



Arconic US, LLC
3131 East Main Street
Lafayette, IN 47905 USA

An ISO 14001 Certified Facility

June 14, 2024

IDEM – Office of Air Quality
Technical Support and Modeling Section
Mail Code 61 - 51
100 North Senate Avenue
Indianapolis, IN 46204-2251

Received
JUN 24 2024
State of Indiana

Subject: Arconic US LLC - 2023 Emission Statement
Plant ID #: 157-00001

Dear OAM Representative,

The Arconic US LLC's Emissions Inventory has been submitted using the Emission Inventory Tracking System (EMITS) via the internet. We have enclosed a certification letter, Form AES-01, and Detailed Report which is needed to complete the EMITS submittal process. Enclosed please find the Arconic US LLC's 2022 Emissions Inventory EMITS certification documentation.

I hereby certify that, based on information and belief formed after reasonable inquiry, the statements and information provided to you through EMITS are true, accurate, and complete.

If you have any questions or need additional information, please contact James Tyler, Environmental Manager at 765-250-1972.

Sincerely,

A handwritten signature in black ink, appearing to read "Fernando Cervantes", written in a cursive style.

Fernando Cervantes
Plant Manager
Arconic US LLC.
3131 East Main Street
Lafayette, IN 47905



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 (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: Arconic US LLC		2. Source ID: 1815700001	
3. Mailing Address:			
City:	State:	ZIP Code:	
4. Name of Emission Statement Preparer: Patrick		Gorman	
5. Title of Emission Statement Preparer (optional):		Professional Engineer	
6. Telephone Number: (219)-836-1000		7. Facsimile Number (optional):	
8. Electronic Mail Address (optional):		patrick.gorman@eptconsultants.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	0.2055
Carbon Monoxide (CO)	8.2399
Condensable Particulate Matter (PM-CON)	0.3661
Filterable Particulate Matter <10 Microns (PM10-FIL)	1.1256
Lead (PB)	0.0000
Nitrogen Dioxide (NO2)	13.7512
Primary PM2.5, Filterable Portion Only	1.1256
Sulfur Dioxide (SO2)	0.4233
Volatile Organic Compounds (VOC)	23.6848
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emitted
Chlorine (CAS# 7782505)	0.0114
Hydrochloric Acid (CAS# 7647010)	0.3570
Hydrofluoric Acid (CAS# 7664393)	0.2924

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

Fernando Cervantes

 Name of Responsible Official (typed or printed)

 Signature of Responsible Official

Plant Manager

 Title of Responsible Official
 6/14/2024

 Date (month, day, year)

Facility Emission Detail**Arconic US LLC****Plant ID:1815700001****Report for 2023****Location: 3131 E Main St,Lafayette,47905****NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding**

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	0.2055
CO	Carbon Monoxide	8.2399
7439921	Lead	0.0000
NOX	Nitrogen Oxides	13.7512
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	0.3661
PM10-FIL	Primary PM10, Filterable Portion Only	1.1256
PM25-FIL	Primary PM2.5, Filterable Portion Only	1.1256
SO2	Sulfur Dioxide	0.4233
VOC	Volatile Organic Compounds	23.6848

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Group ID: 002		Group Description:INGOT		
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: 01		Process Description: #2-6 FURNACE-NATURAL GAS		
SCC:	30490033	Stack:	94-8	
	Secondary Metal Production	Description:	#2-6 FURNACE	
	Fuel Fired Equipment	Stack Type:	Fugitive	
	Natural Gas: Furnaces	Height:	0	
Heat Content:	36	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	0 Hour	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	0
NH3	Stack Test	0	0	0
NOX	Stack Test	0	0	0
PM10-FIL	Stack Test	0	0	0
PM25-FIL	Stack Test	0	0	0
SO2	Stack Test	0	0	0
VOC	Stack Test	0	0	0
626	Stack Test	0	0	0
7439921	Stack Test	0	0	0
7439965	Stack Test	0	0	0
7440020	Stack Test	0	0	0
7440417	Stack Test	0	0	0
7440439	Stack Test	0	0	0
7440473	Stack Test	0	0	0
7647010	Stack Test	0	0	0
7664393	Stack Test	0	0	0
7782505	Stack Test	0	0	0
PM-CON	State/Local Speciation Profile	0	0	0

