



General Motors LLC
Global Propulsion Systems
105 GM Drive
Bedford, IN 47421

June 25, 2024

FEDEX Tracking: 8182 8913 0205

Indiana Department of Environmental Management
Technical Support and Modelling Section, OAQ
100 North Senate Avenue
MC 61-51, IGCN 1003
Indianapolis, IN 46204-2251

Re: Title V Part 70 Triennial Emissions Statement

Dear Sir or Madam:

General Motors LLC is submitting the following report:

1. Triennial Emissions Statement

Please feel free to contact me at 812-844-2470 or Dara.Borden@gm.com if you should have any questions. Thank you.

Sincerely,

Dara Borden
Environmental Engineer

Enclosures

Recieved
JUN 26 2024
State of Indiana



**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION**

Recieved
JUN 26 2024
State of Indiana

Source Name: General Motors, LLC
Source Address: 105 GM Drive, Bedford, Indiana 47421
Part 70 Permit No.: T093-41358-00007

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) Triennial Emissions Statement

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:	<i>Mark Dickman</i>
Printed Name:	<i>Mark Dickman</i>
Title/Position:	<i>Plant Director</i>
Phone:	<i>517-719-9195</i>
Date:	<i>6/25/2024</i>



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 Motors LLC		2. Source ID: 1809300007	
3. Mailing Address: 105 GM Drive			
City: Bedford	State: IN	ZIP Code: 47421	
4. Name of Emission Statement Preparer: Melissa Neuman			
5. Title of Emission Statement Preparer (optional): Environmental Scientist II			
6. Telephone Number: (734)-223-1694		7. Facsimile Number (optional):	
8. Electronic Mail Address (optional): melissa.neuman@tetrattech.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 Emited
Ammonia	1.0056
Carbon Monoxide (CO)	26.3957
Condensable Particulate Matter (PM-CON)	1.7911
Filterable Particulate Matter <10 Microns (PM10-FIL)	19.6206
Lead (PB)	0.0002
Nitrogen Dioxide (NO2)	31.4235
Primary PM2.5, Filterable Portion Only	19.6206
Sulfur Dioxide (SO2)	0.1885
Volatile Organic Compounds (VOC)	14.1806
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emited
Hydrochloric Acid (CAS# 7647010)	0.1100
Hydrofluoric Acid (CAS# 7664393)	0.6600

Recieved
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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.

Mark Dickman
 Name of Responsible Official (typed or printed)

Mark Dick
 Signature of Responsible Official

Plant Director
 Title of Responsible Official

6/25/2024
 Date (month, day, year)

Facility Emission Summary**General Motors LLC****Plant ID:1809300007****Report for 2023****Location: 105 GM Dr, Bedford, 47421****NAICS: 331523 Nonferrous Metal Die-Casting Foundries**

Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	1.0056
CO	Carbon Monoxide	26.3957
7439921	Lead	0.0002
NOX	Nitrogen Oxides	31.4235
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	1.7911
PM10-FIL	Primary PM10, Filterable Portion Only	19.6206
PM25-FIL	Primary PM2.5, Filterable Portion Only	19.6206
SO2	Sulfur Dioxide	0.1885
VOC	Volatile Organic Compounds	14.1806

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	1.0056
CO	Carbon Monoxide	26.3957
7439921	Lead	0.0002
NOX	Nitrogen Oxides	31.4235
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	1.7911
PM10-FIL	Primary PM10, Filterable Portion Only	19.6206
PM25-FIL	Primary PM2.5, Filterable Portion Only	19.6206
SO2	Sulfur Dioxide	0.1885
VOC	Volatile Organic Compounds	14.1806

