



Cummins Inc. – Columbus Engine Plant
500 Central Avenue
Columbus, Indiana 47201

June 21, 2024

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

RE: Emission Statement
Source ID: 005-00015
Title V Operating Permit No. 005-47579-00015

To Whom It May Concern:

Please find enclosed the Reporting Year 2023 Emission Statement for Cummins Inc. – Columbus Engine Plant (CEP). Pursuant to Title V Operating Permit No. 005-47579-00015, Condition C.15, CEP is submitting this report covering emissions from 1/1/2023 to 12/31/2023.

Please find enclosed the following documents:

1. Signed Air Emission Statement Certification (Form AES-01)
2. Emission Detail Report

This emission statement was prepared using the Emission Inventory Tracking System (EMITS), and all data reported on the enclosed documents has been entered into EMITS.

Please do not hesitate to contact me with any questions, comments, or concerns regarding this report at: Nick.Hosteng@Cummins.com or 317-649-0250.

Sincerely,

Nick Hosteng
CEP Environmental Manager

Enclosure

Recieved
JUN 27 2024
State of Indiana



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/>

Received

JUN 27 2024



Instructions:

- This is a required form for each air emission statement as well as any modifications.
- The certificate 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 2-7-1 (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: Cummins Inc. Columbus Engine Plant | | 2. Source ID: 180050001 |
| 3. Mailing Address: 500 Central Avenue | | |
| City: Columbus | State: IN | ZIP Code: 47201-6319 |
| 4. Name of Emission Statement Preparer: Nick Hosteng | | |
| 5. Title of Emission Statement Preparer: (optional): CEP Environmental Manager | | |
| 6. Telephone Number: (317) 649-0250 | | 7. Facsimile Number (optional): |
| 8. Electronic Mail Address (optional): nick.hosteng@cummins.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 |
|---|--------------|
| Carbon Monoxide (CO) | 12.18 |
| Lead (PB) | 0.0000 |
| Nitrogen Dioxide (NO2) | 24.24 |
| Particulate Matter <10 Microns (PM10) | 2.95 |
| Sulfur Dioxide (SO2) | 2.71 |
| Volatile Organic Compounds (VOC) | 3.53 |

| Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide) | Tons Emitted |
|---|--------------|
| Tetrachloroethylene (Perc) (CAS#127184) | |
| Chlorine (CAS# 7782505) | |
| Hydrochloric Acid (CAS# 7647010) | |
| Hydrofluoric Acid (CAS# 7664393) | |
| Methyl Chloroform or 1,1,1-Trichloroethane (CAS# 71556) | |
| Methylene Chloride or Dichloromethane (CAS# 75092) | |
| Phosphine (CAS# 7803512) | |
| Mercury and Mercury Compounds (CAS#7439976 and TRI ID N458) | |

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

Kyle Lewandowski
 Name of Responsible Official (typed or printed)

CEP Site Leader
 Title of Responsible Official

Signature of Responsible Official

JUNE 20, 2024
 Date (month, day, year)

Facility Emission Detail

Cummins Inc Columbus Engine Plant

Plant ID:1800500015

Report for 2023

Location: 500 Central Ave,Columbus,47201

NAICS: 333618 Other Engine Equipment Manufacturing

| Facility Emissions Overview | | |
|-----------------------------|--|------------------|
| Pollutant | Pollutant Description | Emissions (Tons) |
| NH3 | Ammonia | 0.1270 |
| CO | Carbon Monoxide | 12.1753 |
| 7439921 | Lead | 0.0000 |
| NOX | Nitrogen Oxides | 24.2363 |
| PM-CON | Primary PM Condensable Only (All Less Than 1 Micron) | 3.1018 |
| PM10-FIL | Primary PM10, Filterable Portion Only | 2.9469 |
| PM25-FIL | Primary PM2.5, Filterable Portion Only | 2.9467 |
| SO2 | Sulfur Dioxide | 2.7067 |
| VOC | Volatile Organic Compounds | 3.5312 |

