



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: Rolls Royce Corporation		2. Source ID: 1809700311	
3. Mailing Address:			
City:	State:	ZIP Code:	
4. Name of Emission Statement Preparer: Laura		Groom	
5. Title of Emission Statement Preparer (optional):		HSE Manager	
6. Telephone Number: (317)-508-845		7. Facsimile Number (optional):	
8. Electronic Mail Address (optional):		laura.groom@rolls-royce.com	

**Part B: Emissions Summary**

Part B is intended to aid in the review of data and to collect information about billable hazardous air pollutants

Emissions Statement Pollutants (Plant Wide)	Tons Emitted
Ammonia	0.9402
Carbon Monoxide (CO)	28.8512
Condensable Particulate Matter (PM-CON)	1.6983
Filterable Particulate Matter <10 Microns (PM10-FIL)	2.8822
Lead (PB)	0.0001
Nitrogen Dioxide (NO2)	26.4443
Primary PM2.5, Filterable Portion Only	2.7824
Sulfur Dioxide (SO2)	5.2019
Volatile Organic Compounds (VOC)	8.8976
<b>Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)</b>	<b>Tons Emitted</b>
Tetrachloroethylene (Perc) (CAS#127184)	1.2300

**Recieved**  
 JUN 24 2024  
**State of Indiana**

**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.

WARREN WHITE  
 Name of Responsible Official (typed or printed)

HEAD OF ASSEMBLY & TEST US DEFENSE  
 Title of Responsible Official

Signature of Responsible Official

JUNE 13, 2024  
 Date (month, day, year)

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	0.9402
CO	Carbon Monoxide	28.8512
7439921	Lead	0.0001
NOX	Nitrogen Oxides	26.4443
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	1.6983
PM10-FIL	Primary PM10, Filterable Portion Only	2.8822
PM25-FIL	Primary PM2.5, Filterable Portion Only	2.7824
SO2	Sulfur Dioxide	5.2019
VOC	Volatile Organic Compounds	8.8976

<b>Group ID: 007</b>		<b>Group Description:MINERAL SPIRITS-PLANTWIDE</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 25</b>	<b>Spring: 25</b>	<b>Summer: 25</b>	<b>Fall: 25</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24</b>	<b>Hours Per Year: 8760</b>	
<b>Process ID: 01</b>		<b>Process Description: MINERAL SPIRITS-PLANTWIDE</b>		
<b>SCC:</b>	40100303	<b>Stack:</b>	2	
	Organic Solvent Evaporation	<b>Description:</b>	MINERAL SPIRITS-PLANTWIDE	
	Cold Solvent Cleaning/Stripping	<b>Stack Type:</b>	Fugitive	
	Stoddard (Petroleum Solvent)	<b>Height:</b>	0	
<b>Heat Content:</b>	1	<b>Diameter:</b>	0	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0	
<b>Ash Content:</b>	0	<b>Velocity:</b>	0	
<b>Throughput:</b>	1.23 Tons	<b>Gas Flow:</b>	0	
<b>Material:</b>	Solvent	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
VOC	EPA Emission Factor	2000	0	1.23
100414	CEMS - Continuous Emission Monitoring System	0	0	0

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID:</b> 013		<b>Group Description:</b> WOODWORKING OPERATIONS 5		
<b>Percent Quarterly Throughput</b>				
<b>Winter:</b> 25	<b>Spring:</b> 25	<b>Summer:</b> 25	<b>Fall:</b> 25	
<b>Days Per Week:</b> 7	<b>Weeks Per Year:</b> 52	<b>Hours Per Day:</b> 24 <b>Hours Per Year:</b> 8760		
<b>Process ID:</b> 01		<b>Process Description:</b> WOODWORKING OPERATIONS		
<b>SCC:</b>	30700808	<b>Stack:</b>	013	
	Pulp and Paper and Wood Products	<b>Description:</b>	WOODWORKING OPERATIONS 5	
	Sawmill Operations	<b>Stack Type:</b>	Vertical	
	Other Cyclones: Exhaust	<b>Height:</b>	10	
<b>Heat Content:</b>	1	<b>Diameter:</b>	1.3	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	77	
<b>Ash Content:</b>	0	<b>Velocity:</b>	125.56	
<b>Throughput:</b>	331 Hour	<b>Gas Flow:</b>	10000	
<b>Material:</b>	Equipment	<b>Input/Output:</b>	Process Material Produced (Outut)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
PM10-FIL	EPA Emission Factor	0.8	84.15	0.0210
PM25-FIL	EPA Emission Factor	0.4	84.15	0.0105

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 016</b>		<b>Group Description: TEST CELLS PLANT 5</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 21</b>	<b>Spring: 26</b>	<b>Summer: 24</b>	<b>Fall: 29</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24</b>	<b>Hours Per Year: 8760</b>	
<b>Process ID: 01</b>		<b>Process Description: TEST CELLS DF-2</b>		
<b>SCC:</b>	20400302	<b>Stack:</b>	7	
	Engine Testing	<b>Description:</b>	TEST CELLS PLANT 5	
	Turbine	<b>Stack Type:</b>	Fugitive	
	Diesel/Kerosene	<b>Height:</b>	0	
<b>Heat Content:</b>	137	<b>Diameter:</b>	0	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0	
<b>Ash Content:</b>	0	<b>Velocity:</b>	0	
<b>Throughput:</b>	0 1000 Gallons	<b>Gas Flow:</b>	0	
<b>Material:</b>	Diesel/Kerosene	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	6.72	0	0
NOX	EPA Emission Factor	97.7	0	0
PM10-FIL	EPA Emission Factor	0.57	0	0
PM25-FIL	EPA Emission Factor	0.54	0	0
PM-CON	EPA Emission Factor	1	0	0
SO2	EPA Emission Factor	140	0	0
VOC	EPA Emission Factor	2.38	0	0

