

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Faurecia Clean Mobility Crossroads, USA, LLC
Source Address: 950 West 450 South, Columbus, Indiana 47201
Part 70 Permit No.: T 005-44854-00080

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

Annual Compliance Certification Letter

Test Result (specify) _____

Report (specify) RY 2023 Emission Statement (C.15)

Notification (specify) _____

Affidavit (specify) _____

Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature: Mark Wasserman

Printed Name: Mark Wasserman

Title/Position: Vice President, Engineering

Phone: 419-350-3768

Date: 06/26/2024



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: Faurecia Clean Mobility Crossroads USA	2. Source ID: 1800500080
3. Mailing Address: 950 West 450 South	
City: Columbus	State: IN ZIP Code: 47201
4. Name of Emission Statement Preparer: Bill Combs	
5. Title of Emission Statement Preparer (optional): EHS Consultant	
6. Telephone Number: (260)-609-5034	7. Facsimile Number (optional):
8. Electronic Mail Address (optional): bcombs@sevengenhse.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)	7.5353
Condensable Particulate Matter (PM-CON)	0.0217
Filterable Particulate Matter <10 Microns (PM10-FIL)	0.9405
Nitrogen Dioxide (NO2)	22.4740
Primary PM2.5, Filterable Portion Only	0.9405
Sulfur Dioxide (SO2)	0.8738
Volatile Organic Compounds (VOC)	3.0720
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emitted
Methylene Chloride or Dichloromethane (CAS# 75092)	0.0000
Tetrachloroethylene (Perc) (CAS#127184)	0.0000

Part C: Signature of Responsible Official

I hereby certify that the information in this emission statement is accurate based on reasonable estimates using data available to the preparer and on a reasonable inquiry into records and persons responsible for the operation of the source, and is true, accurate, and complete.

LeAnn Scales
 Name of Responsible Official (typed or printed)

 Signature of Responsible Official

HSE Coordinator
 Title of Responsible Official
 06/26/2024
 Date (month, day, year)

Facility Emission Summary

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	0
CO	Carbon Monoxide	7.5353
7439921	Lead	0
NOX	Nitrogen Oxides	22.4740
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	0.0217
PM10-FIL	Primary PM10, Filterable Portion Only	0.9405
PM25-FIL	Primary PM2.5, Filterable Portion Only	0.9405
SO2	Sulfur Dioxide	0.8738
VOC	Volatile Organic Compounds	3.0720

Facility Emission Detail

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	0
CO	Carbon Monoxide	7.5353
7439921	Lead	0
NOX	Nitrogen Oxides	22.4740
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	0.0217
PM10-FIL	Primary PM10, Filterable Portion Only	0.9405
PM25-FIL	Primary PM2.5, Filterable Portion Only	0.9405
SO2	Sulfur Dioxide	0.8738
VOC	Volatile Organic Compounds	3.0720

Group ID: 001		Group Description: TEST CELL EXHAUSTS		
Percent Quarterly Throughput				
Winter: 21	Spring: 26	Summer: 30	Fall: 23	
Days Per Week: 5	Weeks Per Year: 50	Hours Per Day: 24	Hours Per Year: 6000	
Process ID: 01		Process Description: CELL 10 GAS W/ CONV		
SCC:	20400401	Stack:	2	
	Engine Testing	Description:	TESTCELL 10 EXHAUST	
	Reciprocating Engine	Stack Type:	Vertical	
	Gasoline	Height:	33	
Heat Content:	130	Diameter:	0.67	
Sulfur Content:	0.04	Temperature:	95	
Ash Content:	0	Velocity:	167.11	
Throughput:	0 1000 Gallons	Gas Flow:	3500	
Material:	Gasoline	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
NOX	EPA Emission Factor	102	0	0
PM10-FIL	EPA Emission Factor	6.2	0	0
PM25-FIL	EPA Emission Factor	6.2	0	0
SO2	EPA Emission Factor	5.31	0	0
VOC	EPA Emission Factor	148	0	0
CO	EPA Emission Factor	3940	90	0

