



Ingredion Incorporated
1515 South Drover Street
Indianapolis, IN 46221
United States
t: +1 317 635 4455
w: ingredion.com

Recieved
JUN 24 2024
State of Indiana

June 18, 2023

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

Re: 2023 Emission Statement for Ingredion Incorporated T09-44290-00042

The 2023 Air Emissions Statement has been completed on the EMITS site online. The Air Emissions Certification and Detail Report for 2023 are attached.

If there are any questions on the emission report, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Anna Miller", with a horizontal line extending to the right.

Anna Miller
Environmental Manager
Ingredion Incorporated
1515 Drover Street
Indianapolis, IN 46221
o:317-656-2392
e: anna.miller@ingredion.com



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: Ingredion Incorporated Indianapolis Pla	2. Source ID: 1809700042
3. Mailing Address:	
City:	State: ZIP Code:
4. Name of Emission Statement Preparer: Anna Miller	
5. Title of Emission Statement Preparer (optional): Environmental Manager	
6. Telephone Number: (317)-656-2392	7. Facsimile Number (optional):
8. Electronic Mail Address (optional): Anna.miller@ingredion.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	1.7978
Carbon Monoxide (CO)	47.0576
Condensable Particulate Matter (PM-CON)	27.1700
Filterable Particulate Matter <10 Microns (PM10-FIL)	90.3900
Lead (PB)	0.0003
Nitrogen Dioxide (NO2)	46.2150
Primary PM2.5, Filterable Portion Only	56.2200
Sulfur Dioxide (SO2)	0.3191
Volatile Organic Compounds (VOC)	11.7323
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emitted
Mercury and Mercury Compounds (CAS#7439976 and TRI ID N458)	0.0001

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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.

JOSH MELBY
 Name of Responsible Official (typed or printed)

Plant Manager
 Title of Responsible Official

Josh Melby
 Signature of Responsible Official

6.19.24
 Date (month, day, year)

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	1.7978
CO	Carbon Monoxide	47.0576
7439921	Lead	0.0003
NOX	Nitrogen Oxides	46.215
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	27.17
PM10-FIL	Primary PM10, Filterable Portion Only	90.39
PM25-FIL	Primary PM2.5, Filterable Portion Only	56.22
SO2	Sulfur Dioxide	0.3191
VOC	Volatile Organic Compounds	11.7323

Group ID: 001		Group Description:FUGITIVE EMISSIONS		
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: FUGITIVE EMISSIONS		
SCC:	30201421	Stack:	PPO	
	Food and Agriculture	Description:	No Stack Associated	
	Starch Manufacturing	Stack Type:	Fugitive	
	Fugitive Emissions: General	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	0	
Ash Content:	0	Velocity:	0	
Throughput:	6913 Tons	Gas Flow:	0	
Material:	Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
VOC	Engineering Judgement	0	0	3.834
75070	Engineering Judgement	0	0	0.282
75569	Stack Test	0	0	3.206
50000	Engineering Judgement	0	0	0.345
Group ID: 40-2		Group Description:3 STARCH FLASH DRYER 40-2		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 15	Hours Per Year: 5269	

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: P34811		Process Description: 3 STARCH FLASH DRYER 40-2		
SCC:	30290003	Stack:	40-2	
	Food and Agriculture	Description:	3 STARCH FLASH DRYER 40-2	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	30	
Heat Content:	1000	Diameter:	6	
Sulfur Content:	0	Temperature:	110	
Ash Content:	0	Velocity:	42.73	
Throughput:	85.2 Million Cubic Feet	Gas Flow:	72493	
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	3.5784
NH3	EPA Emission Factor	3.2	0	0.1363
NOX	EPA Emission Factor	100	0	4.26
PM10-FIL	Engineering Judgement	0	99	11.57
PM25-FIL	EPA Speciation Profile	0	99	7.64
PM-CON	Engineering Judgement	0	99	0.58
SO2	EPA Emission Factor	0.6	0	0.0256
VOC	Engineering Judgement	0	0	1.5118
107028	Stack Test	0	0	0.132
108883	EPA Emission Factor	0.0034	0	0.0001
110543	EPA Emission Factor	1.8	0	0.0767
67561	Stack Test	0	0	0.066
71432	EPA Emission Factor	0.0021	0	0.0001
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0001
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0000
7440473	EPA Emission Factor	0.0014	0	0.0001
7440484	EPA Emission Factor	8E-05	0	0.0000
75070	Stack Test	0	0	0.119
75569	Stack Test	0	0	1.815
7782492	EPA Emission Factor	2E-05	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: P34811		Process Description: 3 STARCH FLASH DRYER 40-2		
SCC:	30290003	Stack:	40-2	
	Food and Agriculture	Description:	3 STARCH FLASH DRYER 40-2	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	30	
Heat Content:	1000	Diameter:	6	
Sulfur Content:	0	Temperature:	110	
Ash Content:	0	Velocity:	42.73	
Throughput:	85.2 Million Cubic Feet	Gas Flow:	72493	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
50000	Stack Test	0	0	0.037
Group ID: 40-3		Group Description: 2 STARCH FLASH DRYER 40-3		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 13	Hours Per Year: 4499	