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

Process ID: 02		Process Description: TEST CELLS NATURAL GAS		
<b>SCC:</b>	20400301	<b>Stack:</b>	7	
	Engine Testing	<b>Description:</b>	TEST CELLS PLANT 5	
	Turbine	<b>Stack Type:</b>	Fugitive	
	Natural Gas	<b>Height:</b>	0	
<b>Heat Content:</b>	1000	<b>Diameter:</b>	0	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0	
<b>Ash Content:</b>	0	<b>Velocity:</b>	0	
<b>Throughput:</b>	0 Million Cubic Feet	<b>Gas Flow:</b>	0	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	120	0	0
NOX	EPA Emission Factor	300	0	0
PM10-FIL	EPA Emission Factor	14	0	0
PM25-FIL	EPA Emission Factor	14	0	0
PM-CON	EPA Emission Factor	4.794	0	0
SO2	EPA Emission Factor	0.6	0	0
VOC	EPA Emission Factor	6.9	0	0
Process ID: 03		Process Description: TEST CELLS JET FUEL		
<b>SCC:</b>	20400102	<b>Stack:</b>	7	
	Engine Testing	<b>Description:</b>	TEST CELLS PLANT 5	
	Aircraft Engine Testing	<b>Stack Type:</b>	Fugitive	
	Turboshaft	<b>Height:</b>	0	
<b>Heat Content:</b>	135	<b>Diameter:</b>	0	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0	
<b>Ash Content:</b>	0	<b>Velocity:</b>	0	
<b>Throughput:</b>	119.4 1000 Gallons	<b>Gas Flow:</b>	0	
<b>Material:</b>	Fuel	<b>Input/Output:</b>	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	32.7	0	1.9522
NOX	EPA Emission Factor	14.6	0	0.8716
PM10-FIL	EPA Emission Factor	11.3	0	0.6746
PM25-FIL	EPA Emission Factor	10.6	0	0.6328
SO2	EPA Emission Factor	13	0	0.7761
VOC	EPA Emission Factor	46	0	2.7462

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 017</b>		<b>Group Description: TEST CELLS PLANT 8</b>			
<b>Percent Quarterly Throughput</b>					
<b>Winter: 9</b>		<b>Spring: 8</b>		<b>Summer: 18</b>	
				<b>Fall: 65</b>	
<b>Days Per Week: 7</b>		<b>Weeks Per Year: 52</b>		<b>Hours Per Day: 24</b>	
				<b>Hours Per Year: 8760</b>	
<b>Process ID: 01</b>		<b>Process Description: TEST CELLS DF-2</b>			
<b>SCC:</b>	20400302	<b>Stack:</b>	17		
	Engine Testing	<b>Description:</b>	TEST CELLS PLANT 8		
	Turbine	<b>Stack Type:</b>	Fugitive		
	Diesel/Kerosene	<b>Height:</b>	0		
<b>Heat Content:</b>	137	<b>Diameter:</b>	0		
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0		
<b>Ash Content:</b>	0	<b>Velocity:</b>	0		
<b>Throughput:</b>	0 1000 Gallons	<b>Gas Flow:</b>	0		
<b>Material:</b>	Diesel/Kerosene	<b>Input/Output:</b>	Process Material Used (Input)		
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>	
CO	EPA Emission Factor	6.72	0	0	
NOX	EPA Emission Factor	97.7	0	0	
PM10-FIL	EPA Emission Factor	0.57	0	0	
PM25-FIL	EPA Emission Factor	0.54	0	0	
PM-CON	EPA Emission Factor	1	0	0	
SO2	EPA Emission Factor	140	0	0	
VOC	EPA Emission Factor	2.38	0	0	