| Group ID: 003 | | Group Description:ENGINE TEST CELLS | | |
|-------------------------------------|-------------------------------|--|-------------------------------|-----------------|
| Percent Quarterly Throughput | | | | |
| Winter: 25 | Spring: 25 | Summer: 25 | Fall: 25 | |
| Days Per Week: 5 | Weeks Per Year: 52 | Hours Per Day: 8 | Hours Per Year: 2000 | |
| Process ID: 01 | | Process Description: TEST CELLS | | |
| SCC: | 20400402 | Stack: | 01 | |
| | Engine Testing | Description: | ENGINE TEST CELLS | |
| | Reciprocating Engine | Stack Type: | Vertical | |
| | Diesel/Kerosene | Height: | 50 | |
| Heat Content: | 1 | Diameter: | 0.5 | |
| Sulfur Content: | 0.05 | Temperature: | 800 | |
| Ash Content: | 0 | Velocity: | 254.65 | |
| Throughput: | 133.418 1000 Gallons | Gas Flow: | 3000 | |
| Material: | Diesel/Kerosene | Input/Output: | Process Material Used (Input) | |
| Pollutant | Emission Method | Emission Factor | Overall Ctrl Efficiency | Emissions(Tons) |
| CO | EPA Emission Factor | 130 | 0 | 8.6722 |
| PM10-FIL | EPA Emission Factor | 42.5 | 0 | 2.8351 |
| PM25-FIL | EPA Emission Factor | 42.5 | 0 | 2.8351 |
| SO2 | EPA Emission Factor | 39.7 | 0 | 2.6483 |
| VOC | State/Local Emission Factor | 49 | 0 | 3.2687 |
| NOX | Site-Specific Emission Factor | 297 | 0 | 19.8126 |
| PM-CON | Site-Specific Emission Factor | 42.5 | 0 | 2.8351 |

Facility Emission Detail

Cummins Inc Columbus Engine Plant

Plant ID:1800500015

Report for 2023

Location: 500 Central Ave,Columbus,47201

NAICS: 333618 Other Engine Equipment Manufacturing

| | | | | |
|-------------------------------------|----------------------------|--|--------------------------------|------------------------|
| Group ID: 004 | | Group Description: FACILITY NATURAL GAS UNITS | | |
| Percent Quarterly Throughput | | | | |
| Winter: 45 | Spring: 5 | Summer: 5 | Fall: 45 | |
| Days Per Week: 7 | Weeks Per Year: 52 | Hours Per Day: 24 | Hours Per Year: 8760 | |
| Process ID: 02 | | Process Description: BOILERS/AHUs | | |
| SCC: | 10200602 | Stack: | 4 | |
| | Industrial | Description: | FACILITY NATURAL GAS UNITS | |
| | Natural Gas | Stack Type: | Vertical | |
| | 10-100 Million Btu/hr | Height: | 89 | |
| Heat Content: | 57 | Diameter: | 4.3 | |
| Sulfur Content: | 0 | Temperature: | 400 | |
| Ash Content: | 0 | Velocity: | 13.5 | |
| Throughput: | 78.5667 Million Cubic Feet | Gas Flow: | 11750 | |
| 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 | 3.2998 |
| NH3 | EPA Emission Factor | 3.2 | 0 | 0.1257 |
| NOX | EPA Emission Factor | 100 | 0 | 3.9283 |
| PM10-FIL | EPA Emission Factor | 1.9 | 0 | 0.0746 |
| PM25-FIL | EPA Emission Factor | 1.9 | 0 | 0.0746 |
| PM-CON | EPA Emission Factor | 5.7 | 0 | 0.2239 |
| SO2 | EPA Emission Factor | 0.6 | 0 | 0.0236 |
| VOC | EPA Emission Factor | 5.5 | 0 | 0.2161 |
| 7439921 | EPA Emission Factor | 0.0005 | 0 | 0.0000 |
| 7439976 | EPA Emission Factor | 0.00026 | 0 | 0.0000 |

