REAL ALLOY

4525 West Old 24
Wabash, IN 46992

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

Re: AES-01 Air Emission Statement Certification for 2023
Real Alloy Specification, LLC (Source ID 1816900010)

June 26, 2024

To whom it may concern:

Enclosed is the completed 2023 Air Emission Statement Certification AES-01 for the Real Alloy Specification, LLC facility located in Wabash, Indiana. The information has been entered into the IDEM's Emissions Inventory Tracking system (EMITS) database.

Feel free to contact me if you have any questions regarding the submittal (260.569.3203).

Respectfully,

Gary Huddleston
Environmental Manager

Enclosure

Cc (electronic): Jeffrey Makofka
Jennifer Zavoda
Gary Reed
Denny Lerch (Haley & Aldrich)

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:	Real Alloy Specification LLC	**2.** Source ID:	1816900010
3. Mailing Address:	4525 W Old US Hwy 24		
City:	Wabash	State: IN	ZIP Code: 46992
4. Name of Emission Statement Preparer:	Denny		Lerch
5. Title of Emission Statement Preparer *(optional)*:	Senior Associate		
6. Telephone Number:	(973)-658-3918	**7.** Facsimile Number: *(optional)*:	
8. Electronic Mail Address *(optional)*:	DLerch@haleyaldrich.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	1.0024
Carbon Monoxide (CO)	56.9830
Condensable Particulate Matter (PM-CON)	1.7855
Filterable Particulate Matter <10 Microns (PM10-FIL)	17.2500
Lead (PB)	0.3621
Nitrogen Dioxide (NO2)	60.1850
Primary PM2.5, Filterable Portion Only	17.2500
Sulfur Dioxide (SO2)	15.2540
Volatile Organic Compounds (VOC)	37.7029
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	**Tons Emitted**
Hydrochloric Acid (CAS# 7647010)	0.2208
Mercury and Mercury Compounds (CAS#7439976 and TRI ID N458)	0.0001

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.

JEFFREY MAKOFKA
Name of Responsible Official *(typed or printed)*

PLANT MANAGER
Title of Responsible Official

Signature of Responsible Official

06/26/2024
Date *(month, day, year)*

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Facility Emissions Overview

Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	1.0024
CO	Carbon Monoxide	56.983
7439921	Lead	0.3621
NOX	Nitrogen Oxides	60.185
PM-CON	Primary PM Condensible Only (All Less Than 1 Micron)	1.7855
PM10-FIL	Primary PM10, Filterable Portion Only	17.25
PM25-FIL	Primary PM2.5, Filterable Portion Only	17.25
SO2	Sulfur Dioxide	15.254
VOC	Volatile Organic Compounds	37.7029

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Group ID: 0D1		**Group Description:** SCRAP DRYER #4	
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:** 5625
Process ID: 01		**Process Description:** SCRAP DRYER #4	
SCC:	30400109	**Stack:**	19
	Secondary Metal Production	**Description:**	DRYER #4 BAGHOUSE
	Aluminum	**Stack Type:**	Vertical
	Burning/Drying	**Height:**	20
Heat Content:	1	**Diameter:**	5.5
Sulfur Content:	0	**Temperature:**	250
Ash Content:	0	**Velocity:**	70.2
Throughput:	22035 Tons	**Gas Flow:**	100000
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Speciation Profile	0	0	4.35
NOX	Stack Test	0	0	6.17
PM10-FIL	Stack Test	0	99	0.75
PM25-FIL	Stack Test	0	99	0.75
SO2	EPA Speciation Profile	0	0	4.63
VOC	Stack Test	0	97	0.47
7439921	Stack Test	0	99	0.02
7439976	EPA Speciation Profile	0	0	0.0000
7647010	Stack Test	0	0	0.0198