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

Process ID: 02		Process Description: TEST CELLS NATURAL GAS		
<b>SCC:</b>	20400301	<b>Stack:</b>	17	
	Engine Testing	<b>Description:</b>	TEST CELLS PLANT 8	
	Turbine	<b>Stack Type:</b>	Fugitive	
	Natural Gas	<b>Height:</b>	0	
<b>Heat Content:</b>	1000	<b>Diameter:</b>	0	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0	
<b>Ash Content:</b>	0	<b>Velocity:</b>	0	
<b>Throughput:</b>	0.464 Million Cubic Feet	<b>Gas Flow:</b>	0	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	120	0	0.0278
NOX	EPA Emission Factor	300	0	0.0696
PM10-FIL	EPA Emission Factor	14	0	0.0032
PM25-FIL	EPA Emission Factor	14	0	0.0032
PM-CON	EPA Emission Factor	4.794	0	0.0011
SO2	EPA Emission Factor	0.6	0	0.0001
VOC	EPA Emission Factor	6.9	0	0.0016
Process ID: 03		Process Description: TEST CELLS JET FUEL		
<b>SCC:</b>	20400102	<b>Stack:</b>	17	
	Engine Testing	<b>Description:</b>	TEST CELLS PLANT 8	
	Aircraft Engine Testing	<b>Stack Type:</b>	Fugitive	
	Turboshaft	<b>Height:</b>	0	
<b>Heat Content:</b>	135	<b>Diameter:</b>	0	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0	
<b>Ash Content:</b>	0	<b>Velocity:</b>	0	
<b>Throughput:</b>	128.284 1000 Gallons	<b>Gas Flow:</b>	0	
<b>Material:</b>	Fuel	<b>Input/Output:</b>	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	32.7	0	2.0974
NOX	EPA Emission Factor	14.6	0	0.9365
PM10-FIL	EPA Emission Factor	11.3	0	0.7248
PM25-FIL	EPA Emission Factor	10.6	0	0.6799
SO2	EPA Emission Factor	13	0	0.8338
VOC	EPA Emission Factor	46	0	2.9505

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 020</b>		<b>Group Description: MAINT. PAINT BOOTH PLT 5</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 19</b>	<b>Spring: 25</b>	<b>Summer: 31</b>	<b>Fall: 25</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24 Hours Per Year: 8760</b>		
<b>Process ID: 01</b>		<b>Process Description: WATER-BASED COATINGS</b>		
<b>SCC:</b>	40200101	<b>Stack:</b>	11	
	Surface Coating Operations	<b>Description:</b>	MAINT. PAINT BOOTH PLT. 5	
	Surface Coating Application - General	<b>Stack Type:</b>	Vertical	
	Paint: Solvent-base	<b>Height:</b>	36	
<b>Heat Content:</b>	1	<b>Diameter:</b>	3	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	77	
<b>Ash Content:</b>	0	<b>Velocity:</b>	23.57	
<b>Throughput:</b>	52 Gallons	<b>Gas Flow:</b>	10000	
<b>Material:</b>	Coating	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
VOC	Material Balance	0	0	0
<b>Process ID: 02</b>		<b>Process Description: SOLVENT-BASED COATINGS</b>		
<b>SCC:</b>	40200101	<b>Stack:</b>	11	
	Surface Coating Operations	<b>Description:</b>	MAINT. PAINT BOOTH PLT. 5	
	Surface Coating Application - General	<b>Stack Type:</b>	Vertical	
	Paint: Solvent-base	<b>Height:</b>	36	
<b>Heat Content:</b>	1	<b>Diameter:</b>	3	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	77	
<b>Ash Content:</b>	0	<b>Velocity:</b>	23.57	
<b>Throughput:</b>	42 Gallons	<b>Gas Flow:</b>	10000	
<b>Material:</b>	Coating	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
VOC	State/Local Emission Factor	5.6	0	0.1176



# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 021</b>		<b>Group Description: PERCHLOROETHYLENE DEGREAS</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 25</b>	<b>Spring: 25</b>	<b>Summer: 25</b>	<b>Fall: 25</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24</b>	<b>Hours Per Year: 8760</b>	
<b>Process ID: 01</b>		<b>Process Description: PERCHLOROETHYLENE DEGREAS</b>		
<b>SCC:</b>	40100203	<b>Stack:</b>	21	
	Organic Solvent Evaporation	<b>Description:</b>	PERCHLOROETHYLENE DEGREAS	
	Degreasing	<b>Stack Type:</b>	Fugitive	
	Perchloroethylene: Open-top Vapor Degreasing	<b>Height:</b>	0	
<b>Heat Content:</b>	1	<b>Diameter:</b>	0	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0	
<b>Ash Content:</b>	0	<b>Velocity:</b>	0	
<b>Throughput:</b>	1.23 Tons	<b>Gas Flow:</b>	0	
<b>Material:</b>	Make-Up Solvent	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
VOC	State/Local Speciation Profile	0	0	0
127184	State/Local Emission Factor	2000	0	1.23

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 583</b>		<b>Group Description: TEST CELLS 111</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 0</b>	<b>Spring: 45</b>	<b>Summer: 41</b>	<b>Fall: 14</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24 Hours Per Year: 8760</b>		
<b>Process ID: 03</b>		<b>Process Description: TEST CELLS JET FUEL</b>		
<b>SCC:</b>	20400102	<b>Stack:</b>	583	
	Engine Testing	<b>Description:</b>	TEST CELLS 111	
	Aircraft Engine Testing	<b>Stack Type:</b>	Vertical	
	Turboshaft	<b>Height:</b>	40	
<b>Heat Content:</b>	135	<b>Diameter:</b>	20	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900	
<b>Ash Content:</b>	0	<b>Velocity:</b>	3.18	
<b>Throughput:</b>	5.092 1000 Gallons	<b>Gas Flow:</b>	60000	
<b>Material:</b>	Fuel	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	32.7	0	0.0833
NOX	EPA Emission Factor	14.6	0	0.0372
PM10-FIL	EPA Emission Factor	11.3	0	0.0288
PM25-FIL	EPA Emission Factor	10.6	0	0.0270
SO2	EPA Emission Factor	13	0	0.0331
VOC	EPA Emission Factor	46	0	0.1171

