



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: Ardagh Glass Inc	2. Source ID: 1813500012
3. Mailing Address: 603 E North Street	
City: Winchester	State: IN ZIP Code: 47394
4. Name of Emission Statement Preparer: Kayla Reiser	
5. Title of Emission Statement Preparer(optional): Consultant	
6. Telephone Number: (317)-451-8105	7. Facsimile Number(optional):
8. Electronic Mail Address (optional): kreiser@trinityconsultants.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	1.6129
Carbon Monoxide (CO)	19.4266
Condensable Particulate Matter (PM-CON)	15.0074
Filterable Particulate Matter <10 Microns (PM10-FIL)	83.0639
Lead (PB)	0.1717
Nitrogen Dioxide (NO2)	629.6484
Primary PM2.5, Filterable Portion Only	83.0598
Sulfur Dioxide (SO2)	295.5814
Volatile Organic Compounds (VOC)	28.4801

Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)

	Tons Emitted
Hydrochloric Acid (CAS# 7647010)	2.4255

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.

SETH Armstrong
Name of Responsible Official (typed or printed)

[Signature]
Signature of Responsible Official

Plant Manager
Title of Responsible Official

6/27/24
Date (month, day, year)

Facility Emission Detail

Ardagh Glass Inc

Plant ID:1813500012

Report for 2023

Location: 603 E North St,Winchester,47394

NAICS: 327213 Glass Container Manufacturing

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	1.6129
CO	Carbon Monoxide	19.4266
7439921	Lead	0.1717
NOX	Nitrogen Oxides	629.6484
PM-CON	Primary PM Condensible Only (All Less Than 1 Micron)	15.0074
PM10-FIL	Primary PM10, Filterable Portion Only	83.0639
PM25-FIL	Primary PM2.5, Filterable Portion Only	83.0598
SO2	Sulfur Dioxide	295.5814
VOC	Volatile Organic Compounds	28.4801

Facility Emission Detail

Ardagh Glass Inc

Plant ID:1813500012

Report for 2023

Location: 603 E North St,Winchester,47394

NAICS: 327213 Glass Container Manufacturing

Group ID: 01		Group Description:01 - Furnace #1			
Percent Quarterly Throughput					
Winter: 23		Spring: 13		Summer: 34	Fall: 30
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 24	Hours Per Year: 7192
Process ID: 01		Process Description: Furnace #1			
SCC:	30501402	Stack:	ST5		
	Mineral Products	Description:	01 - Furnace #1		
	Glass Manufacture	Stack Type:	Vertical		
	Container Glass: Melting Furnace	Height:	100		
Heat Content:	0	Diameter:	5		
Sulfur Content:	0	Temperature:	500		
Ash Content:	0	Velocity:	61.5		
Throughput:	79750 Tons	Gas Flow:	72511		
Material:	Glass	Input/Output:	Process Material Produced (Outut)		
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)	
CO	EPA Emission Factor	0.2	0	7.975	
NH3	Engineering Judgement	0	0	0.7521	
NOX	Stack Test	0	0	201.245	
PM10-FIL	Stack Test	0	0	27.873	
PM25-FIL	Stack Test	0	0	27.873	
PM-CON	Stack Test	0	0	8.0946	
SO2	Stack Test	0	0	99.245	
VOC	EPA Emission Factor	0.2	0	7.975	
7439921	Engineering Judgement	0	0	0.0705	

Facility Emission Detail

Ardagh Glass Inc

Plant ID:1813500012

Report for 2023

Location: 603 E North St,Winchester,47394

NAICS: 327213 Glass Container Manufacturing

Group ID: 02		Group Description:02 - Furnace #2		
Percent Quarterly Throughput				
Winter: 27		Spring: 28	Summer: 21	Fall: 24
Days Per Week: 7		Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760
Process ID: 01		Process Description: Furnace #2		
SCC:	30501402	Stack:	ST6	
	Mineral Products	Description:	02 - Furnace #2	
	Glass Manufacture	Stack Type:	Vertical	
	Container Glass: Melting Furnace	Height:	135	
Heat Content:	0	Diameter:	5	
Sulfur Content:	0	Temperature:	500	
Ash Content:	0	Velocity:	61.5	
Throughput:	114516 Tons	Gas Flow:	72511	
Material:	Glass	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	0.2	0	11.4516
NH3	Engineering Judgement	0	0	0.8608
NOX	Stack Test	0	0	428.4034
PM10-FIL	Stack Test	0	0	37.2177
PM25-FIL	Stack Test	0	0	37.2177
PM-CON	Stack Test	0	0	6.8137
SO2	Stack Test	0	0	196.3364
VOC	EPA Emission Factor	0.2	0	11.4516
7439921	Engineering Judgement	0	0	0.1012