Group ID: 001		Group Description: BREAKDOWN FURNACES		
Percent Quarterly Throughput				
Winter: 21	Spring: 33	Summer: 20	Fall: 26	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760	
Process ID: 01		Process Description: CHARGING		
SCC:	30400138	Stack:	1	
	Secondary Metal Production	Description:	Breakdown Charging	
	Aluminum	Stack Type:	Vertical	
	Group 1 Furnace, handling other than clean charge	Height:	85	
Heat Content:	0	Diameter:	4	
Sulfur Content:	0	Temperature:	124	
Ash Content:	0	Velocity:	47.39	
Throughput:	100640.08 Tons	Gas Flow:	35729	
Material:	Metal	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	0.25	0	12.5800
PM25-FIL	Site-Specific Emission Factor	0.25	0	12.5800
VOC	EPA Emission Factor	0.12	0	6.0384

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Process ID: 02		Process Description: Natural gas combustion breakdown furnaces		
SCC:	10200602	Stack:	2	
	Industrial	Description:	Breakdown Flue	
	Natural Gas	Stack Type:	Vertical	
	10-100 Million Btu/hr	Height:	85	
Heat Content:	1000	Diameter:	6	
Sulfur Content:	0	Temperature:	428	
Ash Content:	0	Velocity:	19.74	
Throughput:	625.88 Million Cubic Feet	Gas Flow:	33483	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	84	0	26.2870
NH3	EPA Emission Factor	3.2	0	1.0014
NOX	EPA Emission Factor	100	0	31.294
PM10-FIL	EPA Emission Factor	1.9	0	0.5946
PM25-FIL	EPA Emission Factor	1.9	0	0.5946
PM-CON	EPA Emission Factor	5.7	0	1.7838
SO2	EPA Emission Factor	0.6	0	0.1878
VOC	EPA Emission Factor	5.5	0	1.7212
7439921	EPA Emission Factor	0.0005	0	0.0002

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Group ID: 002		Group Description: HOLDING FURNACES		
Percent Quarterly Throughput				
Winter: 27	Spring: 26	Summer: 22	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760	
Process ID: 01		Process Description: CHARGING		
SCC:	30400138	Stack:	3	
	Secondary Metal Production	Description:	Holding Charge	
	Aluminum	Stack Type:	Vertical	
	Group 1 Furnace, handling other than clean charge	Height:	56	
Heat Content:	0	Diameter:	4	
Sulfur Content:	0	Temperature:	90	
Ash Content:	0	Velocity:	37.82	
Throughput:	100640.08 Tons	Gas Flow:	28515	
Material:	Metal	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	0.0174	0	0.8756
PM25-FIL	Site-Specific Emission Factor	0.0174	0	0.8756
VOC	EPA Emission Factor	0.12	0	6.0384

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Process ID: 02		Process Description: Natural gas combustion holding furnaces	
SCC:	10200602	Stack:	4
	Industrial	Description:	Holding Flue
	Natural Gas	Stack Type:	Vertical
	10-100 Million Btu/hr	Height:	60
Heat Content:	1000	Diameter:	3.5
Sulfur Content:	0	Temperature:	310
Ash Content:	0	Velocity:	38.47
Throughput:	0 Million Cubic Feet	Gas Flow:	22210
Material:	Natural Gas	Input/Output:	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	84	0	0
NH3	EPA Emission Factor	3.2	0	0
NOX	EPA Emission Factor	100	0	0
PM10-FIL	EPA Emission Factor	1.9	0	0
PM25-FIL	EPA Emission Factor	1.9	0	0
PM-CON	EPA Emission Factor	5.7	0	0
SO2	EPA Emission Factor	0.6	0	0
VOC	EPA Emission Factor	5.5	0	0
7439921	EPA Emission Factor	0.0005	0	0

Group ID: 003	Group Description: Bead Blast Booth		
Percent Quarterly Throughput			
Winter: 25	Spring: 25	Summer: 25	Fall: 25
Days Per Week: 1	Weeks Per Year: 52	Hours Per Day: 1	Hours Per Year: 1