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 70-68a</b>		<b>Group Description:2 GAS TURBINE D-3</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 25</b>	<b>Spring: 25</b>	<b>Summer: 25</b>	<b>Fall: 25</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24</b>	<b>Hours Per Year: 8760</b>	
<b>Process ID: 01</b>		<b>Process Description: 2 GAS TURBINE D-3</b>		
<b>SCC:</b>	20200201	<b>Stack:</b>	70-68a	
	Industrial	<b>Description:</b>	2 GAS TURBINE D-3	
	Natural Gas	<b>Stack Type:</b>	Vertical	
	Turbine	<b>Height:</b>	65	
<b>Heat Content:</b>	1000	<b>Diameter:</b>	3	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900	
<b>Ash Content:</b>	0	<b>Velocity:</b>	149.27	
<b>Throughput:</b>	0 Million Cubic Feet	<b>Gas Flow:</b>	63310	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
91203	EPA Emission Factor	0.00133	0	0
PM10-FIL	EPA Emission Factor	1.9	0	0
PM25-FIL	EPA Emission Factor	1.9	0	0
PM-CON	EPA Emission Factor	4.8	0	0
SO2	EPA Emission Factor	959	0	0
VOC	EPA Emission Factor	2.1	0	0
100414	EPA Emission Factor	0.033	0	0
106990	EPA Emission Factor	0.00044	0	0
107028	EPA Emission Factor	0.00653	0	0
108883	EPA Emission Factor	0.133	0	0
108952	EPA Emission Factor	0.013	0	0
1330207	EPA Emission Factor	0.065	0	0
71432	EPA Emission Factor	0.012	0	0
7439965	EPA Emission Factor	0.082	0	0
7439976	EPA Emission Factor	0.00676	0	0
7440020	EPA Emission Factor	0.117	0	0
7440439	EPA Emission Factor	0.00706	0	0
7440473	EPA Emission Factor	0.014	0	0
75070	EPA Emission Factor	0.041	0	0
75569	EPA Emission Factor	0.03	0	0
50000	EPA Emission Factor	0.724	0	0

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID:</b> 805		<b>Group Description:</b> B&W BOILER #7 PLANT 8		
<b>Percent Quarterly Throughput</b>				
<b>Winter:</b> 25	<b>Spring:</b> 25	<b>Summer:</b> 25	<b>Fall:</b> 25	
<b>Days Per Week:</b> 7	<b>Weeks Per Year:</b> 52	<b>Hours Per Day:</b> 24 <b>Hours Per Year:</b> 8760		
<b>Process ID:</b> 01		<b>Process Description:</b> B&W BOILER #7 Diesel		
<b>SCC:</b>	10200501	<b>Stack:</b>	805	
	Industrial	<b>Description:</b>	B&W BOILERS #7 PLANT 8	
	Distillate Oil	<b>Stack Type:</b>	Vertical	
	Grades 1 and 2 Oil	<b>Height:</b>	50	
<b>Heat Content:</b>	125	<b>Diameter:</b>	6.5	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	760	
<b>Ash Content:</b>	0	<b>Velocity:</b>	57.26	
<b>Throughput:</b>	0 1000 Gallons	<b>Gas Flow:</b>	114000	
<b>Material:</b>	Distillate Oil (No. 1 & 2)	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	5	0	0
NH3	EPA Emission Factor	0.8	0	0
NOX	EPA Emission Factor	24	0	0
PM10-FIL	EPA Emission Factor	1	0	0
PM25-FIL	EPA Emission Factor	0.25	0	0
PM-CON	EPA Emission Factor	1.3	0	0
SO2	EPA Emission Factor	142	0	0
VOC	EPA Emission Factor	0.2	0	0
7439921	EPA Emission Factor	0.00125	0	0

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 807</b>		<b>Group Description: B&amp;W BOILER #9 PLANT 8</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 59</b>	<b>Spring: 23</b>	<b>Summer: 3</b>	<b>Fall: 15</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24 Hours Per Year: 8760</b>		
<b>Process ID: 02</b>		<b>Process Description: BOILER #9 NATURAL GAS</b>		
<b>SCC:</b>	10200602	<b>Stack:</b>	807	
	Industrial	<b>Description:</b>	B&W BOILERS #9 PLANT 8	
	Natural Gas	<b>Stack Type:</b>	Vertical	
	10-100 Million Btu/hr	<b>Height:</b>	50	
<b>Heat Content:</b>	1000	<b>Diameter:</b>	6.5	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	760	
<b>Ash Content:</b>	0	<b>Velocity:</b>	57.26	
<b>Throughput:</b>	161.34 Million Cubic Feet	<b>Gas Flow:</b>	114000	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	84	0	6.7763
NH3	EPA Emission Factor	3.2	0	0.2581
NOX	EPA Emission Factor	100	0	8.067
PM10-FIL	EPA Emission Factor	1.9	0	0.1533
PM25-FIL	EPA Emission Factor	1.9	0	0.1533
PM-CON	EPA Emission Factor	5.7	0	0.4598
SO2	EPA Emission Factor	0.6	0	0.0484
VOC	EPA Emission Factor	5.5	0	0.4437
7439921	EPA Emission Factor	0.0005	0	0.0000