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 2 STARCH FLASH DRYER 40-3	
SCC:	30290003	Stack:	40-3
	Food and Agriculture	Description:	2 STARCH FLASH DRYER 40-3
	Fuel Fired Equipment	Stack Type:	Vertical
	Natural Gas: Process Heaters	Height:	100
Heat Content:	1000	Diameter:	7.67
Sulfur Content:	0	Temperature:	115
Ash Content:	0	Velocity:	27.13
Throughput:	109.1 Million Cubic Feet	Gas Flow:	75208
Material:	Natural Gas	Input/Output:	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
108883	EPA Emission Factor	0.0034	0	0.0002
110543	EPA Emission Factor	1.8	0	0.0982
67561	Stack Test	0	0	0.056
71432	EPA Emission Factor	0.0021	0	0.0001
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0001
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0001
7440473	EPA Emission Factor	0.0014	0	0.0001
7440484	EPA Emission Factor	8E-05	0	0.0000
75070	Stack Test	0	0	0.101
75569	Stack Test	0	0	1.553
7782492	EPA Emission Factor	2E-05	0	0.0000
50000	Stack Test	0	0	0.697
91203	EPA Emission Factor	0.00061	0	0.0000
CO	EPA Emission Factor	84	0	4.5822
NH3	EPA Emission Factor	3.2	0	0.1746
NOX	EPA Emission Factor	100	0	5.455
PM10-FIL	Stack Test	0	99	1.84
PM25-FIL	Stack Test	0	99	1.21
PM-CON	Stack Test	0	99	0.6
SO2	EPA Emission Factor	0.6	0	0.0327
VOC	Stack Test	0	0	1.6957

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

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Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 2 STARCH FLASH DRYER 40-3		
SCC:	30290003	Stack:	40-3	
	Food and Agriculture	Description:	2 STARCH FLASH DRYER 40-3	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	100	
Heat Content:	1000	Diameter:	7.67	
Sulfur Content:	0	Temperature:	115	
Ash Content:	0	Velocity:	27.13	
Throughput:	109.1 Million Cubic Feet	Gas Flow:	75208	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
107028	Stack Test	0	0	0.112
Group ID: 40-4		Group Description: 1 STARCH FLASH DRYER 40-4		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 13	Hours Per Year: 4452	

Facility Emission Detail

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Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 1 STARCH FLASH DRYER 40-4	
SCC:	30290003	Stack:	40-4
	Food and Agriculture	Description:	1 STARCH FLASH DRYER 40-4
	Fuel Fired Equipment	Stack Type:	Vertical
	Natural Gas: Process Heaters	Height:	102
Heat Content:	1000	Diameter:	6
Sulfur Content:	0	Temperature:	110
Ash Content:	0	Velocity:	28.16
Throughput:	60.8 Million Cubic Feet	Gas Flow:	47773
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	2.5536
NH3	EPA Emission Factor	3.2	0	0.0973
NOX	EPA Emission Factor	100	0	3.04
PM10-FIL	Stack Test	0	99	4.85
PM25-FIL	EPA Speciation Profile	0	99	3.2
PM-CON	Stack Test	0	99	0.34
SO2	EPA Emission Factor	0.6	0	0.0182
VOC	Engineering Judgement	0	0	0.2089
107028	Stack Test	0	0	0.111
108883	EPA Emission Factor	0.0034	0	0.0001
110543	EPA Emission Factor	1.8	0	0.0547
67561	Stack Test	0	0	0.056
71432	EPA Emission Factor	0.0021	0	0.0001
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0001
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0000
7440473	EPA Emission Factor	0.0014	0	0.0000
7440484	EPA Emission Factor	8E-05	0	0.0000
75070	Stack Test	0	0	0.1
75569	Stack Test	0	0	0.101
7782492	EPA Emission Factor	2E-05	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 1 STARCH FLASH DRYER 40-4		
SCC:	30290003	Stack:	40-4	
	Food and Agriculture	Description:	1 STARCH FLASH DRYER 40-4	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	102	
Heat Content:	1000	Diameter:	6	
Sulfur Content:	0	Temperature:	110	
Ash Content:	0	Velocity:	28.16	
Throughput:	60.8 Million Cubic Feet	Gas Flow:	47773	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
50000	Stack Test	0	0	0.031
Group ID: 5502-3		Group Description:HAMMERMILL D/C 5502-3		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 13	Hours Per Year: 4453	
Process ID: 01		Process Description: HAMMERMILL D/C 5502-3		
SCC:	30201403	Stack:	5502-3	
	Food and Agriculture	Description:	HAMMERMILL D/C 5502-3	
	Starch Manufacturing	Stack Type:	Vertical	
	Grinding	Height:	15	
Heat Content:	0	Diameter:	2	
Sulfur Content:	0	Temperature:	100	
Ash Content:	0	Velocity:	29.7	
Throughput:	35668 Tons	Gas Flow:	5598	
Material:	Feed Material	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	99.5	0.92
PM25-FIL	EPA Speciation Profile	0	99.5	0.51
PM-CON	Engineering Judgement	0	99.5	0.13