Facility Emission Detail

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Process ID: 02		Process Description: CELL 10 GAS W/OUT CONV		
SCC:	20400401	Stack:	2	
	Engine Testing	Description:	TESTCELL 10 EXHAUST	
	Reciprocating Engine	Stack Type:	Vertical	
	Gasoline	Height:	33	
Heat Content:	130	Diameter:	0.67	
Sulfur Content:	0.04	Temperature:	95	
Ash Content:	0	Velocity:	167.11	
Throughput:	0 1000 Gallons	Gas Flow:	3500	
Material:	Gasoline	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	3940	0	0
NOX	EPA Emission Factor	102	0	0
PM10-FIL	EPA Emission Factor	6.2	0	0
PM25-FIL	EPA Emission Factor	6.2	0	0
SO2	EPA Emission Factor	5.31	0	0
VOC	EPA Emission Factor	148	0	0
Process ID: 03		Process Description: CELLS 1-6 GAS W/ CONV		
SCC:	20400401	Stack:	0	
	Engine Testing	Description:	TESTCELLS 1-6 EXHAUST	
	Reciprocating Engine	Stack Type:	Vertical	
	Gasoline	Height:	27	
Heat Content:	130	Diameter:	0.83	
Sulfur Content:	0.04	Temperature:	90	
Ash Content:	0	Velocity:	152.79	
Throughput:	3.754 1000 Gallons	Gas Flow:	4960	
Material:	Gasoline	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
NOX	EPA Emission Factor	102	0	0.1915
PM10-FIL	EPA Emission Factor	6.2	0	0.0116
PM25-FIL	EPA Emission Factor	6.2	0	0.0116
SO2	EPA Emission Factor	5.31	0	0.0100
VOC	EPA Emission Factor	148	0	0.2778
CO	EPA Emission Factor	3940	90	0.7395

Facility Emission Detail

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Process ID: 04		Process Description: CELLS 1-6 GAS W/OUT CONV		
SCC:	20400401	Stack:	0	
	Engine Testing	Description:	TESTCELLS 1-6 EXHAUST	
	Reciprocating Engine	Stack Type:	Vertical	
	Gasoline	Height:	27	
Heat Content:	130	Diameter:	0.83	
Sulfur Content:	0.04	Temperature:	90	
Ash Content:	0	Velocity:	152.79	
Throughput:	0 1000 Gallons	Gas Flow:	4960	
Material:	Gasoline	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	3940	0	0
NOX	EPA Emission Factor	102	0	0
PM10-FIL	EPA Emission Factor	6.2	0	0
PM25-FIL	EPA Emission Factor	6.2	0	0
SO2	EPA Emission Factor	5.31	0	0
VOC	EPA Emission Factor	148	0	0
Process ID: 05		Process Description: CELLS 1-6 DIESEL		
SCC:	20400402	Stack:	0	
	Engine Testing	Description:	TESTCELLS 1-6 EXHAUST	
	Reciprocating Engine	Stack Type:	Vertical	
	Diesel/Kerosene	Height:	27	
Heat Content:	137	Diameter:	0.83	
Sulfur Content:	0.4	Temperature:	90	
Ash Content:	0	Velocity:	152.79	
Throughput:	0 1000 Gallons	Gas Flow:	4960	
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	0
NOX	EPA Emission Factor	604	0	0
PM10-FIL	EPA Emission Factor	42.5	0	0
PM25-FIL	EPA Emission Factor	42.5	0	0
SO2	EPA Emission Factor	39.7	0	0
VOC	EPA Emission Factor	49.3	0	0

Facility Emission Detail

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Process ID: 06		Process Description: CELLS 7-9 GAS W/ CONV	
SCC:	20400401	Stack:	1
	Engine Testing	Description:	TESTCELLS 7-9 EXHAUST
	Reciprocating Engine	Stack Type:	Vertical
	Gasoline	Height:	43
Heat Content:	130	Diameter:	2.67
Sulfur Content:	0.04	Temperature:	92
Ash Content:	0	Velocity:	44.65
Throughput:	20.7255 1000 Gallons	Gas Flow:	15000
Material:	Gasoline	Input/Output:	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
NOX	EPA Emission Factor	102	0	1.0570
PM10-FIL	EPA Emission Factor	6.2	0	0.0642
PM25-FIL	EPA Emission Factor	6.2	0	0.0642
SO2	EPA Emission Factor	5.31	0	0.0550
VOC	EPA Emission Factor	148	0	1.5337
CO	EPA Emission Factor	3940	90	4.0829

Process ID: 07		Process Description: CELLS 7-9 GAS W/OUT CONV	
SCC:	20400401	Stack:	1
	Engine Testing	Description:	TESTCELLS 7-9 EXHAUST
	Reciprocating Engine	Stack Type:	Vertical
	Gasoline	Height:	43
Heat Content:	130	Diameter:	2.67
Sulfur Content:	0.04	Temperature:	92
Ash Content:	0	Velocity:	44.65
Throughput:	0 1000 Gallons	Gas Flow:	15000
Material:	Gasoline	Input/Output:	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	EPA Emission Factor	3940	0	0
NOX	EPA Emission Factor	102	0	0
PM10-FIL	EPA Emission Factor	6.2	0	0
PM25-FIL	EPA Emission Factor	6.2	0	0
SO2	EPA Emission Factor	5.31	0	0
VOC	EPA Emission Factor	148	0	0