Facility Emission Detail

Ardagh Glass Inc

Plant ID:1813500012

Report for 2023

Location: 603 E North St,Winchester,47394

NAICS: 327213 Glass Container Manufacturing

Group ID: 03		Group Description:03 - Furnace #1 Day Bin		
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: 7192		
Process ID: 01		Process Description: Furnace #1 Day Bin		
SCC:	30501410	Stack:	ST4	
	Mineral Products	Description:	03 - Furnace #1 Day Bin	
	Glass Manufacture	Stack Type:	Vertical	
	Raw Material Handling (All Types of Glass)	Height:	52	
Heat Content:	0	Diameter:	0.5	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	39.05	
Throughput:	89163 Tons	Gas Flow:	460	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	EPA Speciation Profile	0	99.5	0.0010
PM25-FIL	EPA Speciation Profile	0	99	0.0006
PM-CON	EPA Speciation Profile	0	0	0.0156
Group ID: 04		Group Description:04 - Furnace #2 Day Bin		
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: Furnace #2 Day Bin		
SCC:	30501410	Stack:	ST6a	
	Mineral Products	Description:	04 - Furnace #2 Day Bin	
	Glass Manufacture	Stack Type:	Vertical	
	Raw Material Handling (All Types of Glass)	Height:	74	
Heat Content:	0	Diameter:	0.5	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	39.05	
Throughput:	128898 Tons	Gas Flow:	460	
Material:	Raw Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	EPA Speciation Profile	0	99.5	0.0007
PM25-FIL	EPA Speciation Profile	0	99	0.0004
PM-CON	EPA Speciation Profile	0	0	0.0113

Facility Emission Detail

Ardagh Glass Inc

Plant ID:1813500012

Report for 2023

Location: 603 E North St,Winchester,47394

NAICS: 327213 Glass Container Manufacturing

Group ID: 05		Group Description: 05 - Raw Materials Batch Storage & Conveying			
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: Raw Materials Batch Storage & Conveying			
SCC:	30501410	Stack:	Store		
	Mineral Products	Description:	05 - Raw Materials Batch Storage & Conveying		
	Glass Manufacture	Stack Type:	Fugitive		
	Raw Material Handling (All Types of Glass)	Height:	0		
Heat Content:	0	Diameter:	0		
Sulfur Content:	0	Temperature:	0		
Ash Content:	0	Velocity:	0		
Throughput:	218061 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	EPA Speciation Profile	0	0	0.0012	
PM25-FIL	EPA Speciation Profile	0	0	0.0007	
PM-CON	EPA Speciation Profile	0	0	0.0190	

Facility Emission Detail

Ardagh Glass Inc

Plant ID:1813500012

Report for 2023

Location: 603 E North St,Winchester,47394

NAICS: 327213 Glass Container Manufacturing

Group ID: 06		Group Description:06 - Raw Materials Batch Mixing			
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: Raw Materials Batch Mixing			
SCC:	30501410	Stack:	ST1		
	Mineral Products	Description:	06 - Raw Materials Batch Mixing		
	Glass Manufacture	Stack Type:	Vertical		
	Raw Material Handling (All Types of Glass)	Height:	15		
Heat Content:	0	Diameter:	0.5		
Sulfur Content:	0	Temperature:	70		
Ash Content:	0	Velocity:	305.6		
Throughput:	218061 Tons	Gas Flow:	3600		
Material:	Raw Material	Input/Output:	Process Material Used (Input)		
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)	
PM10-FIL	EPA Speciation Profile	0	99.5	0.0030	
PM25-FIL	EPA Speciation Profile	0	99	0.0002	
PM-CON	EPA Speciation Profile	0	0	0.0476	
Group ID: 07		Group Description:07 - Cullet Crushing			
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: Cullet Crushing			
SCC:	30501413	Stack:	Crush		
	Mineral Products	Description:	07 - Cullet Crushing		
	Glass Manufacture	Stack Type:	Fugitive		
	Cullet: Crushing/Grinding	Height:	0		
Heat Content:	0	Diameter:	0		
Sulfur Content:	0	Temperature:	0		
Ash Content:	0	Velocity:	0		
Throughput:	59314 Tons	Gas Flow:	0		
Material:	Cullet	Input/Output:	Process Material Used (Input)		
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)	
PM10-FIL	EPA Speciation Profile	0	0	0.0004	
PM25-FIL	EPA Speciation Profile	0	0	0.0002	
PM-CON	EPA Speciation Profile	0	0	0.0056	