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: 5502-5		Group Description:PELLET COOLER CYCL 5502-5		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 13	Hours Per Year: 4453	
Process ID: 01		Process Description: PELLET COOLER CYCL 5502-5		
SCC:	30201403	Stack:	5502-5	
	Food and Agriculture	Description:	PELLET COOLER CYCL 5502-5	
	Starch Manufacturing	Stack Type:	Vertical	
	Grinding	Height:	80	
Heat Content:	0	Diameter:	4.75	
Sulfur Content:	0	Temperature:	140	
Ash Content:	0	Velocity:	15	
Throughput:	35668 Tons	Gas Flow:	15900	
Material:	Finished Pellet	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Manufacturer Specification	0	99	1.09
PM25-FIL	EPA Speciation Profile	0	50	0.53
PM-CON	Engineering Judgement	0	99	0.16
Group ID: 5502-6		Group Description:GERM FLUID BED 5502-6		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 17	Hours Per Year: 6127	
Process ID: 01		Process Description: GERM FLUID BED 5502-6		
SCC:	30201401	Stack:	5502-6	
	Food and Agriculture	Description:	GERM FLUID BED 5502-6	
	Starch Manufacturing	Stack Type:	Vertical	
	Combined Operations	Height:	80	
Heat Content:	0	Diameter:	2	
Sulfur Content:	0	Temperature:	100	
Ash Content:	0	Velocity:	69	
Throughput:	27422 Tons	Gas Flow:	13000	
Material:	Grain	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	99	3.37
PM25-FIL	EPA Speciation Profile	0	50	1.63
PM-CON	Engineering Judgement	0	99	0.19

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: 5502-7		Group Description:RTO STACK 5502-7		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 19	Hours Per Year: 6699	
Process ID: 01		Process Description: BYPRODUCTS DUMP STACK SCR		
SCC:	30201403	Stack:	5502-7	
	Food and Agriculture	Description:	BPD RTO Stack	
	Starch Manufacturing	Stack Type:	Vertical	
	Grinding	Height:	95	
Heat Content:	0	Diameter:	7	
Sulfur Content:	0	Temperature:	300	
Ash Content:	0	Velocity:	34.1	
Throughput:	77520 Tons	Gas Flow:	78787	
Material:	Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	95	1.34
PM25-FIL	EPA Speciation Profile	0	95	0.51
PM-CON	Stack Test	0	95	13.07
SO2	Stack Test	0	60	0.0885
VOC	Stack Test	0	95	2.9185
107028	Stack Test	0	95	1.194
67561	Stack Test	0	95	0.817
75070	Stack Test	0	95	1.259
50000	Stack Test	0	95	0.171

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: BYPRODUCTS DUMP STACK SCR		
SCC:	30290003	Stack:	5502-7	
	Food and Agriculture	Description:	BPD RTO Stack	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	95	
Heat Content:	1000	Diameter:	7	
Sulfur Content:	0	Temperature:	300	
Ash Content:	0	Velocity:	34.1	
Throughput:	354.7 Million Cubic Feet	Gas Flow:	78787	
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	14.8974
NH3	EPA Emission Factor	3.2	0	0.5675
NOX	Stack Test	0	95	7.77
7439921	EPA Emission Factor	0.0005	0	0.0001
Group ID: 5503-1		Group Description: GLUTEN REC. D/C 5503-1		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 19	Hours Per Year: 6699	
Process ID: 01		Process Description: GLUTEN REC. D/C 5503-1		
SCC:	30201405	Stack:	5503-1	
	Food and Agriculture	Description:	GLUTEN REC. D/C 5503-1	
	Starch Manufacturing	Stack Type:	Vertical	
	Centrifuging	Height:	55	
Heat Content:	0	Diameter:	1.6	
Sulfur Content:	0	Temperature:	100	
Ash Content:	0	Velocity:	165.8	
Throughput:	14430 Tons	Gas Flow:	20000	
Material:	Meal	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Manufacturer Specification	0	99.5	2.73
PM25-FIL	EPA Speciation Profile	0	99.5	1.49
PM-CON	Engineering Judgement	0	99.5	0.32

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: 5503-2		Group Description:LOADOUT D/C 5503-2		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25 Fall: 25
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 19 Hours Per Year: 6699
Process ID: 01		Process Description: LOADOUT D/C 5503-2		
SCC:	30201403	Stack:	5503-2	
	Food and Agriculture	Description:	LOAD OUT D/C 5503-2	
	Starch Manufacturing	Stack Type:	Vertical	
	Grinding	Height:	100	
Heat Content:	0	Diameter:	2	
Sulfur Content:	0	Temperature:	100	
Ash Content:	0	Velocity:	49.3	
Throughput:	77520 Tons	Gas Flow:	9300	
Material:	Feed Material	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Manufacturer Specification	0	99.5	0.24
PM25-FIL	EPA Speciation Profile	0	99.5	0.13
PM-CON	EPA Speciation Profile	0	99.98	0.15
Group ID: 5549-1		Group Description:1 SPRAY DRYER 5549-1		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25 Fall: 25
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 22 Hours Per Year: 7776