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Group ID: 0D2		**Group Description:** SCRAP DRYER #5	
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:** 5268
Process ID: 01		**Process Description:** SCRAP DRYER #5	
SCC:	30400109	**Stack:**	26
	Secondary Metal Production	**Description:**	DRYER #5 BAGHOUSE
	Aluminum	**Stack Type:**	Vertical
	Burning/Drying	**Height:**	40
Heat Content:	1	**Diameter:**	5.5
Sulfur Content:	0	**Temperature:**	250
Ash Content:	0	**Velocity:**	70.1
Throughput:	18660 Tons	**Gas Flow:**	100000
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Speciation Profile	0	0	3.68
NOX	Stack Test	0	0	5.22
PM10-FIL	Stack Test	0	99	1.12
PM25-FIL	Stack Test	0	99	1.12
SO2	EPA Speciation Profile	0	0	3.92
VOC	Stack Test	0	97	0.5
7439921	Stack Test	0	99	0.0131
7439976	EPA Speciation Profile	0	0	0.0000
7647010	Stack Test	0	0	0.015

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Group ID: 0S1		**Group Description:** SCRAP SHREDDER	
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:** 4861
Process ID: 01		**Process Description:** SCRAP ALUMINUM SHREDDER	
SCC:	30400108	**Stack:**	40
	Secondary Metal Production	**Description:**	SHREDDER BAGHOUSE
	Aluminum	**Stack Type:**	Vertical
	Crushing/Screening	**Height:**	35
Heat Content:	1	**Diameter:**	2.65
Sulfur Content:	0	**Temperature:**	70
Ash Content:	0	**Velocity:**	122.2
Throughput:	33621 Tons	**Gas Flow:**	40439
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	98	1
PM25-FIL	Stack Test	0	98	1

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Group ID: CGF		**Group Description:** CENTER GROUP FURNACES (3)	
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:** 7666
Process ID: 01		**Process Description:** REVERBERATORY FURNACE #10	
SCC:	30400138	**Stack:**	33
	Secondary Metal Production	**Description:**	CGF BAGHOUSE
	Aluminum	**Stack Type:**	Vertical
	Group 1 Furnace, handling other than clean charge	**Height:**	40
Heat Content:	1	**Diameter:**	7.25
Sulfur Content:	0	**Temperature:**	200
Ash Content:	0	**Velocity:**	50.7
Throughput:	24660 Tons	**Gas Flow:**	125500
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	3.99
NOX	Stack Test	0	0	3.08
PM10-FIL	Stack Test	0	99	0.17
PM25-FIL	Stack Test	0	99	0.17
SO2	Stack Test	0	0	1.11
VOC	Stack Test	0	0	6.18
7439921	Stack Test	0	99	0.014
7647010	Stack Test	0	0	0.038

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Process ID: 02		**Process Description:** REVERBERATORY FURNACE #11	
SCC:	30400138	**Stack:**	33
	Secondary Metal Production	**Description:**	CGF BAGHOUSE
	Aluminum	**Stack Type:**	Vertical
	Group 1 Furnace, handling other than clean charge	**Height:**	40
Heat Content:	1	**Diameter:**	7.25
Sulfur Content:	0	**Temperature:**	200
Ash Content:	0	**Velocity:**	50.7
Throughput:	35545 Tons	**Gas Flow:**	125500
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	5.76
NOX	Stack Test	0	0	4.44
PM10-FIL	Stack Test	0	99	0.25
PM25-FIL	Stack Test	0	99	0.25
SO2	Stack Test	0	0	1.6
VOC	Stack Test	0	0	8.9
7439921	Stack Test	0	99	0.021
7647010	Stack Test	0	0	0.078

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Process ID: 03		**Process Description:** REVERBERATORY FURNACE #8	
SCC:	30400138	**Stack:**	33
	Secondary Metal Production	**Description:**	CGF BAGHOUSE
	Aluminum	**Stack Type:**	Vertical
	Group 1 Furnace, handling other than clean charge	**Height:**	40
Heat Content:	1	**Diameter:**	7.25
Sulfur Content:	0	**Temperature:**	200
Ash Content:	0	**Velocity:**	50.7
Throughput:	18049 Tons	**Gas Flow:**	125500
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	2.92
NOX	Stack Test	0	0	2.26
PM10-FIL	Stack Test	0	99	0.06
PM25-FIL	Stack Test	0	99	0.06
SO2	Stack Test	0	0	0.81
VOC	Stack Test	0	0	4.52
7439921	Stack Test	0	99	0.01
7647010	Stack Test	0	0	0.01

