flow:</b>	39200	
<b>Material:</b>	VOCs	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
VOC	State/Local Emission Factor	1	0	17.078

# Facility Emission Detail

FXI Inc

Plant ID:1800300225

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NAICS: 32614 Polystyrene Foam Product Manufacturing

<b>Process ID:</b> NFM		<b>Process Description:</b> NEM USAGE		
<b>SCC:</b>	39999999	<b>Stack:</b>	25	
	Miscellaneous Manufacturing Industries	<b>Description:</b>	FOAM POUR LINE	
	Miscellaneous Industrial Processes	<b>Stack Type:</b>	Vertical	
	See Comment **	<b>Height:</b>	25	
<b>Heat Content:</b>	1	<b>Diameter:</b>	2.53999996185303	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	100	
<b>Ash Content:</b>	0	<b>Velocity:</b>	128.94	
<b>Throughput:</b>	38432 Pounds	<b>Gas Flow:</b>	39200	
<b>Material:</b>	VOCs	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
VOC	State/Local Emission Factor	1	0	19.216