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Process ID: 03</b>		<b>Process Description: BOILER # 9 LANDFILL GAS</b>		
<b>SCC:</b>	10200799	<b>Stack:</b>	807	
	Industrial	<b>Description:</b>	B&W BOILERS #9 PLANT 8	
	Process Gas	<b>Stack Type:</b>	Vertical	
	Other: Specify in Comments	<b>Height:</b>	50	
<b>Heat Content:</b>	500	<b>Diameter:</b>	6.5	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	760	
<b>Ash Content:</b>	0	<b>Velocity:</b>	57.26	
<b>Throughput:</b>	0 Million Cubic Feet	<b>Gas Flow:</b>	114000	
<b>Material:</b>	Process Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	35	0	0
NOX	EPA Emission Factor	140	0	0
PM10-FIL	EPA Emission Factor	13.7	0	0
PM25-FIL	EPA Emission Factor	13.7	0	0
SO2	EPA Emission Factor	950	0	0
VOC	EPA Emission Factor	2.8	0	0
7439921	EPA Emission Factor	1E-05	0	0

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID:</b> 808		<b>Group Description:</b> B&W BOILER #10 PLANT 8		
<b>Percent Quarterly Throughput</b>				
<b>Winter:</b> 47	<b>Spring:</b> 22	<b>Summer:</b> 6	<b>Fall:</b> 25	
<b>Days Per Week:</b> 7	<b>Weeks Per Year:</b> 52	<b>Hours Per Day:</b> 24 <b>Hours Per Year:</b> 8760		
<b>Process ID:</b> 02		<b>Process Description:</b> BOILER #10 NATURAL GAS		
<b>SCC:</b>	10200602	<b>Stack:</b>	808	
	Industrial	<b>Description:</b>	B&W BOILERS #10 PLANT 8	
	Natural Gas	<b>Stack Type:</b>	Vertical	
	10-100 Million Btu/hr	<b>Height:</b>	50	
<b>Heat Content:</b>	1000	<b>Diameter:</b>	6.5	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	760	
<b>Ash Content:</b>	0	<b>Velocity:</b>	57.26	
<b>Throughput:</b>	78.957 Million Cubic Feet	<b>Gas Flow:</b>	114000	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	84	0	3.3162
NH3	EPA Emission Factor	3.2	0	0.1263
NOX	EPA Emission Factor	100	0	3.9478
PM10-FIL	EPA Emission Factor	1.9	0	0.0750
PM25-FIL	EPA Emission Factor	1.9	0	0.0750
PM-CON	EPA Emission Factor	5.7	0	0.2250
SO2	EPA Emission Factor	0.6	0	0.0237
VOC	EPA Emission Factor	5.5	0	0.2171
7439921	EPA Emission Factor	0.0005	0	0.0000

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Process ID:</b> 03		<b>Process Description:</b> BOILER # 10 LANDFILL GAS		
<b>SCC:</b>	10200799	<b>Stack:</b>	808	
	Industrial	<b>Description:</b>	B&W BOILERS #10 PLANT 8	
	Process Gas	<b>Stack Type:</b>	Vertical	
	Other: Specify in Comments	<b>Height:</b>	50	
<b>Heat Content:</b>	500	<b>Diameter:</b>	6.5	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	760	
<b>Ash Content:</b>	0	<b>Velocity:</b>	57.26	
<b>Throughput:</b>	0 Million Cubic Feet	<b>Gas Flow:</b>	114000	
<b>Material:</b>	Process Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	35	0	0
NOX	EPA Emission Factor	140	0	0
PM10-FIL	EPA Emission Factor	13.7	0	0
PM25-FIL	EPA Emission Factor	13.7	0	0
SO2	EPA Emission Factor	950	0	0
VOC	EPA Emission Factor	2.8	0	0
7439921	EPA Emission Factor	1E-05	0	0



# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 811</b>		<b>Group Description:2 GAS TURBINE TC841</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 0</b>	<b>Spring: 0</b>	<b>Summer: 100</b>	<b>Fall: 0</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24 Hours Per Year: 8760</b>		
<b>Process ID: 01</b>		<b>Process Description: 2 GAS TURBINE TC841</b>		
<b>SCC:</b>	20200901	<b>Stack:</b>	811	
	Industrial	<b>Description:</b>	2 GAS TURBINE TC841	
	Kerosene/Naphtha (Jet Fuel)	<b>Stack Type:</b>	Vertical	
	Turbine	<b>Height:</b>	57	
<b>Heat Content:</b>	135	<b>Diameter:</b>	4	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	600	
<b>Ash Content:</b>	0	<b>Velocity:</b>	108.36	
<b>Throughput:</b>	0 1000 Gallons	<b>Gas Flow:</b>	81700	
<b>Material:</b>	Jet Fuel	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	0.446	0	0
NOX	EPA Emission Factor	119	0	0
PM10-FIL	EPA Emission Factor	0.58476	0	0
PM25-FIL	EPA Emission Factor	0.54821	0	0
PM-CON	EPA Emission Factor	0.9072	0	0
SO2	EPA Emission Factor	136	0	0
VOC	EPA Emission Factor	4.77	0	0