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 02		Process Description: #2-2 FURNACE-NATURAL GAS		
SCC:	30490033	Stack:	89-8	
	Secondary Metal Production	Description:	#2-2 FURNACE	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Furnaces	Height:	90	
Heat Content:	26	Diameter:	4.17	
Sulfur Content:	0	Temperature:	325	
Ash Content:	0	Velocity:	42.55	
Throughput:	881 Hour	Gas Flow:	34863	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	0.929
NH3	Stack Test	0	0	0
NOX	Stack Test	0	0	0.7618
PM10-FIL	Stack Test	0	0	0.1101
PM25-FIL	Stack Test	0	0	0.1101
SO2	Stack Test	0	0	0.0029
VOC	Stack Test	0	0	0.1981
626	Stack Test	0	0	0
7439921	Stack Test	0	0	0.0000
7439965	Stack Test	0	0	0.0002
7440020	Stack Test	0	0	0.0000
7440417	Stack Test	0	0	0.0000
7440439	Stack Test	0	0	0
7440473	Stack Test	0	0	0.0000
7647010	Stack Test	0	0	0.119
7664393	Stack Test	0	0	0.0053
7782505	Stack Test	0	0	0.0038

Facility Emission Detail

Arconic US LLC

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Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 03		Process Description: #2-4 FURNACE-NATURAL GAS		
SCC:	30490033	Stack:	88-8	
	Secondary Metal Production	Description:	#2-4 FURNACE	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Furnaces	Height:	90	
Heat Content:	36	Diameter:	4.6	
Sulfur Content:	0	Temperature:	582	
Ash Content:	0	Velocity:	56.9	
Throughput:	891 Hour	Gas Flow:	58415	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	0.6189
NH3	Stack Test	0	0	0
NOX	Stack Test	0	0	0.7629
PM10-FIL	Stack Test	0	0	0.4319
PM25-FIL	Stack Test	0	0	0.4319
SO2	Stack Test	0	0	0.003
VOC	Stack Test	0	0	0.2396
626	Stack Test	0	0	0
7439921	Stack Test	0	0	0.0000
7439965	Stack Test	0	0	0.0009
7440020	Stack Test	0	0	0.0000
7440417	Stack Test	0	0	0.0000
7440439	Stack Test	0	0	0
7440473	Stack Test	0	0	0.0001
7647010	Stack Test	0	0	0.119
7664393	Stack Test	0	0	0.0053
7782505	Stack Test	0	0	0.0038

Facility Emission Detail

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Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 04		Process Description: #2-5 FURNACE-NATURAL GAS		
SCC:	30490033	Stack:	87-8	
	Secondary Metal Production	Description:	#2-5 FURNACE	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Furnaces	Height:	90	
Heat Content:	36	Diameter:	4.6	
Sulfur Content:	0	Temperature:	582	
Ash Content:	0	Velocity:	56.9	
Throughput:	91 Hour	Gas Flow:	58415	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	0.0633
NH3	Stack Test	0	0	0
NOX	Stack Test	0	0	0.078
PM10-FIL	Stack Test	0	0	0.0208
PM25-FIL	Stack Test	0	0	0.0208
SO2	Stack Test	0	0	0.0003
VOC	Stack Test	0	0	0.0395
627	Stack Test	0	0	0
7439921	Stack Test	0	0	0.0000
7439965	Stack Test	0	0	0.0000
7440020	Stack Test	0	0	0.0000
7440417	Stack Test	0	0	0.0000
7440439	Stack Test	0	0	0
7440473	Stack Test	0	0	0.0000
7647010	Stack Test	0	0	0.119
7664393	Stack Test	0	0	0.0053
7782505	Stack Test	0	0	0.0038