Process ID: 01		Process Description: Abrasive blasting	
SCC:	30400160	Stack:	5
	Secondary Metal Production	Description:	Bead Blasting
	Aluminum	Stack Type:	Vertical
	Material Handling	Height:	20
Heat Content:	0	Diameter:	4
Sulfur Content:	0	Temperature:	85
Ash Content:	0	Velocity:	1
Throughput:	0 Pounds	Gas Flow:	754
Material:	Shot	Input/Output:	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	1	95	0
PM25-FIL	State/Local Emission Factor	1	95	0

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Group ID: 005		Group Description: CHIP SYSTEM		
Percent Quarterly Throughput				
Winter: 100	Spring: 0	Summer: 0	Fall: 0	
Days Per Week: 5	Weeks Per Year: 48	Hours Per Day: 16	Hours Per Year: 3840	
Process ID: 01		Process Description: CHARGING		
SCC:	30400138	Stack:	8	
	Secondary Metal Production	Description:	CHIP SYSTEM	
	Aluminum	Stack Type:	Vertical	
	Group 1 Furnace, handling other than clean charge	Height:	60	
Heat Content:	0	Diameter:	5	
Sulfur Content:	0	Temperature:	305	
Ash Content:	0	Velocity:	11.47	
Throughput:	0 Tons	Gas Flow:	13518	
Material:	Metal	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	0.594	0	0
PM25-FIL	Site-Specific Emission Factor	0.594	0	0
VOC	Site-Specific Emission Factor	0.036	0	0

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Process ID: 02		Process Description: NATURAL GAS FIRED EQPMT		
SCC:	10200603	Stack:	8	
	Industrial	Description:	CHIP SYSTEM	
	Natural Gas	Stack Type:	Vertical	
	< 10 Million Btu/hr	Height:	60	
Heat Content:	1000	Diameter:	5	
Sulfur Content:	0	Temperature:	305	
Ash Content:	0	Velocity:	11.47	
Throughput:	0 Million Cubic Feet	Gas Flow:	13518	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	EPA Emission Factor	1.9	85	0
PM25-FIL	EPA Emission Factor	1.9	85	0
CO	EPA Emission Factor	84	0	0
NH3	EPA Emission Factor	3.2	0	0
NOX	EPA Emission Factor	100	0	0
PM-CON	EPA Emission Factor	5.7	0	0
SO2	EPA Emission Factor	0.6	0	0
VOC	EPA Emission Factor	5.5	0	0
7439921	EPA Emission Factor	0.0005	0	0

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Group ID: 007		Group Description: FLUXING		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 5	Weeks Per Year: 48	Hours Per Day: 16	Hours Per Year: 3840	
Process ID: 01		Process Description: FLUXING - INORGANIC FLUX		
SCC:	30400104	Stack:	0	
	Secondary Metal Production	Description:	Fluxing Operations	
	Aluminum	Stack Type:	Vertical	
	Fluxing: Chlorination	Height:	56	
Heat Content:	0	Diameter:	4	
Sulfur Content:	0	Temperature:	225	
Ash Content:	0	Velocity:	47.26	
Throughput:	44000 Pounds	Gas Flow:	35635	
Material:	Chlorine	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7647010	State/Local Emission Factor	0.005	0	0.11
7664393	State/Local Emission Factor	0.03	0	0.66
PM-CON	EPA Speciation Profile	0	0	0
Process ID: 02		Process Description: FLUXING - ORGANIC FLUX		
SCC:	30400104	Stack:	0	
	Secondary Metal Production	Description:	Fluxing Operations	
	Aluminum	Stack Type:	Vertical	
	Fluxing: Chlorination	Height:	56	
Heat Content:	0	Diameter:	4	
Sulfur Content:	0	Temperature:	225	
Ash Content:	0	Velocity:	47.26	
Throughput:	0 Pounds	Gas Flow:	35635	
Material:	Chlorine	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7647010	State/Local Emission Factor	0.55	0	0
7664393	State/Local Emission Factor	0.06	0	0
PM-CON	EPA Speciation Profile	0	0	0