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Process ID: 04		**Process Description:** FCE #8 - NG COMBUSTION	
SCC:	10200602	**Stack:**	6
	Industrial	**Description:**	CGF #8 FLUE
	Natural Gas	**Stack Type:**	Vertical
	10-100 Million Btu/hr	**Height:**	60
Heat Content:	1020	**Diameter:**	5
Sulfur Content:	0	**Temperature:**	430
Ash Content:	0	**Velocity:**	22.4
Throughput:	80.89 Million Cubic Feet	**Gas Flow:**	26500
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	3.3974
NH3	EPA Emission Factor	3.2	0	0.1294
NOX	EPA Emission Factor	100	0	4.0445
PM10-FIL	Stack Test	0	0	1.7
PM25-FIL	Stack Test	0	0	1.7
PM-CON	EPA Emission Factor	5.7	0	0.2305
SO2	Stack Test	0	0	0.054
VOC	EPA Emission Factor	5.5	0	0.2224
7439921	Stack Test	0	0	0.032
7439976	EPA Emission Factor	0.00026	0	0.0000

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Process ID: 05		**Process Description:** FCE #10 - NG COMBUSTION	
SCC:	10200602	**Stack:**	8
	Industrial	**Description:**	CGF #10 FLUE
	Natural Gas	**Stack Type:**	Vertical
	10-100 Million Btu/hr	**Height:**	60
Heat Content:	1020	**Diameter:**	5
Sulfur Content:	0	**Temperature:**	430
Ash Content:	0	**Velocity:**	22.4
Throughput:	110.52 Million Cubic Feet	**Gas Flow:**	26500
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	4.6418
NH3	EPA Emission Factor	3.2	0	0.1768
NOX	EPA Emission Factor	100	0	5.526
PM10-FIL	Stack Test	0	0	2.32
PM25-FIL	Stack Test	0	0	2.32
PM-CON	EPA Emission Factor	5.7	0	0.3150
SO2	Stack Test	0	0	0.07
VOC	EPA Emission Factor	5.5	0	0.3039
7439921	Stack Test	0	0	0.044
7439976	EPA Emission Factor	0.00026	0	0.0000

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Process ID: 06		**Process Description:** FCE #11 - NG COMBUSTION	
SCC:	10200602	**Stack:**	9
	Industrial	**Description:**	CGF #11 FLUE
	Natural Gas	**Stack Type:**	Vertical
	10-100 Million Btu/hr	**Height:**	60
Heat Content:	1020	**Diameter:**	5
Sulfur Content:	0	**Temperature:**	430
Ash Content:	0	**Velocity:**	22.5
Throughput:	159.31 Million Cubic Feet	**Gas Flow:**	26500
Material:	Natural Gas	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	0	3.35
PM25-FIL	Stack Test	0	0	3.35
PM-CON	EPA Emission Factor	5.7	0	0.4540
SO2	Stack Test	0	0	0.11
VOC	EPA Emission Factor	5.5	0	0.4381
7439921	Stack Test	0	0	0.063
7439976	EPA Emission Factor	0.00026	0	0.0000
CO	EPA Emission Factor	84	0	6.6910
NH3	EPA Emission Factor	3.2	0	0.2549
NOX	EPA Emission Factor	100	0	7.9655