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 1 SPRAY DRYER 5549-1		
SCC:	30290003	Stack:	5549-1	
	Food and Agriculture	Description:	1 SPRAY DRYER 5549-1	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	80	
Heat Content:	1000	Diameter:	5	
Sulfur Content:	0	Temperature:	125	
Ash Content:	0	Velocity:	35.5	
Throughput:	68 Million Cubic Feet	Gas Flow:	41800	
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	Stack Test	0	0	2.4494
NH3	EPA Emission Factor	3.2	0	0.1088
NOX	EPA Emission Factor	100	0	3.4
PM10-FIL	Stack Test	0	99.99	11.6
PM25-FIL	EPA Speciation Profile	0	99.99	7.67
PM-CON	Stack Test	0	99.99	3.47
SO2	EPA Emission Factor	0.6	0	0.0204
VOC	Engineering Judgement	0	0	0.2275
107028	Stack Test	0	0	0.076
108883	EPA Emission Factor	0.0034	0	0.0001
110543	EPA Emission Factor	1.8	0	0.0612
67561	Stack Test	0	0	0.058
71432	EPA Emission Factor	0.0021	0	0.0001
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0001
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0000
7440473	EPA Emission Factor	0.0014	0	0.0000
7440484	EPA Emission Factor	8E-05	0	0.0000
75070	Stack Test	0	0	0.095
75569	Stack Test	0	0	0.051
7782492	EPA Emission Factor	2E-05	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 1 SPRAY DRYER 5549-1		
SCC:	30290003	Stack:	5549-1	
	Food and Agriculture	Description:	1 SPRAY DRYER 5549-1	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	80	
Heat Content:	1000	Diameter:	5	
Sulfur Content:	0	Temperature:	125	
Ash Content:	0	Velocity:	35.5	
Throughput:	68 Million Cubic Feet	Gas Flow:	41800	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
50000	Stack Test	0	0	0.054
Group ID: 554913		Group Description:AGGLOMERATOR 5549-13		

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 17	Hours Per Year: 5928	
Process ID: 01		Process Description: AGGLOMERATOR 5549-13		
SCC:	30290003	Stack:	554913	
	Food and Agriculture	Description:	AGGLOMERATOR 5549-13	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	80	
Heat Content:	1000	Diameter:	1	
Sulfur Content:	0	Temperature:	125	
Ash Content:	0	Velocity:	265.3	
Throughput:	10.8 Million Cubic Feet	Gas Flow:	12500	
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	0.4536
NH3	EPA Emission Factor	3.2	0	0.0173
NOX	EPA Emission Factor	100	0	0.54
PM10-FIL	Stack Test	0	99.5	1.85
PM25-FIL	EPA Speciation Profile	0	99.5	1.01
PM-CON	Stack Test	0	0	0.19
SO2	EPA Emission Factor	0.6	0	0.0032
VOC	EPA Emission Factor	5.5	0	0.0297
108883	EPA Emission Factor	0.0034	0	0.0000
110543	EPA Emission Factor	1.8	0	0.0097
71432	EPA Emission Factor	0.0021	0	0.0000
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0000
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0000
7440473	EPA Emission Factor	0.0014	0	0.0000
7440484	EPA Emission Factor	8E-05	0	0.0000
7782492	EPA Emission Factor	2E-05	0	0.0000
50000	EPA Emission Factor	0.075	0	0.0004

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: 5549-2	Group Description: 2 SPRAY DRYER 5549-2		
Percent Quarterly Throughput			
Winter: 25	Spring: 25	Summer: 25	Fall: 25
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 21	Hours Per Year: 7560

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 2 SPRAY DRYER 5549-2	
SCC:	30290003	Stack:	5549-2
	Food and Agriculture	Description:	2 SPRAY DRYER 5549-2
	Fuel Fired Equipment	Stack Type:	Vertical
	Natural Gas; Process Heaters	Height:	120
Heat Content:	1000	Diameter:	5
Sulfur Content:	0	Temperature:	125
Ash Content:	0	Velocity:	35.5
Throughput:	50.2 Million Cubic Feet	Gas Flow:	41800
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	Stack Test	0	0	2.3814
NH3	EPA Emission Factor	3.2	0	0.0803
NOX	EPA Emission Factor	100	0	2.51
PM10-FIL	Stack Test	0	80	5.34
PM25-FIL	EPA Speciation Profile	0	80	3.53
PM-CON	Stack Test	0	80	2.7
SO2	EPA Emission Factor	0.6	0	0.0151
VOC	Engineering Judgement	0	0	0.1708
107028	Stack Test	0	0	0.074
108883	EPA Emission Factor	0.0034	0	0.0001
110543	EPA Emission Factor	1.8	0	0.0452
67561	Stack Test	0	0	0.057
71432	EPA Emission Factor	0.0021	0	0.0001
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0001
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0000
7440473	EPA Emission Factor	0.0014	0	0.0000
7440484	EPA Emission Factor	8E-05	0	0.0000
75070	Stack Test	0	0	0.093
75569	Stack Test	0	0	0.022
7782492	EPA Emission Factor	2E-05	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 2 SPRAY DRYER 5549-2		
SCC:	30290003	Stack:	5549-2	
	Food and Agriculture	Description:	2 SPRAY DRYER 5549-2	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	120	
Heat Content:	1000	Diameter:	5	
Sulfur Content:	0	Temperature:	125	
Ash Content:	0	Velocity:	35.5	
Throughput:	50.2 Million Cubic Feet	Gas Flow:	41800	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
50000	Stack Test	0	0	0.053
Group ID: 5549-20		Group Description:FUG D/C LINE 2 5549-20		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 22	Hours Per Year: 7944	
Process ID: 01		Process Description: FUG D/C FOR LINE 2		
SCC:	30201422	Stack:	554920	
	Food and Agriculture	Description:	FUG D/C LINE 2 5549-20	
	Starch Manufacturing	Stack Type:	Vertical	
	Fugitive Emissions: Starch Packaging	Height:	81	
Heat Content:	0	Diameter:	2	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	57.3	
Throughput:	121 Tons	Gas Flow:	10800	
Material:	Starch	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	99.5	0.33
PM25-FIL	EPA Speciation Profile	0	99.5	0.18
PM-CON	Stack Test	0	99.5	0.29