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 812</b>		<b>Group Description:6 GAS TURBINE D-3</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 80</b>	<b>Spring: 0</b>	<b>Summer: 0</b>	<b>Fall: 20</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24</b>	<b>Hours Per Year: 8760</b>	
<b>Process ID: 01</b>		<b>Process Description: 10 GAS TURBINE D-3</b>		
<b>SCC:</b>	20200901	<b>Stack:</b>	812	
	Industrial	<b>Description:</b>	6 GAS TURBINE D-3	
	Kerosene/Naphtha (Jet Fuel)	<b>Stack Type:</b>	Vertical	
	Turbine	<b>Height:</b>	65	
<b>Heat Content:</b>	135	<b>Diameter:</b>	3	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900	
<b>Ash Content:</b>	0	<b>Velocity:</b>	149.27	
<b>Throughput:</b>	3.758 1000 Gallons	<b>Gas Flow:</b>	63310	
<b>Material:</b>	Jet Fuel	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	0.446	0	0.0008
NOX	EPA Emission Factor	119	0	0.2236
PM10-FIL	EPA Emission Factor	0.58476	0	0.0011
PM25-FIL	EPA Emission Factor	0.54821	0	0.0010
PM-CON	EPA Emission Factor	0.9072	0	0.0017
SO2	EPA Emission Factor	136	0	0.2555
VOC	EPA Emission Factor	4.77	0	0.0090

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID:</b> 81-2		<b>Group Description:</b> SHACK HEATERS-16 PLT.8		
<b>Percent Quarterly Throughput</b>				
<b>Winter:</b> 60	<b>Spring:</b> 15	<b>Summer:</b> 16	<b>Fall:</b> 9	
<b>Days Per Week:</b> 7	<b>Weeks Per Year:</b> 52	<b>Hours Per Day:</b> 24	<b>Hours Per Year:</b> 8760	
<b>Process ID:</b> 02		<b>Process Description:</b> SHACK HEATERS-16 PLT.8 NATGS		
<b>SCC:</b>	10500106	<b>Stack:</b>	815	
	Space Heaters	<b>Description:</b>	SHACK HEATERS-14 PLT.8	
	Industrial	<b>Stack Type:</b>	Vertical	
	Natural Gas	<b>Height:</b>	50	
<b>Heat Content:</b>	1000	<b>Diameter:</b>	5.5	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900	
<b>Ash Content:</b>	0	<b>Velocity:</b>	44.41	
<b>Throughput:</b>	0.073 Million Cubic Feet	<b>Gas Flow:</b>	63310	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	84	0	0.0031
NH3	EPA Emission Factor	3.2	0	0.0001
NOX	EPA Emission Factor	100	0	0.0036
PM10-FIL	EPA Emission Factor	3	0	0.0001
PM25-FIL	EPA Emission Factor	3	0	0.0001
PM-CON	EPA Emission Factor	5.7	0	0.0002
SO2	EPA Emission Factor	0.6	0	0.0000
VOC	EPA Emission Factor	5.5	0	0.0002
7439921	EPA Emission Factor	0.0005	0	0.0000

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID:</b> 813		<b>Group Description:</b> 12 GAS TURBINE D-2		
<b>Percent Quarterly Throughput</b>				
<b>Winter:</b> 5	<b>Spring:</b> 40	<b>Summer:</b> 15	<b>Fall:</b> 40	
<b>Days Per Week:</b> 7	<b>Weeks Per Year:</b> 52	<b>Hours Per Day:</b> 24 <b>Hours Per Year:</b> 8760		
<b>Process ID:</b> 01		<b>Process Description:</b> 12 GAS TURBINE D-2		
<b>SCC:</b>	20200901	<b>Stack:</b>	813	
	Industrial	<b>Description:</b>	12 GAS TURBINE D-2	
	Kerosene/Naphtha (Jet Fuel)	<b>Stack Type:</b>	Vertical	
	Turbine	<b>Height:</b>	65	
<b>Heat Content:</b>	135	<b>Diameter:</b>	3	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900	
<b>Ash Content:</b>	0	<b>Velocity:</b>	149.27	
<b>Throughput:</b>	45.984 1000 Gallons	<b>Gas Flow:</b>	63310	
<b>Material:</b>	Jet Fuel	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	0.446	0	0.0103
NOX	EPA Emission Factor	119	0	2.7360
PM10-FIL	EPA Emission Factor	0.58476	0	0.0134
PM25-FIL	EPA Emission Factor	0.54821	0	0.0126
PM-CON	EPA Emission Factor	0.9072	0	0.0209
SO2	EPA Emission Factor	136	0	3.1269
VOC	EPA Emission Factor	4.77	0	0.1097