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 05		Process Description: #4 FURNACE-NATURAL GAS		
SCC:	30490033	Stack:	5-8	
	Secondary Metal Production	Description:	#4 FURNACE	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Furnaces	Height:	90	
Heat Content:	8	Diameter:	4	
Sulfur Content:	0	Temperature:	611	
Ash Content:	0	Velocity:	41.12	
Throughput:	0 Hour	Gas Flow:	31000	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	0
NH3	Stack Test	0	0	0
NOX	Stack Test	0	0	0
PM10-FIL	Stack Test	0	0	0
PM25-FIL	Stack Test	0	0	0
SO2	Stack Test	0	0	0
VOC	Stack Test	0	0	0
7439921	Stack Test	0	0	0
7439965	Stack Test	0	0	0
7440020	Stack Test	0	0	0
7440417	Stack Test	0	0	0
7440439	Stack Test	0	0	0
7440473	Stack Test	0	0	0
7647010	Stack Test	0	0	0
7782505	Stack Test	0	0	0

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 12		Process Description: #3 INGOT PREHEATER		
SCC:	39000699	Stack:	29-7	
	In-process Fuel Use	Description:	#3 Ingot Preheater	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	17.5	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	7 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7664393	Material Balance	0	0	0.0392
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.294
NH3	EPA Emission Factor	3.2	0	0.0112
NOX	EPA Emission Factor	100	0	0.35
PM10-FIL	EPA Emission Factor	1.9	0	0.0066
PM25-FIL	EPA Emission Factor	1.9	0	0.0066
PM-CON	EPA Emission Factor	5.7	0	0.0200
SO2	EPA Emission Factor	0.6	0	0.0021
VOC	EPA Emission Factor	5.5	0	0.0192
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0063
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0003

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 13		Process Description: #4 INGOT PREHEATER		
SCC:	39000699	Stack:	30-7	
	In-process Fuel Use	Description:	#4 Ingot Preheater	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	12.3	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	5 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7664393	Material Balance	0	0	0.0392
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.21
NH3	EPA Emission Factor	3.2	0	0.008
NOX	EPA Emission Factor	100	0	0.25
PM10-FIL	EPA Emission Factor	1.9	0	0.0048
PM25-FIL	EPA Emission Factor	1.9	0	0.0048
PM-CON	EPA Emission Factor	5.7	0	0.0142
SO2	EPA Emission Factor	0.6	0	0.0015
VOC	EPA Emission Factor	5.5	0	0.0138
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0045
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 15		Process Description: #10 INGOT PREHEATER		
SCC:	39000699	Stack:	24-7	
	In-process Fuel Use	Description:	#10 Ingot Preheater	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	13.5	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	6 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7664393	Material Balance	0	0	0.0392
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.252
NH3	EPA Emission Factor	3.2	0	0.0096
NOX	EPA Emission Factor	100	0	0.3
PM10-FIL	EPA Emission Factor	1.9	0	0.0057
PM25-FIL	EPA Emission Factor	1.9	0	0.0057
PM-CON	EPA Emission Factor	5.7	0	0.0171
SO2	EPA Emission Factor	0.6	0	0.0018
VOC	EPA Emission Factor	5.5	0	0.0165
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0054
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 16		Process Description: #11 INGOT PREHEATER		
SCC:	39000699	Stack:	23-7	
	In-process Fuel Use	Description:	#11 Ingot Preheater	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	13.5	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	6 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7664393	Material Balance	0	0	0.0392
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.252
NH3	EPA Emission Factor	3.2	0	0.0096
NOX	EPA Emission Factor	100	0	0.3
PM10-FIL	EPA Emission Factor	1.9	0	0.0057
PM25-FIL	EPA Emission Factor	1.9	0	0.0057
PM-CON	EPA Emission Factor	5.7	0	0.0171
SO2	EPA Emission Factor	0.6	0	0.0018
VOC	EPA Emission Factor	5.5	0	0.0165
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0054
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 17		Process Description: #12 INGOT PREHEATER		
SCC:	39000699	Stack:	22-7	
	In-process Fuel Use	Description:	#12 Ingot Preheater	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	13.5	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	6 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7664393	Material Balance	0	0	0.0392
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.252
NH3	EPA Emission Factor	3.2	0	0.0096
NOX	EPA Emission Factor	100	0	0.3
PM10-FIL	EPA Emission Factor	1.9	0	0.0057
PM25-FIL	EPA Emission Factor	1.9	0	0.0057
PM-CON	EPA Emission Factor	5.7	0	0.0171
SO2	EPA Emission Factor	0.6	0	0.0018
VOC	EPA Emission Factor	5.5	0	0.0165
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0054
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