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: 5549-21		Group Description:FUG D/C LINE 1 5549-21		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 22	Hours Per Year: 7944	
Process ID: 01		Process Description: FUG D/C FOR LINE 2		
SCC:	30201422	Stack:	554920	
	Food and Agriculture	Description:	FUG D/C LINE 2 5549-20	
	Starch Manufacturing	Stack Type:	Vertical	
	Fugitive Emissions: Starch Packaging	Height:	81	
Heat Content:	0	Diameter:	2	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	57.3	
Throughput:	205 Tons	Gas Flow:	10800	
Material:	Starch	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	99.5	0.57
PM25-FIL	EPA Speciation Profile	0	99.5	0.31
PM-CON	Stack Test	0	99.5	0.3
Group ID: 5549-28		Group Description:#3 SPRAY DRYER 5549-28		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 22	Hours Per Year: 7944	

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drovers St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 01		Process Description: #3 SPRAY DRYER		
SCC:	30290003	Stack:	5549_2	
	Food and Agriculture	Description:	#3 SPRAY DRYER 5549-28	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	135	
Heat Content:	1000	Diameter:	6	
Sulfur Content:	0	Temperature:	130	
Ash Content:	0	Velocity:	25.2	
Throughput:	92.4 Million Cubic Feet	Gas Flow:	42800	
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	3.8808
NH3	EPA Emission Factor	3.2	0	0.1478
NOX	EPA Emission Factor	100	0	4.62
PM10-FIL	Stack Test	0	95	11.39
PM25-FIL	EPA Speciation Profile	0	95	7.53
PM-CON	Stack Test	0	95	1.47
SO2	EPA Emission Factor	0.6	0	0.0277
VOC	Stack Test	0	0	0.316
107028	Stack Test	0	0	0.077
108883	EPA Emission Factor	0.0034	0	0.0002
110543	EPA Emission Factor	1.8	0	0.0832
67561	Stack Test	0	0	0.06
71432	EPA Emission Factor	0.0021	0	0.0001
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0001
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0001
7440473	EPA Emission Factor	0.0014	0	0.0001
7440484	EPA Emission Factor	8E-05	0	0.0000
75070	Stack Test	0	0	0.097
75569	Stack Test	0	0	0.04
7782492	EPA Emission Factor	2E-05	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 01		Process Description: #3 SPRAY DRYER		
SCC:	30290003	Stack:	5549_2	
	Food and Agriculture	Description:	#3 SPRAY DRYER 5549-28	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	135	
Heat Content:	1000	Diameter:	6	
Sulfur Content:	0	Temperature:	130	
Ash Content:	0	Velocity:	25.2	
Throughput:	92.4 Million Cubic Feet	Gas Flow:	42800	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
50000	Stack Test	0	0	0.056
Group ID: 56-1		Group Description: West Corn Dump		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 7	Hours Per Year: 2340	
Process ID: 56		Process Description: Corn Unloading		
SCC:	30201421	Stack:	56-1	
	Food and Agriculture	Description:	WEST CORN TR DUMP 56-1	
	Starch Manufacturing	Stack Type:	Horizontal	
	Fugitive Emissions: General	Height:	15	
Heat Content:	0	Diameter:	2.45	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	123.7	
Throughput:	376706 Tons	Gas Flow:	35000	
Material:	Grain	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	97	2.52
PM25-FIL	EPA Speciation Profile	0	97	1.38
PM-CON	Engineering Judgement	0	97	0.21

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: 56-2		Group Description: GRAIN ELEVATOR 56-2		
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: 8415
Process ID: 01		Process Description: GRAIN ELEVATOR 56-2		
SCC:	30201403	Stack:	24	
	Food and Agriculture	Description:	GRAIN ELEVATOR 56-2	
	Starch Manufacturing	Stack Type:	Vertical	
	Grinding	Height:	15	
Heat Content:	0	Diameter:	1.5	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	282.9	
Throughput:	376706 Tons	Gas Flow:	30000	
Material:	Grain	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	99.5	6.05
PM25-FIL	EPA Speciation Profile	0	99.5	3.32
PM-CON	Engineering Judgement	0	99.5	0.65
Group ID: 575-1		Group Description: 4 ST FLASH DRYER 575-1		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25 Fall: 25
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 10 Hours Per Year: 3546