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Group ID: 04		Group Description: SPM Stack Melters		
Percent Quarterly Throughput				
Winter: 58	Spring: 22	Summer: 5	Fall: 15	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8260	
Process ID: 01		Process Description: SPM Melting		
SCC:	30400138	Stack:	6	
	Secondary Metal Production	Description:	SPM	
	Aluminum	Stack Type:	Vertical	
	Group 1 Furnace, handling other than clean charge	Height:	70	
Heat Content:	0	Diameter:	6	
Sulfur Content:	0	Temperature:	250	
Ash Content:	0	Velocity:	15.73	
Throughput:	0 Tons	Gas Flow:	26691	
Material:	Metal	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	1.78	98.01	0
PM25-FIL	State/Local Emission Factor	1.78	98.01	0
VOC	EPA Emission Factor	0.12	0	0

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Process ID: 02		Process Description: SPM Natural Gas		
SCC:	10200603	Stack:	6	
	Industrial	Description:	SPM	
	Natural Gas	Stack Type:	Vertical	
	< 10 Million Btu/hr	Height:	70	
Heat Content:	1000	Diameter:	6	
Sulfur Content:	0	Temperature:	250	
Ash Content:	0	Velocity:	15.73	
Throughput:	2.59 Million Cubic Feet	Gas Flow:	26691	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	EPA Emission Factor	1.9	98.01	0.0000
PM25-FIL	EPA Emission Factor	1.9	98.01	0.0000
CO	EPA Emission Factor	84	0	0.1088
NH3	EPA Emission Factor	3.2	0	0.0041
NOX	EPA Emission Factor	100	0	0.1295
PM-CON	EPA Emission Factor	5.7	0	0.0074
SO2	EPA Emission Factor	0.6	0	0.0008
VOC	EPA Emission Factor	5.5	0	0.0071
7439921	EPA Emission Factor	0.0005	0	0.0000

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Group ID: 06		Group Description: SPM Lines 1-3		
Percent Quarterly Throughput				
Winter: 41		Spring: 11		Summer: 24
Fall: 24				
Days Per Week: 1		Weeks Per Year: 1		Hours Per Day: 1
Hours Per Year: 1				
Process ID: 01		Process Description: Pouring Cooling Extraction		
SCC:	30400160	Stack:	6	
	Secondary Metal Production	Description:	SPM	
	Aluminum	Stack Type:	Vertical	
	Material Handling	Height:	70	
Heat Content:	0	Diameter:	6	
Sulfur Content:	0	Temperature:	250	
Ash Content:	0	Velocity:	15.73	
Throughput:	0 Tons	Gas Flow:	26691	
Material:	Product	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	State/Local Emission Factor	2.06	98.01	0
PM25-FIL	State/Local Emission Factor	1	98.01	0
SO2	State/Local Emission Factor	0.17	0	0
CO	State/Local Emission Factor	0.51	0	0
VOC	State/Local Emission Factor	3.5	0	0

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr,Bedford,47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Group ID: 8		Group Description:Thermal Sand Reclaim		
Percent Quarterly Throughput				
Winter: 27	Spring: 12	Summer: 35	Fall: 26	
Days Per Week: 1	Weeks Per Year: 1	Hours Per Day: 1	Hours Per Year: 1	
Process ID: 01		Process Description: Natural Gas Combustion		
SCC:	10200603	Stack:	7	
	Industrial	Description:	Thermal Sand Reclaim	
	Natural Gas	Stack Type:	Vertical	
	< 10 Million Btu/hr	Height:	70	
Heat Content:	1000	Diameter:	4	
Sulfur Content:	0	Temperature:	251	
Ash Content:	0	Velocity:	35.4	
Throughput:	0 Million Cubic Feet	Gas Flow:	26691	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	EPA Emission Factor	1.9	99	0
PM25-FIL	EPA Emission Factor	1.9	99	0
CO	EPA Emission Factor	84	0	0
NH3	EPA Emission Factor	3.2	0	0
NOX	EPA Emission Factor	100	0	0
PM-CON	EPA Emission Factor	5.7	0	0
SO2	EPA Emission Factor	0.6	0	0
VOC	EPA Emission Factor	5.5	0	0
7439921	EPA Emission Factor	0.0005	0	0