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID:</b> 815		<b>Group Description:</b> SHACK HEATERS-14 PLT.8		
<b>Percent Quarterly Throughput</b>				
<b>Winter:</b> 50	<b>Spring:</b> 20	<b>Summer:</b> 16	<b>Fall:</b> 14	
<b>Days Per Week:</b> 7	<b>Weeks Per Year:</b> 52	<b>Hours Per Day:</b> 24 <b>Hours Per Year:</b> 8760		
<b>Process ID:</b> 02		<b>Process Description:</b> SHACK HEATERS PLT.8 NATGS		
<b>SCC:</b>	10500106	<b>Stack:</b>	815	
	Space Heaters	<b>Description:</b>	SHACK HEATERS-14 PLT.8	
	Industrial	<b>Stack Type:</b>	Vertical	
	Natural Gas	<b>Height:</b>	50	
<b>Heat Content:</b>	1000	<b>Diameter:</b>	5.5	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900	
<b>Ash Content:</b>	0	<b>Velocity:</b>	44.41	
<b>Throughput:</b>	0.075 Million Cubic Feet	<b>Gas Flow:</b>	63310	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	84	0	0.0032
NH3	EPA Emission Factor	3.2	0	0.0001
NOX	EPA Emission Factor	100	0	0.0038
PM10-FIL	EPA Emission Factor	3	0	0.0001
PM25-FIL	EPA Emission Factor	3	0	0.0001
PM-CON	EPA Emission Factor	5.7	0	0.0002
SO2	EPA Emission Factor	0.6	0	0.0000
VOC	EPA Emission Factor	5.5	0	0.0002
7439921	EPA Emission Factor	0.0005	0	0.0000

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 90</b>		<b>Group Description: Space Heating</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 49</b>	<b>Spring: 16</b>	<b>Summer: 8</b>	<b>Fall: 27</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24 Hours Per Year: 8760</b>		
<b>Process ID: 02</b>		<b>Process Description: Space Heating</b>		
<b>SCC:</b>	10500106	<b>Stack:</b>	90	
	Space Heaters	<b>Description:</b>	Space Heating	
	Industrial	<b>Stack Type:</b>	Vertical	
	Natural Gas	<b>Height:</b>	25	
<b>Heat Content:</b>	1000	<b>Diameter:</b>	2	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	300	
<b>Ash Content:</b>	0	<b>Velocity:</b>	44.41	
<b>Throughput:</b>	34.742 Million Cubic Feet	<b>Gas Flow:</b>	8371	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	84	0	1.4592
NH3	EPA Emission Factor	3.2	0	0.0556
NOX	EPA Emission Factor	100	0	1.7371
PM10-FIL	EPA Emission Factor	3	0	0.0521
PM25-FIL	EPA Emission Factor	3	0	0.0521
PM-CON	EPA Emission Factor	5.7	0	0.0990
SO2	EPA Emission Factor	0.6	0	0.0104
VOC	EPA Emission Factor	5.5	0	0.0955
7439921	EPA Emission Factor	0.0005	0	0.0000

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID: 93A-L</b>		<b>Group Description: Makino G7</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 31</b>	<b>Spring: 23</b>	<b>Summer: 24</b>	<b>Fall: 22</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24</b>	<b>Hours Per Year: 8760</b>	
<b>Process ID: 01</b>		<b>Process Description: Makino G7</b>		
<b>SCC:</b>	30903099	<b>Stack:</b>	93A-L	
	Fabricated Metal Products	<b>Description:</b>	Makino G7	
	Machining Operations	<b>Stack Type:</b>	Fugitive	
	See Comment **	<b>Height:</b>	0	
<b>Heat Content:</b>	0	<b>Diameter:</b>	0	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0	
<b>Ash Content:</b>	0	<b>Velocity:</b>	0	
<b>Throughput:</b>	7794 Hour	<b>Gas Flow:</b>	0	
<b>Material:</b>	Coolant	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
PM10-FIL	Vender Emission Factor	0.133	0	0.5183
PM25-FIL	Vender Emission Factor	0.133	0	0.5183
<b>Group ID: 93M-N</b>		<b>Group Description: Hermle</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 22</b>	<b>Spring: 27</b>	<b>Summer: 26</b>	<b>Fall: 25</b>	
<b>Days Per Week: 7</b>	<b>Weeks Per Year: 52</b>	<b>Hours Per Day: 24</b>	<b>Hours Per Year: 8760</b>	
<b>Process ID: 01</b>		<b>Process Description: Hermle</b>		
<b>SCC:</b>	30903099	<b>Stack:</b>	93M-N	
	Fabricated Metal Products	<b>Description:</b>	Hermle	
	Machining Operations	<b>Stack Type:</b>	Fugitive	
	See Comment **	<b>Height:</b>	0	
<b>Heat Content:</b>	0	<b>Diameter:</b>	0	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	0	
<b>Ash Content:</b>	0	<b>Velocity:</b>	0	
<b>Throughput:</b>	7794 Hour	<b>Gas Flow:</b>	0	
<b>Material:</b>	Coolant	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
PM10-FIL	Vender Emission Factor	0.082	0	0.3196
PM25-FIL	Vender Emission Factor	0.082	0	0.3196