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 4 ST FLASH DRYER 575-1		
SCC:	30290003	Stack:	575-1	
	Food and Agriculture	Description:	4 ST FLASH DRYER 575-1	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	82	
Heat Content:	1000	Diameter:	6	
Sulfur Content:	0	Temperature:	110	
Ash Content:	0	Velocity:	56.1	
Throughput:	90.5 Million Cubic Feet	Gas Flow:	95207	
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	3.801
NH3	EPA Emission Factor	3.2	0	0.1448
NOX	EPA Emission Factor	100	0	4.525
PM10-FIL	Stack Test	0	95	6.08
PM25-FIL	EPA Speciation Profile	0	95	4.02
PM-CON	Stack Test	0	95	0.54
SO2	EPA Emission Factor	0.6	0	0.0272
VOC	Engineering Judgement	0	0	0.249
107028	Stack Test	0	0	0.089
108883	EPA Emission Factor	0.0034	0	0.0002
110543	EPA Emission Factor	1.8	0	0.0814
67561	Stack Test	0	0	0.044
71432	EPA Emission Factor	0.0021	0	0.0001
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0001
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0000
7440473	EPA Emission Factor	0.0014	0	0.0001
7440484	EPA Emission Factor	8E-05	0	0.0000
75070	Stack Test	0	0	0.08
75569	Stack Test	0	0	0.001
7782492	EPA Emission Factor	2E-05	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 4 ST FLASH DRYER 575-1		
SCC:	30290003	Stack:	575-1	
	Food and Agriculture	Description:	4 ST FLASH DRYER 575-1	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	82	
Heat Content:	1000	Diameter:	6	
Sulfur Content:	0	Temperature:	110	
Ash Content:	0	Velocity:	56.1	
Throughput:	90.5 Million Cubic Feet	Gas Flow:	95207	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
50000	Stack Test	0	0	0.025
Group ID: 575-2		Group Description:5 ST FLASH DRYER 575-2		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 11	Hours Per Year: 3931	

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 5 ST FLASH DRYER 575-2		
SCC:	30290003	Stack:	575-2	
	Food and Agriculture	Description:	5 ST FLASH DRYER 575-2	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	119	
Heat Content:	1000	Diameter:	7.67	
Sulfur Content:	0	Temperature:	110	
Ash Content:	0	Velocity:	36.1	
Throughput:	94.7 Million Cubic Feet	Gas Flow:	100012	
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	3.9774
NH3	EPA Emission Factor	3.2	0	0.1515
NOX	EPA Emission Factor	100	0	4.735
PM10-FIL	Stack Test	0	95	6.34
PM25-FIL	EPA Speciation Profile	0	95	4.19
PM-CON	Stack Test	0	95	0.6
SO2	EPA Emission Factor	0.6	0	0.0284
VOC	Engineering Judgement	0	0	0.2605
107028	Stack Test	0	0	0.098
108883	EPA Emission Factor	0.0034	0	0.0002
110543	EPA Emission Factor	1.8	0	0.0852
67561	Stack Test	0	0	0.049
71432	EPA Emission Factor	0.0021	0	0.0001
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0001
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0001
7440473	EPA Emission Factor	0.0014	0	0.0001
7440484	EPA Emission Factor	8E-05	0	0.0000
75070	Stack Test	0	0	0.088
75569	Stack Test	0	0	0
7782492	EPA Emission Factor	2E-05	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 5 ST FLASH DRYER 575-2		
SCC:	30290003	Stack:	575-2	
	Food and Agriculture	Description:	5 ST FLASH DRYER 575-2	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	119	
Heat Content:	1000	Diameter:	7.67	
Sulfur Content:	0	Temperature:	110	
Ash Content:	0	Velocity:	36.1	
Throughput:	94.7 Million Cubic Feet	Gas Flow:	100012	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
50000	Stack Test	0	0	0.028
Group ID: 575-3		Group Description:6 ST FLASH DRYER 575-3		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 8	Hours Per Year: 2802	