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Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 18		Process Description: #13 INGOT PREHEATER		
SCC:	39000699	Stack:	21-7	
	In-process Fuel Use	Description:	#13 Ingot Preheater	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	13.5	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	6 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7664393	Material Balance	0	0	0.0392
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.252
NH3	EPA Emission Factor	3.2	0	0.0096
NOX	EPA Emission Factor	100	0	0.3
PM10-FIL	EPA Emission Factor	1.9	0	0.0057
PM25-FIL	EPA Emission Factor	1.9	0	0.0057
PM-CON	EPA Emission Factor	5.7	0	0.0171
SO2	EPA Emission Factor	0.6	0	0.0018
VOC	EPA Emission Factor	5.5	0	0.0165
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0054
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

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Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 34		Process Description: #7 INGOT PREHEATER		
SCC:	39000699	Stack:	24-7b	
	In-process Fuel Use	Description:	#7 Ingot Preheater	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	20	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	8 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7664393	Material Balance	0	0	0.0392
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.336
NH3	EPA Emission Factor	3.2	0	0.0128
NOX	EPA Emission Factor	100	0	0.4
PM10-FIL	EPA Emission Factor	1.9	0	0.0076
PM25-FIL	EPA Emission Factor	1.9	0	0.0076
PM-CON	EPA Emission Factor	5.7	0	0.0228
SO2	EPA Emission Factor	0.6	0	0.0024
VOC	EPA Emission Factor	5.5	0	0.022
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0072
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0003

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 99		Process Description: #2-3 FURNACE-NATURAL GAS		
SCC:	30490033	Stack:	90-8	
	Secondary Metal Production	Description:	#2-3 FURNACE	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Furnaces	Height:	90	
Heat Content:	26	Diameter:	4.17	
Sulfur Content:	0	Temperature:	325	
Ash Content:	0	Velocity:	42.55	
Throughput:	0 Hour	Gas Flow:	34863	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	0
NH3	Stack Test	0	0	0
NOX	Stack Test	0	0	0
PM10-FIL	Stack Test	0	0	0
PM25-FIL	Stack Test	0	0	0
SO2	Stack Test	0	0	0
VOC	Stack Test	0	0	0
627	Stack Test	0	0	0
7439921	Stack Test	0	0	0
7439965	Stack Test	0	0	0
7440020	Stack Test	0	0	0
7440417	Stack Test	0	0	0
7440439	Stack Test	0	0	0
7440473	Stack Test	0	0	0
7647010	Stack Test	0	0	0
7664393	Stack Test	0	0	0
7782505	Stack Test	0	0	0