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Group ID:</b> UTLBLRS		<b>Group Description:</b> Utility Boilers		
<b>Percent Quarterly Throughput</b>				
<b>Winter:</b> 63	<b>Spring:</b> 17	<b>Summer:</b> 4	<b>Fall:</b> 16	
<b>Days Per Week:</b> 7	<b>Weeks Per Year:</b> 52	<b>Hours Per Day:</b> 24 <b>Hours Per Year:</b> 8760		
<b>Process ID:</b> 106		<b>Process Description:</b> 0070-106		
<b>SCC:</b>	10200602	<b>Stack:</b>	813	
	Industrial	<b>Description:</b>	12 GAS TURBINE D-2	
	Natural Gas	<b>Stack Type:</b>	Vertical	
	10-100 Million Btu/hr	<b>Height:</b>	65	
<b>Heat Content:</b>	0	<b>Diameter:</b>	3	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900	
<b>Ash Content:</b>	0	<b>Velocity:</b>	149.27	
<b>Throughput:</b>	76.678 Million Cubic Feet	<b>Gas Flow:</b>	63310	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	84	0	3.2205
NH3	EPA Emission Factor	3.2	0	0.1227
PM10-FIL	EPA Emission Factor	1.9	0	0.0728
PM25-FIL	EPA Emission Factor	1.9	0	0.0728
PM-CON	EPA Emission Factor	5.7	0	0.2185
SO2	EPA Emission Factor	0.6	0	0.0230
VOC	EPA Emission Factor	5.5	0	0.2109
7439921	EPA Emission Factor	0.0005	0	0.0000
NOX	State/Local Emission Factor	50	0	1.9170



# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Process ID:</b> 107		<b>Process Description:</b> 0070-107		
<b>SCC:</b>	10200602	<b>Stack:</b>	813	
	Industrial	<b>Description:</b>	12 GAS TURBINE D-2	
	Natural Gas	<b>Stack Type:</b>	Vertical	
	10-100 Million Btu/hr	<b>Height:</b>	65	
<b>Heat Content:</b>	0	<b>Diameter:</b>	3	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900	
<b>Ash Content:</b>	0	<b>Velocity:</b>	149.27	
<b>Throughput:</b>	83.505 Million Cubic Feet	<b>Gas Flow:</b>	63310	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
<b>Pollutant</b>	<b>Emission Method</b>	<b>Emission Factor</b>	<b>Overall Ctrl Efficiency</b>	<b>Emissions(Tons)</b>
CO	EPA Emission Factor	84	0	3.5072
NH3	EPA Emission Factor	3.2	0	0.1336
PM10-FIL	EPA Emission Factor	1.9	0	0.0793
PM25-FIL	EPA Emission Factor	1.9	0	0.0793
PM-CON	EPA Emission Factor	5.7	0	0.2380
SO2	EPA Emission Factor	0.6	0	0.0251
VOC	EPA Emission Factor	5.5	0	0.2296
7439921	EPA Emission Factor	0.0005	0	0.0000
NOX	State/Local Emission Factor	50	0	2.0876

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

Process ID: 108		Process Description: 0070-108		
<b>SCC:</b>	10200602	<b>Stack:</b>	813	
	Industrial	<b>Description:</b>	12 GAS TURBINE D-2	
	Natural Gas	<b>Stack Type:</b>	Vertical	
	10-100 Million Btu/hr	<b>Height:</b>	65	
<b>Heat Content:</b>	0	<b>Diameter:</b>	3	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900	
<b>Ash Content:</b>	0	<b>Velocity:</b>	149.27	
<b>Throughput:</b>	70.486 Million Cubic Feet	<b>Gas Flow:</b>	63310	
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	84	0	2.9604
NH3	EPA Emission Factor	3.2	0	0.1128
PM10-FIL	EPA Emission Factor	1.9	0	0.0670
PM25-FIL	EPA Emission Factor	1.9	0	0.0670
PM-CON	EPA Emission Factor	5.7	0	0.2009
SO2	EPA Emission Factor	0.6	0	0.0211
VOC	EPA Emission Factor	5.5	0	0.1938
7439921	EPA Emission Factor	0.0005	0	0.0000
NOX	State/Local Emission Factor	50	0	1.7622

# Facility Emission Detail

## Rolls Royce Corporation

Plant ID:1809700311

Report for 2023

Location: 2601 W Raymond St,Indianapolis,46241

NAICS: 336412 Aircraft Engine and Engine Parts Manufacturing

<b>Process ID:</b> 109		<b>Process Description:</b> 0070-109	
<b>SCC:</b>	10200602	<b>Stack:</b>	813
	Industrial	<b>Description:</b>	12 GAS TURBINE D-2
	Natural Gas	<b>Stack Type:</b>	Vertical
	10-100 Million Btu/hr	<b>Height:</b>	65
<b>Heat Content:</b>	0	<b>Diameter:</b>	3
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	900
<b>Ash Content:</b>	0	<b>Velocity:</b>	149.27
<b>Throughput:</b>	81.749 Million Cubic Feet	<b>Gas Flow:</b>	63310
<b>Material:</b>	Natural Gas	<b>Input/Output:</b>	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	84	0	3.4335
NH3	EPA Emission Factor	3.2	0	0.1308
PM10-FIL	EPA Emission Factor	1.9	0	0.0777
PM25-FIL	EPA Emission Factor	1.9	0	0.0777
PM-CON	EPA Emission Factor	5.7	0	0.2330
SO2	EPA Emission Factor	0.6	0	0.0245
VOC	EPA Emission Factor	5.5	0	0.2248
7439921	EPA Emission Factor	0.0005	0	0.0000
NOX	State/Local Emission Factor	50	0	2.0437