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 6 ST FLASH DRYER 575-3		
SCC:	30290003	Stack:	575-3	
	Food and Agriculture	Description:	6 ST FLASH DRYER 575-3	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	112	
Heat Content:	1000	Diameter:	7.67	
Sulfur Content:	0	Temperature:	110	
Ash Content:	0	Velocity:	31.6	
Throughput:	66.5 Million Cubic Feet	Gas Flow:	87700	
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	2.793
NH3	EPA Emission Factor	3.2	0	0.1064
NOX	EPA Emission Factor	100	0	3.325
PM10-FIL	Stack Test	0	99	4.95
PM25-FIL	EPA Speciation Profile	0	99	3.27
PM-CON	Stack Test	0	99	0.43
SO2	EPA Emission Factor	0.6	0	0.0200
VOC	Engineering Judgement	0	0	0.198
107028	Stack Test	0	0	0.07
108883	EPA Emission Factor	0.0034	0	0.0001
110543	EPA Emission Factor	1.8	0	0.0598
67561	Stack Test	0	0	0.035
71432	EPA Emission Factor	0.0021	0	0.0001
7439921	EPA Emission Factor	0.0005	0	0.0000
7439965	EPA Emission Factor	0.00038	0	0.0000
7439976	EPA Emission Factor	0.00026	0	0.0000
7440020	EPA Emission Factor	0.0021	0	0.0001
7440382	EPA Emission Factor	0.0002	0	0.0000
7440417	EPA Emission Factor	1E-05	0	0.0000
7440439	EPA Emission Factor	0.0011	0	0.0000
7440473	EPA Emission Factor	0.0014	0	0.0000
7440484	EPA Emission Factor	8E-05	0	0.0000
75070	Stack Test	0	0	0.063
75569	Stack Test	0	0	0.003
7782492	EPA Emission Factor	2E-05	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Process ID: 02		Process Description: 6 ST FLASH DRYER 575-3		
SCC:	30290003	Stack:	575-3	
	Food and Agriculture	Description:	6 ST FLASH DRYER 575-3	
	Fuel Fired Equipment	Stack Type:	Vertical	
	Natural Gas: Process Heaters	Height:	112	
Heat Content:	1000	Diameter:	7.67	
Sulfur Content:	0	Temperature:	110	
Ash Content:	0	Velocity:	31.6	
Throughput:	66.5 Million Cubic Feet	Gas Flow:	87700	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
50000	Stack Test	0	0	0.02
Group ID: 577-2		Group Description:RSP N PACK LINE 577-2		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 6	Weeks Per Year: 52	Hours Per Day: 15	Hours Per Year: 5100	
Process ID: 01		Process Description: RSP N PACK LINE 577-2		
SCC:	30201407	Stack:	577-2	
	Food and Agriculture	Description:	RSP N PACK LINE 577-2	
	Starch Manufacturing	Stack Type:	Downward-Facing Vent	
	Starch Storage Bin	Height:	52	
Heat Content:	1	Diameter:	1.5	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	72.6	
Throughput:	32252 Tons	Gas Flow:	7700	
Material:	Starch	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Stack Test	0	99.5	1.16
PM25-FIL	EPA Speciation Profile	0	99.5	0.63
PM-CON	Stack Test	0	99.5	0.2

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

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Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: 71-7		Group Description:DSW PK FUG DUST COL 71-7		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25 Fall: 25
Days Per Week: 6		Weeks Per Year: 52		Hours Per Day: 11 Hours Per Year: 3670
Process ID: 01		Process Description: DSW PK FUG DUST COL 71-7		
SCC:	30201401	Stack:	71-7	
	Food and Agriculture	Description:	DWS PK FUG DUST COL 71-7	
	Starch Manufacturing	Stack Type:	Vertical	
	Combined Operations	Height:	50	
Heat Content:	0	Diameter:	2	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	63.7	
Throughput:	938 Tons	Gas Flow:	12000	
Material:	Starch	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	99.9	0.55
PM25-FIL	EPA Speciation Profile	0	99.9	0.3
PM-CON	Engineering Judgement	0	99.9	0.11
Group ID: T34031		Group Description:DSW Bin 31 T34031		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25 Fall: 25
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 11 Hours Per Year: 3804
Process ID: DSW		Process Description: DSW Bin 31		
SCC:	30201407	Stack:	S34031	
	Food and Agriculture	Description:	DSW Bin 31	
	Starch Manufacturing	Stack Type:	Vertical	
	Starch Storage Bin	Height:	60	
Heat Content:	0	Diameter:	1	
Sulfur Content:	0	Temperature:	72	
Ash Content:	0	Velocity:	41.67	
Throughput:	2349 Tons	Gas Flow:	2000	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Manufacturer Specification	0	99.99	0.35
PM25-FIL	EPA Speciation Profile	0	99.99	0.19
PM-CON	EPA Speciation Profile	0	99.99	0.02

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

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Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: T34032		Group Description:DSW Bin 32 T34032		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 11	Hours Per Year: 3804	
Process ID: DSW		Process Description: DSW Bin 32		
SCC:	30201407	Stack:	S34032	
	Food and Agriculture	Description:	DSW Bin 32	
	Starch Manufacturing	Stack Type:	Vertical	
	Starch Storage Bin	Height:	60	
Heat Content:	0	Diameter:	1	
Sulfur Content:	0	Temperature:	72	
Ash Content:	0	Velocity:	41.67	
Throughput:	2349 Tons	Gas Flow:	2000	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Manufacturer Specification	0	99.99	0.35
PM25-FIL	EPA Speciation Profile	0	99.99	0.19
PM-CON	EPA Speciation Profile	0	99.99	0.02
Group ID: T34033		Group Description:DSW Bin 33 T34033		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 11	Hours Per Year: 3670	
Process ID: DSW		Process Description: DSW Bin 33		
SCC:	30201407	Stack:	S34033	
	Food and Agriculture	Description:	DSW Bin 33	
	Starch Manufacturing	Stack Type:	Vertical	
	Starch Storage Bin	Height:	60	
Heat Content:	0	Diameter:	1	
Sulfur Content:	0	Temperature:	72	
Ash Content:	0	Velocity:	41.67	
Throughput:	3445 Tons	Gas Flow:	2000	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Manufacturer Specification	0	99.99	0.51
PM25-FIL	EPA Speciation Profile	0	99.99	0.28
PM-CON	EPA Speciation Profile	0	99.99	0.02