Facility Emission Detail

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Process ID: 08		Process Description: CELLS 7-9 DIESEL Emission Control Units		
SCC:	10200501	Stack:	1	
	Industrial	Description:	TESTCELLS 7-9 EXHAUST	
	Distillate Oil	Stack Type:	Vertical	
	Grades 1 and 2 Oil	Height:	43	
Heat Content:	137	Diameter:	2.67	
Sulfur Content:	0.04	Temperature:	92	
Ash Content:	0	Velocity:	44.65	
Throughput:	0 1000 Gallons	Gas Flow:	15000	
Material:	Distillate Oil (No. 1 & 2)	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
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
Process ID: 09		Process Description: CELL 10 NATURAL GAS SIMULATOR		
SCC:	20200254	Stack:	2	
	Industrial	Description:	TESTCELL 10 EXHAUST	
	Natural Gas	Stack Type:	Vertical	
	4-cycle Lean Burn	Height:	33	
Heat Content:	1050	Diameter:	0.67	
Sulfur Content:	0	Temperature:	95	
Ash Content:	0	Velocity:	167.11	
Throughput:	2.3888 Million Cubic Feet	Gas Flow:	3500	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
78875	EPA Emission Factor	0.027	0	0.0000
79345	EPA Emission Factor	0.041	0	0.0000
91203	EPA Emission Factor	0.076	0	0.0001
CO	EPA Emission Factor	32	0	0.0382
NOX	EPA Emission Factor	4162	0	4.9711
PM10-FIL	EPA Emission Factor	0.07864	0	0.0001

Facility Emission Detail

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Process ID: 09		Process Description: CELL 10 NATURAL GAS SIMULATOR		
SCC:	20200254	Stack:	2	
	Industrial	Description:	TESTCELL 10 EXHAUST	
	Natural Gas	Stack Type:	Vertical	
	4-cycle Lean Burn	Height:	33	
Heat Content:	1050	Diameter:	0.67	
Sulfur Content:	0	Temperature:	95	
Ash Content:	0	Velocity:	167.11	
Throughput:	2.3888 Million Cubic Feet	Gas Flow:	3500	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM25-FIL	EPA Emission Factor	0.07864	0	0.0001
PM-CON	EPA Emission Factor	10.1082	0	0.0121
SO2	EPA Emission Factor	0.6	0	0.0007
VOC	EPA Emission Factor	120	0	0.1433
100414	EPA Emission Factor	0.04049	0	0.0000
100425	EPA Emission Factor	0.02407	0	0.0000
106934	EPA Emission Factor	0.04519	0	0.0001
106990	EPA Emission Factor	0.27234	0	0.0003
107028	EPA Emission Factor	5.2428	0	0.0063
107062	EPA Emission Factor	0.02407	0	0.0000
108883	EPA Emission Factor	0.42	0	0.0005
108907	EPA Emission Factor	0.031	0	0.0000
108952	EPA Emission Factor	0.025	0	0.0000
110543	EPA Emission Factor	1.13	0	0.0013
127184	EPA Emission Factor	0.0025	0	0.0000
1330207	EPA Emission Factor	0.19	0	0.0002
56235	EPA Emission Factor	0.037	0	0.0000
67663	EPA Emission Factor	0.029	0	0.0000
71432	EPA Emission Factor	0.449	0	0.0005
75003	EPA Emission Factor	0.002	0	0.0000
75014	EPA Emission Factor	0.015	0	0.0000
75070	EPA Emission Factor	8.5	0	0.0102
75092	EPA Emission Factor	0.02	0	0.0000
75343	EPA Emission Factor	0.024	0	0.0000
50000	EPA Emission Factor	54	0	0.0645
542756	EPA Emission Factor	0.027	0	0.0000