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr, Bedford, 47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Process ID: 02		Process Description: Sand Reclaim		
SCC:	30400160	Stack:	7	
	Secondary Metal Production	Description:	Thermal Sand Reclaim	
	Aluminum	Stack Type:	Vertical	
	Material Handling	Height:	70	
Heat Content:	0	Diameter:	4	
Sulfur Content:	0	Temperature:	251	
Ash Content:	0	Velocity:	35.4	
Throughput:	0 Tons	Gas Flow:	26691	
Material:	Sand	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	0.00947	0	0
PM25-FIL	Site-Specific Emission Factor	0.00947	0	0
VOC	Site-Specific Emission Factor	6E-05	0	0
Group ID: 9		Group Description: Core Making		
Percent Quarterly Throughput				
Winter: 27	Spring: 12	Summer: 35	Fall: 26	
Days Per Week: 1	Weeks Per Year: 1	Hours Per Day: 1	Hours Per Year: 1	
Process ID: P38572		Process Description: Acrylic epoxy core machines		
SCC:	30400199	Stack:	10	
	Secondary Metal Production	Description:	Core Making	
	Aluminum	Stack Type:	Vertical	
	Other Not Classified	Height:	54	
Heat Content:	0	Diameter:	4	
Sulfur Content:	0	Temperature:	450	
Ash Content:	0	Velocity:	1	
Throughput:	0 Tons	Gas Flow:	754	
Material:	Sand	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
SO2	Site-Specific Emission Factor	0.467	0	0
VOC	State/Local Emission Factor	0.54	0	0

Facility Emission Detail

General Motors LLC

Plant ID:1809300007

Report for 2023

Location: 105 GM Dr,Bedford,47421

NAICS: 331523 Nonferrous Metal Die-Casting Foundries

Group ID: 9a		Group Description: Sand Handling System		
Percent Quarterly Throughput				
Winter: 31		Spring: 9		Summer: 31
				Fall: 29
Days Per Week: 1		Weeks Per Year: 1		Hours Per Day: 1
				Hours Per Year: 1
Process ID: 01		Process Description: Mixing		
SCC:	30400160	Stack:	9	
	Secondary Metal Production	Description:	Sand Handling-Mixing	
	Aluminum	Stack Type:	Vertical	
	Material Handling	Height:	70	
Heat Content:	0	Diameter:	4	
Sulfur Content:	0	Temperature:	250	
Ash Content:	0	Velocity:	35.4	
Throughput:	0 Tons	Gas Flow:	26691	
Material:	Sand	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	0.00719	0	0
PM25-FIL	Site-Specific Emission Factor	0.00719	0	0
Group ID: U14998		Group Description: SDC (SGE/CSS Dry Hearth 1)		
Percent Quarterly Throughput				
Winter: 34		Spring: 20		Summer: 20
				Fall: 26
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 24
				Hours Per Year: 8256
Process ID: 01		Process Description: Charging		
SCC:	30400138	Stack:	11	
	Secondary Metal Production	Description:	SDC (SGE/CSS Dry Hearth)	
	Aluminum	Stack Type:	Vertical	
	Group 1 Furnace, handling other than clean charge	Height:	56	
Heat Content:	39	Diameter:	6.67	
Sulfur Content:	0	Temperature:	428	
Ash Content:	0	Velocity:	19.74	
Throughput:	6258.89 Tons	Gas Flow:	41385	
Material:	Aluminum	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	1.78	0	5.5704
PM25-FIL	Site-Specific Emission Factor	1.78	0	5.5704
VOC	EPA Emission Factor	0.12	0	0.3755