Facility Emission Detail

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Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: T34034		Group Description: DSW Bin 34 T34034		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25 Fall: 25
Days Per Week: 6		Weeks Per Year: 52		Hours Per Day: 11 Hours Per Year: 3670
Process ID: DSW		Process Description: DSW Bin 34		
SCC:	30201407	Stack:	S34034	
	Food and Agriculture	Description:	DSW Bin 34	
	Starch Manufacturing	Stack Type:	Vertical	
	Starch Storage Bin	Height:	60	
Heat Content:	0	Diameter:	1	
Sulfur Content:	0	Temperature:	72	
Ash Content:	0	Velocity:	41.67	
Throughput:	3445 Tons	Gas Flow:	2000	
Material:	Product	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Manufacturer Specification	0	99.99	0.51
PM25-FIL	EPA Speciation Profile	0	99.99	0.28
PM-CON	EPA Speciation Profile	0	99.99	0.02
Group ID: TR31913		Group Description: FBR1 PCS TR31913		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25 Fall: 25
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 9 Hours Per Year: 3174
Process ID: P39396		Process Description: FBR1 Cooling System		
SCC:	30201401	Stack:	15-158	
	Food and Agriculture	Description:	FBR2 Cooling TR31923	
	Starch Manufacturing	Stack Type:	Horizontal	
	Combined Operations	Height:	41	
Heat Content:	0	Diameter:	1.67	
Sulfur Content:	0	Temperature:	255	
Ash Content:	0	Velocity:	30.6	
Throughput:	2997 Tons	Gas Flow:	4022	
Material:	Starch	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	99.9	0.34
PM25-FIL	EPA Speciation Profile	0	99.9	0.19
PM-CON	Engineering Judgement	0	99.9	0.16

Facility Emission Detail

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Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: TR3191912		Group Description: FBR1		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 17	Hours Per Year: 4176	
Process ID: FBR1		Process Description: FBR1		
SCC:	30290003	Stack:	5-158	
	Food and Agriculture	Description:	FBR1 TR31912	
	Fuel Fired Equipment	Stack Type:	Horizontal	
	Natural Gas: Process Heaters	Height:	75	
Heat Content:	1000	Diameter:	1.67	
Sulfur Content:	0	Temperature:	350	
Ash Content:	0	Velocity:	33.6	
Throughput:	21.3 Million Cubic Feet	Gas Flow:	4416	
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	0.8946
NH3	EPA Emission Factor	3.2	0	0.0341
NOX	EPA Emission Factor	100	0	1.065
PM10-FIL	Engineering Judgement	0	0	0.54
PM25-FIL	EPA Speciation Profile	0	0	0.3
PM-CON	Engineering Judgement	0	0	0.09
SO2	EPA Emission Factor	0.6	0	0.0064
VOC	EPA Emission Factor	5.5	0	0.0586
7439921	EPA Emission Factor	0.0005	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

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Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: TR31922		Group Description: FBR2		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25 Fall: 25
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 15 Hours Per Year: 5112
Process ID: TR3192		Process Description: FBR2		
SCC:	30290003	Stack:	14-158	
	Food and Agriculture	Description:	FBR2 TR31922	
	Fuel Fired Equipment	Stack Type:	Horizontal	
	Natural Gas: Process Heaters	Height:	91	
Heat Content:	0	Diameter:	1.67	
Sulfur Content:	0	Temperature:	350	
Ash Content:	0	Velocity:	30.6	
Throughput:	19.4 Million Cubic Feet	Gas Flow:	4022	
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	0.8148
NH3	EPA Emission Factor	3.2	0	0.0310
NOX	EPA Emission Factor	100	0	0.97
PM10-FIL	Engineering Judgement	0	0	0.65
PM25-FIL	EPA Speciation Profile	0	0	0.35
PM-CON	Engineering Judgement	0	0	0.08
SO2	EPA Emission Factor	0.6	0	0.0058
VOC	EPA Emission Factor	5.5	0	0.0534
7439921	EPA Emission Factor	0.0005	0	0.0000

Facility Emission Detail

Ingredion Incorporated Indianapolis Pla

Plant ID:1809700042

Report for 2023

Location: 1515 S Drover St,Indianapolis,46221

NAICS: 311221 Wet Corn Milling

Group ID: TR31923		Group Description: FBR2 Cooling		
Percent Quarterly Throughput				
Winter: 25		Spring: 25		Summer: 25
				Fall: 25
Days Per Week: 7		Weeks Per Year: 52		Hours Per Day: 15
				Hours Per Year: 5112
Process ID: TR3192		Process Description: FBR2 Cooling		
SCC:	30201401	Stack:	15-158	
	Food and Agriculture	Description:	FBR2 Cooling TR31923	
	Starch Manufacturing	Stack Type:	Horizontal	
	Combined Operations	Height:	41	
Heat Content:	0	Diameter:	1.67	
Sulfur Content:	0	Temperature:	255	
Ash Content:	0	Velocity:	30.6	
Throughput:	10510 Tons	Gas Flow:	4022	
Material:	Starch	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	99.99	0.46
PM25-FIL	EPA Speciation Profile	0	99.99	0.25
PM-CON	Engineering Judgement	0	99.99	0.06