Facility Emission Detail

Cummins Inc Columbus Engine Plant

Plant ID:1800500015

Report for 2023

Location: 500 Central Ave,Columbus,47201

NAICS: 333618 Other Engine Equipment Manufacturing

| | | | | |
|-------------------------------------|-------------------------------|---|--------------------------------|------------------------|
| Group ID: 005 | | Group Description:EMERGENCY GENERATORS >600 HP | | |
| Percent Quarterly Throughput | | | | |
| Winter: 5 | Spring: 10 | Summer: 76 | Fall: 9 | |
| Days Per Week: 7 | Weeks Per Year: 52 | Hours Per Day: 24 | Hours Per Year: 500 | |
| Process ID: 03 | | Process Description: EMERGENCY GENERATORS >600 HP | | |
| SCC: | 10100501 | Stack: | 0 | |
| | Electric Generation | Description: | No Stack Associated | |
| | Distillate Oil | Stack Type: | Fugitive | |
| | Grades 1 and 2 Oil | Height: | 0 | |
| Heat Content: | 25.86 | Diameter: | 0 | |
| Sulfur Content: | 0 | Temperature: | 0 | |
| Ash Content: | 0 | Velocity: | 0 | |
| Throughput: | 1.928 1000 Gallons | Gas Flow: | 0 | |
| Material: | Distillate Oil (No. 1 & 2) | Input/Output: | Process Material Used (Input) | |
| Pollutant | Emission Method | Emission Factor | Overall Ctrl Efficiency | Emissions(Tons) |
| 91203 | EPA Emission Factor | 0.00033 | 0 | 0.0000 |
| NH3 | EPA Emission Factor | 0.8 | 0 | 0.0008 |
| 7439921 | EPA Emission Factor | 0.00125 | 0 | 0.0000 |
| 7439965 | EPA Emission Factor | 0.00083 | 0 | 0.0000 |
| 7439976 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |
| 7440020 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |
| 7440382 | EPA Emission Factor | 0.00056 | 0 | 0.0000 |
| 7440417 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |
| 7440439 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |
| 7440473 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |
| 7782492 | EPA Emission Factor | 0.00209 | 0 | 0.0000 |
| CO | Site-Specific Emission Factor | 116 | 0 | 0.1118 |
| NOX | Site-Specific Emission Factor | 297 | 0 | 0.2863 |
| PM10-FIL | Site-Specific Emission Factor | 7.85 | 0 | 0.0076 |
| PM25-FIL | Site-Specific Emission Factor | 7.62 | 0 | 0.0073 |
| PM-CON | Site-Specific Emission Factor | 13.7 | 0 | 0.0132 |
| SO2 | Site-Specific Emission Factor | 6.92 | 0 | 0.0067 |
| VOC | Site-Specific Emission Factor | 12.3 | 0 | 0.0119 |

Facility Emission Detail

Cummins Inc Columbus Engine Plant

Plant ID:1800500015

Report for 2023

Location: 500 Central Ave,Columbus,47201

NAICS: 333618 Other Engine Equipment Manufacturing

| | | | | |
|-------------------------------------|-------------------------------|--|--------------------------------|----------------------------|
| Group ID: 005a | | Group Description: EMERGENCY GENERATORS < 600 HP | | |
| Percent Quarterly Throughput | | | | |
| Winter: 5 | | Spring: 10 | | Summer: 76 |
| | | | | Fall: 9 |
| Days Per Week: 7 | | Weeks Per Year: 52 | | Hours Per Day: 24 |
| | | | | Hours Per Year: 500 |
| Process ID: 02 | | Process Description: EMERGENCY GENERATORS <600 HP | | |
| SCC: | 10100501 | Stack: | 0 | |
| | Electric Generation | Description: | No Stack Associated | |
| | Distillate Oil | Stack Type: | Fugitive | |
| | Grades 1 and 2 Oil | Height: | 0 | |
| Heat Content: | 25.86 | Diameter: | 0 | |
| Sulfur Content: | 0 | Temperature: | 0 | |
| Ash Content: | 0 | Velocity: | 0 | |
| Throughput: | 1.4079 1000 Gallons | Gas Flow: | 0 | |
| Material: | Distillate Oil (No. 1 & 2) | Input/Output: | Process Material Used (Input) | |
| Pollutant | Emission Method | Emission Factor | Overall Ctrl Efficiency | Emissions(Tons) |
| 7440473 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |
| 7782492 | EPA Emission Factor | 0.00209 | 0 | 0.0000 |
| CO | Site-Specific Emission Factor | 130 | 0 | 0.0915 |
| NOX | Site-Specific Emission Factor | 297 | 0 | 0.2091 |
| PM10-FIL | Site-Specific Emission Factor | 42 | 0 | 0.0296 |
| PM25-FIL | Site-Specific Emission Factor | 42 | 0 | 0.0296 |
| PM-CON | Site-Specific Emission Factor | 42 | 0 | 0.0296 |
| SO2 | Site-Specific Emission Factor | 40 | 0 | 0.0282 |
| VOC | Site-Specific Emission Factor | 49 | 0 | 0.0345 |
| 91203 | EPA Emission Factor | 0.00033 | 0 | 0.0000 |
| NH3 | EPA Emission Factor | 0.8 | 0 | 0.0006 |
| 7439921 | EPA Emission Factor | 0.00125 | 0 | 0.0000 |
| 7439965 | EPA Emission Factor | 0.00083 | 0 | 0.0000 |
| 7439976 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |
| 7440020 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |
| 7440382 | EPA Emission Factor | 0.00056 | 0 | 0.0000 |
| 7440417 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |
| 7440439 | EPA Emission Factor | 0.00042 | 0 | 0.0000 |