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Group ID: 003		Group Description:EXTRUSION-1		
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: 04		Process Description: #5 PRESS REHEAT GRANCO FR		
SCC:	10200602	Stack:	56-12	
	Industrial	Description:	#5 Press Reheat Granco	
	Natural Gas	Stack Type:	Fugitive	
	10-100 Million Btu/hr	Height:	0	
Heat Content:	18	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	5 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.21
NH3	EPA Emission Factor	3.2	0	0.008
NOX	EPA Emission Factor	100	0	0.25
PM10-FIL	EPA Emission Factor	1.9	0	0.0048
PM25-FIL	EPA Emission Factor	1.9	0	0.0048
PM-CON	EPA Emission Factor	5.7	0	0.0142
SO2	EPA Emission Factor	0.6	0	0.0015
VOC	EPA Emission Factor	5.5	0	0.0138
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0045
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 05		Process Description: #6 PRESS REHEAT GRANCO FR		
SCC:	10200602	Stack:	54-10	
	Industrial	Description:	#6 Press Reheat Granco	
	Natural Gas	Stack Type:	Fugitive	
	10-100 Million Btu/hr	Height:	0	
Heat Content:	16	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	4 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.168
NH3	EPA Emission Factor	3.2	0	0.0064
NOX	EPA Emission Factor	100	0	0.2
PM10-FIL	EPA Emission Factor	1.9	0	0.0038
PM25-FIL	EPA Emission Factor	1.9	0	0.0038
PM-CON	EPA Emission Factor	5.7	0	0.0114
SO2	EPA Emission Factor	0.6	0	0.0012
VOC	EPA Emission Factor	5.5	0	0.011
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0036
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 06		Process Description: #2 GRANCO REHEAT FURNACE		
SCC:	10200602	Stack:	S28A,B	
	Industrial	Description:	#28 Homogenizing Furnace	
	Natural Gas	Stack Type:	Fugitive	
	10-100 Million Btu/hr	Height:	0	
Heat Content:	16	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	4 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.168
NH3	EPA Emission Factor	3.2	0	0.0064
NOX	EPA Emission Factor	100	0	0.2
PM10-FIL	EPA Emission Factor	1.9	0	0.0038
PM25-FIL	EPA Emission Factor	1.9	0	0.0038
PM-CON	EPA Emission Factor	5.7	0	0.0114
SO2	EPA Emission Factor	0.6	0	0.0012
VOC	EPA Emission Factor	5.5	0	0.011
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0036
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 07		Process Description: #12 GRANCO REHEAT FURNACE		
SCC:	10200602	Stack:	79-10	
	Industrial	Description:	#12 Granco Reheat Furnace	
	Natural Gas	Stack Type:	Fugitive	
	10-100 Million Btu/hr	Height:	0	
Heat Content:	16	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	4 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.168
NH3	EPA Emission Factor	3.2	0	0.0064
NOX	EPA Emission Factor	100	0	0.2
PM10-FIL	EPA Emission Factor	1.9	0	0.0038
PM25-FIL	EPA Emission Factor	1.9	0	0.0038
PM-CON	EPA Emission Factor	5.7	0	0.0114
SO2	EPA Emission Factor	0.6	0	0.0012
VOC	EPA Emission Factor	5.5	0	0.011
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0036
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 10		Process Description: #8 PRESS REHEAT GRANCO FR		
SCC:	10200602	Stack:	S28A,B	
	Industrial	Description:	#28 Homogenizing Furnace	
	Natural Gas	Stack Type:	Fugitive	
	10-100 Million Btu/hr	Height:	0	
Heat Content:	16	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	4 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.168
NH3	EPA Emission Factor	3.2	0	0.0064
NOX	EPA Emission Factor	100	0	0.2
PM10-FIL	EPA Emission Factor	1.9	0	0.0038
PM25-FIL	EPA Emission Factor	1.9	0	0.0038
PM-CON	EPA Emission Factor	5.7	0	0.0114
SO2	EPA Emission Factor	0.6	0	0.0012
VOC	EPA Emission Factor	5.5	0	0.011
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0036
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: 22		Process Description: #6 AGE OVEN		
SCC:	39000699	Stack:	S28A,B	
	In-process Fuel Use	Description:	#28 Homogenizing Furnace	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	14	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	4 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.168
NH3	EPA Emission Factor	3.2	0	0.0064
NOX	EPA Emission Factor	100	0	0.2
PM10-FIL	EPA Emission Factor	1.9	0	0.0038
PM25-FIL	EPA Emission Factor	1.9	0	0.0038
PM-CON	EPA Emission Factor	5.7	0	0.0114
SO2	EPA Emission Factor	0.6	0	0.0012
VOC	EPA Emission Factor	5.5	0	0.011
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0036
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0002

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Group ID: 004		Group Description:EXTRUSION-2		
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: 04		Process Description: #1 HORIZ. HEAT TREAT FURN		
SCC:	10200602	Stack:	68-112	
	Industrial	Description:	#1 Horizontal Heat Treat Furnace	
	Natural Gas	Stack Type:	Fugitive	
	10-100 Million Btu/hr	Height:	0	
Heat Content:	13.2	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	3 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.126
NH3	EPA Emission Factor	3.2	0	0.0048
NOX	EPA Emission Factor	100	0	0.15
PM10-FIL	EPA Emission Factor	1.9	0	0.0028
PM25-FIL	EPA Emission Factor	1.9	0	0.0028
PM-CON	EPA Emission Factor	5.7	0	0.0086
SO2	EPA Emission Factor	0.6	0	0.0009
VOC	EPA Emission Factor	5.5	0	0.0082
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0027
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0001