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Group ID: WGF		**Group Description:** WEST GROUP FURNACES (2)	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 7	**Weeks Per Year:** 20	**Hours Per Day:** 24	**Hours Per Year:** 6801
Process ID: 02		**Process Description:** REVERBERATORY FURNACE #17	
SCC:	30400138	**Stack:**	34
	Secondary Metal Production	**Description:**	WGF BAGHOUSE
	Aluminum	**Stack Type:**	Vertical
	Group 1 Furnace, handling other than clean charge	**Height:**	40
Heat Content:	1	**Diameter:**	6.25
Sulfur Content:	0	**Temperature:**	200
Ash Content:	0	**Velocity:**	48.9
Throughput:	37130 Tons	**Gas Flow:**	90000
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	6.02
NOX	Stack Test	0	0	4.64
PM10-FIL	Stack Test	0	99	0.43
PM25-FIL	Stack Test	0	99	0.43
SO2	Stack Test	0	0	1.67
VOC	Stack Test	0	0	9.3
7439921	Stack Test	0	99	0.022
7647010	Stack Test	0	0	0.04

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Process ID: 04		**Process Description:** REVERBERATORY FURNACE #14	
SCC:	30400138	**Stack:**	34
	Secondary Metal Production	**Description:**	WGF BAGHOUSE
	Aluminum	**Stack Type:**	Vertical
	Group 1 Furnace, handling other than clean charge	**Height:**	40
Heat Content:	1	**Diameter:**	6.25
Sulfur Content:	0	**Temperature:**	200
Ash Content:	0	**Velocity:**	48.9
Throughput:	24403 Tons	**Gas Flow:**	90000
Material:	Metal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Stack Test	0	0	3.95
NOX	Stack Test	0	0	3.05
PM10-FIL	Stack Test	0	99	0.31
PM25-FIL	Stack Test	0	99	0.31
SO2	Stack Test	0	0	1.1
VOC	Stack Test	0	0	6.11
7439921	Stack Test	0	99	0.014
7647010	Stack Test	0	0	0.02

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Process ID: 04b		**Process Description:** FCE #17 - NG COMBUSTION	
SCC:	10200602	**Stack:**	14
	Industrial	**Description:**	WGF #17 FLUE
	Natural Gas	**Stack Type:**	Vertical
	10-100 Million Btu/hr	**Height:**	65
Heat Content:	1020	**Diameter:**	5
Sulfur Content:	0	**Temperature:**	430
Ash Content:	0	**Velocity:**	22.5
Throughput:	166.41 Million Cubic Feet	**Gas Flow:**	26500
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	6.9892
NH3	EPA Emission Factor	3.2	0	0.2663
NOX	EPA Emission Factor	100	0	8.3205
PM10-FIL	Stack Test	0	0	3.49
PM25-FIL	Stack Test	0	0	3.49
PM-CON	EPA Emission Factor	5.7	0	0.4743
SO2	Stack Test	0	0	0.11
VOC	EPA Emission Factor	5.5	0	0.4576
7439921	Stack Test	0	0	0.066
7439976	EPA Emission Factor	0.00026	0	0.0000

Facility Emission Detail

Real Alloy Specification LLC

Plant ID:1816900010 **Report for 2023**

Location: 4525 W Old US Hwy 24,Wabash,46992

NAICS: 54184 Media Representatives

Process ID: 08		**Process Description:** FCE #14 - NG COMBUSTION	
SCC:	10200602	**Stack:**	11
	Industrial	**Description:**	WGF #14 FLUE
	Natural Gas	**Stack Type:**	Vertical
	10-100 Million Btu/hr	**Height:**	65
Heat Content:	1020	**Diameter:**	5
Sulfur Content:	0	**Temperature:**	430
Ash Content:	0	**Velocity:**	22.5
Throughput:	109.37 Million Cubic Feet	**Gas Flow:**	26500
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	4.5935
NH3	EPA Emission Factor	3.2	0	0.1750
NOX	EPA Emission Factor	100	0	5.4685
PM10-FIL	Stack Test	0	0	2.3
PM25-FIL	Stack Test	0	0	2.3
PM-CON	EPA Emission Factor	5.7	0	0.3117
SO2	Stack Test	0	0	0.07
VOC	EPA Emission Factor	5.5	0	0.3008
7439921	Stack Test	0	0	0.043
7439976	EPA Emission Factor	0.00026	0	0.0000