Facility Emission Detail

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Process ID: 10		Process Description: CELLS 7-9 DIESEL Engine			
SCC:	20400402	Stack:	1		
	Engine Testing	Description:	TESTCELLS 7-9 EXHAUST		
	Reciprocating Engine	Stack Type:	Vertical		
	Diesel/Kerosene	Height:	43		
Heat Content:	137	Diameter:	2.67		
Sulfur Content:	0.04	Temperature:	92		
Ash Content:	0	Velocity:	44.65		
Throughput:	40.679 1000 Gallons	Gas Flow:	15000		
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	2.6441	
NOX	EPA Emission Factor	604	0	12.2851	
PM10-FIL	EPA Emission Factor	42.5	0	0.8644	
PM25-FIL	EPA Emission Factor	42.5	0	0.8644	
SO2	EPA Emission Factor	39.7	0	0.8075	
VOC	EPA Emission Factor	49.3	0	1.0027	
Process ID: 11		Process Description: CELLS 1-6 NG SIMULATOR			
SCC:	20200254	Stack:	0		
	Industrial	Description:	TESTCELLS 1-6 EXHAUST		
	Natural Gas	Stack Type:	Vertical		
	4-cycle Lean Burn	Height:	27		
Heat Content:	1050	Diameter:	0.83		
Sulfur Content:	0	Temperature:	90		
Ash Content:	0	Velocity:	152.79		
Throughput:	1.9074 Million Cubic Feet	Gas Flow:	4960		
Material:	Natural Gas	Input/Output:	Process Material Used (Input)		
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)	
78875	EPA Emission Factor	0.027	0	0.0000	
79345	EPA Emission Factor	0.041	0	0.0000	
91203	EPA Emission Factor	0.076	0	0.0001	
CO	EPA Emission Factor	32	0	0.0305	
NOX	EPA Emission Factor	4162	0	3.9694	
PM10-FIL	EPA Emission Factor	0.07864	0	0.0001	
PM25-FIL	EPA Emission Factor	0.07864	0	0.0001	
PM-CON	EPA Emission Factor	10.1082	0	0.0096	
SO2	EPA Emission Factor	0.6	0	0.0006	

Facility Emission Detail

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Process ID: 11		Process Description: CELLS 1-6 NG SIMULATOR		
SCC:	20200254	Stack:	0	
	Industrial	Description:	TESTCELLS 1-6 EXHAUST	
	Natural Gas	Stack Type:	Vertical	
	4-cycle Lean Burn	Height:	27	
Heat Content:	1050	Diameter:	0.83	
Sulfur Content:	0	Temperature:	90	
Ash Content:	0	Velocity:	152.79	
Throughput:	1.9074 Million Cubic Feet	Gas Flow:	4960	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
VOC	EPA Emission Factor	120	0	0.1144
100414	EPA Emission Factor	0.04049	0	0.0000
100425	EPA Emission Factor	0.02407	0	0.0000
106934	EPA Emission Factor	0.04519	0	0.0000
106990	EPA Emission Factor	0.27234	0	0.0003
107028	EPA Emission Factor	5.2428	0	0.0050
107062	EPA Emission Factor	0.02407	0	0.0000
108883	EPA Emission Factor	0.42	0	0.0004
108907	EPA Emission Factor	0.031	0	0.0000
108952	EPA Emission Factor	0.025	0	0.0000
110543	EPA Emission Factor	1.13	0	0.0011
127184	EPA Emission Factor	0.0025	0	0.0000
1330207	EPA Emission Factor	0.19	0	0.0002
56235	EPA Emission Factor	0.037	0	0.0000
67663	EPA Emission Factor	0.029	0	0.0000
71432	EPA Emission Factor	0.449	0	0.0004
75003	EPA Emission Factor	0.002	0	0.0000
75014	EPA Emission Factor	0.015	0	0.0000
75070	EPA Emission Factor	8.5	0	0.0081
75092	EPA Emission Factor	0.02	0	0.0000
75343	EPA Emission Factor	0.024	0	0.0000
50000	EPA Emission Factor	54	0	0.0515
542756	EPA Emission Factor	0.027	0	0.0000

Facility Emission Detail

Faurecia Clean Mobility Crossroads USA

Plant ID:1800500080

Report for 2023

Location: 950 W CR 450 S,Columbus,47201

NAICS: 54138 Testing Laboratories

Process ID: 14		Process Description: Cells O1-O4 GAS W/O CONV		
SCC:	20400401	Stack:	3	
	Engine Testing	Description:	Test Cells O1-O4 Exhaust	
	Reciprocating Engine	Stack Type:	Vertical	
	Gasoline	Height:	12	
Heat Content:	130	Diameter:	0.34	
Sulfur Content:	0.04	Temperature:	734	
Ash Content:	0	Velocity:	77.1	
Throughput:	0 1000 Gallons	Gas Flow:	420	
Material:	Gasoline	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
VOC	EPA Emission Factor	148	0	0
CO	EPA Emission Factor	3940	0	0
NOX	EPA Emission Factor	102	0	0
PM10-FIL	EPA Emission Factor	6.2	0	0
PM25-FIL	EPA Emission Factor	6.2	0	0
SO2	EPA Emission Factor	5.31	0	0