Facility Emission Detail

Ardagh Glass Inc

Plant ID:1813500012

Report for 2023

Location: 603 E North St,Winchester,47394

NAICS: 327213 Glass Container Manufacturing

Group ID: 08		Group Description:08 - Parts Washers			
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: Parts Washers			
SCC:	40100335	Stack:	Wash		
	Organic Solvent Evaporation	Description:	08 - Parts Washers		
	Cold Solvent Cleaning/Stripping	Stack Type:	Fugitive		
	Entire Unit	Height:	0		
Heat Content:	0	Diameter:	0		
Sulfur Content:	0	Temperature:	0		
Ash Content:	0	Velocity:	0		
Throughput:	71314 Pounds	Gas Flow:	0		
Material:	Cold Cleaner	Input/Output:	Process Material Existing		
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)	
VOC	Material Balance	0	0	9.0535	
Group ID: 09		Group Description:09 - Mold Swabbing			
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: 7976
Process ID: 01		Process Description: Mold Swabbing			
SCC:	30501402	Stack:	Mold		
	Mineral Products	Description:	09 - Mold Swabbing		
	Glass Manufacture	Stack Type:	Fugitive		
	Container Glass: Melting Furnace	Height:	0		
Heat Content:	0	Diameter:	0		
Sulfur Content:	0	Temperature:	0		
Ash Content:	0	Velocity:	0		
Throughput:	27300 Pounds	Gas Flow:	0		
Material:	Coating	Input/Output:	Process Material Used (Input)		
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)	
PM10-FIL	Engineering Judgement	0	0	12.285	
PM25-FIL	Engineering Judgement	0	0	12.285	

Facility Emission Detail

Ardagh Glass Inc

Plant ID:1813500012

Report for 2023

Location: 603 E North St,Winchester,47394

NAICS: 327213 Glass Container Manufacturing

Group ID: 10		Group Description:10 - Hot End Treatment			
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: 7976	
Process ID: 01		Process Description: Hot End Treatment			
SCC:	30501402	Stack:	Treat		
	Mineral Products	Description:	10 - Hot End Treatment		
	Glass Manufacture	Stack Type:	Fugitive		
	Container Glass: Melting Furnace	Height:	0		
Heat Content:	0	Diameter:	0		
Sulfur Content:	0	Temperature:	0		
Ash Content:	0	Velocity:	0		
Throughput:	23100 Pounds	Gas Flow:	0		
Material:	Coating	Input/Output:	Process Material Used (Input)		
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)	
PM10-FIL	Stack Test	0	0	5.6595	
PM25-FIL	Stack Test	0	0	5.6595	
7647010	Stack Test	0	0	2.4255	
Group ID: 11		Group Description:11 - Abrasive Blaster			
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: 4992	
Process ID: 01		Process Description: Abrasive Blaster			
SCC:	30900201	Stack:	Blast		
	Fabricated Metal Products	Description:	11 - Abrasive Blaster		
	Abrasive Blasting of Metal Parts	Stack Type:	Fugitive		
	General	Height:	0		
Heat Content:	0	Diameter:	0		
Sulfur Content:	0	Temperature:	0		
Ash Content:	0	Velocity:	0		
Throughput:	4992 Hour	Gas Flow:	0		
Material:	Abrasive	Input/Output:	Process Material Used (Input)		
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)	
PM10-FIL	Stack Test	0	99	0.0225	
PM25-FIL	Stack Test	0	99	0.0225	