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Group ID: 005		Group Description: TUBE MILL		
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: 14		Process Description: SPIRITS/SOLVENTS TOTALS		
SCC:	40100251	Stack:	None	
	Organic Solvent Evaporation	Description:	VAPOR DEGREASERS	
	Degreasing	Stack Type:	Fugitive	
	Stoddard (Petroleum Solvent): General Degreasing Units	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	44779 Pounds	Gas Flow:	0	
Material:	Solvent	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
VOC	Material Balance	0	0	22.39

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Group ID: 006		Group Description: MISCELLANEOUS		
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: 10		Process Description: DIESEL AIR COMPRESSOR		
SCC:	31299999	Stack:	DAC#1	
	Machinery, Miscellaneous	Description:	Diesel Air Compressor	
	Miscellaneous Machinery	Stack Type:	Fugitive	
	Other Not Classified	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	821 Hour	Gas Flow:	0	
Material:	Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
NOX	Engineering Judgement	0	0	5.7258
SO2	Engineering Judgement	0	0	0.3786
VOC	Engineering Judgement	0	0	0.4644
CO	Material Balance	0	0	1.2338
PM10-FIL	Material Balance	0	0	0.4063
PM25-FIL	Material Balance	0	0	0.4063

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Group ID: 007		Group Description: Aluminum Lithium Casthouse		
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: ALLI-1		Process Description: Primary Alluminium Melter		
SCC:	30490033	Stack:	S1	
	Secondary Metal Production	Description:	Primary Aluminum Melter	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Furnaces	Height:	90	
Heat Content:	12.8	Diameter:	4.17	
Sulfur Content:	0	Temperature:	325	
Ash Content:	0	Velocity:	42.55	
Throughput:	32.68 Million Cubic Feet	Gas Flow:	34863	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
NOX	Engineering Judgement	0	0	1.6342
PM10-FIL	Stack Test	0	0	0.0655
PM25-FIL	Stack Test	0	0	0.0655
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	1.3726
NH3	EPA Emission Factor	3.2	0	0.0523
PM-CON	EPA Emission Factor	5.7	0	0.0931
SO2	EPA Emission Factor	0.6	0	0.0098
VOC	EPA Emission Factor	5.5	0	0.0899
108883	EPA Emission Factor	0.0034	0	0.0001
110543	EPA Emission Factor	1.8	0	0.0294
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0012

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: ALLI27		Process Description: #27 Homogenizing Furnace		
SCC:	39000699	Stack:	S27A,B	
	In-process Fuel Use	Description:	#27 Homogenizing Furnace	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	13.26 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7664393	Stack Test	0	0	0.0010
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.5569
NH3	EPA Emission Factor	3.2	0	0.0212
NOX	EPA Emission Factor	100	0	0.663
PM10-FIL	EPA Emission Factor	1.9	0	0.0126
PM25-FIL	EPA Emission Factor	1.9	0	0.0126
PM-CON	EPA Emission Factor	5.7	0	0.0378
SO2	EPA Emission Factor	0.6	0	0.0040
VOC	EPA Emission Factor	5.5	0	0.0365
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0119
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0005

Facility Emission Detail

Arconic US LLC

Plant ID:1815700001

Report for 2023

Location: 3131 E Main St,Lafayette,47905

NAICS: 331318 Other Aluminum Rolling, Drawing, and Extruding

Process ID: ALLI28		Process Description: #28 Homogenizing Furnace		
SCC:	39000699	Stack:	S28A,B	
	In-process Fuel Use	Description:	#28 Homogenizing Furnace	
	Natural Gas	Stack Type:	Fugitive	
	General	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	10.51 Million Cubic Feet	Gas Flow:	0	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7664393	Stack Test	0	0	0.0010
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	0.4414
NH3	EPA Emission Factor	3.2	0	0.0168
NOX	EPA Emission Factor	100	0	0.5255
PM10-FIL	EPA Emission Factor	1.9	0	0.0100
PM25-FIL	EPA Emission Factor	1.9	0	0.0100
PM-CON	EPA Emission Factor	5.7	0	0.0300
SO2	EPA Emission Factor	0.6	0	0.0032
VOC	EPA Emission Factor	5.5	0	0.0289
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0095
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0004