



July 18, 2024

CERTIFIED MAIL

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

Received State of Indiana

7-20

AUG 02 2024

Department of Environmental Management
OFFICE OF AIR QUALITY

Subject: 3M Hartford City (Title V T009-45740-00004)
2nd Quarter 2024 Reports for BA Coating Line, BC-1 Coating Line, BC-2 Coating Line, VCS Coating Line, Extrusion Line, Boilers and Degreasers

To Whom It May Concern:

Enclosed please find the quarterly submittals for the subject facility for the BA Coating Line, BC-1 Coating Line, BC-2 Coating Line, VCS Coating Line and Extrusion Line, as required per the facility's Title V Operating Permits. The attached reports and facility compliance certification demonstrate that 3M is in compliance with:

Section D.1.11 (BA Coating Line)
Section D.2.9 (BC-1 and BC-2 Coating Line)
Section D.3.11 (VCS Coating Line)
Section D.4.10 (Extrusion Line)
Section D.5.7 (Boilers)
Section D.6.4 (Degreasers)

In addition, the Quarterly Deviation and Compliance Monitoring Report, which has been signed by the site responsible official, is being submitted under separate cover.

3M Company believes that a portion of the attached information is not of public knowledge or general knowledge in the trade or business; that is, it is secret information which has not been placed in the public domain. Thus, it is entitled to be protected from being divulged to the public and should be considered as trade secret information and held as confidential. Such information marked '3M Confidential', is enclosed in a sealed envelope. Such a request is being made under the provisions of 326 IAC 17-1-4(d)(1). A non-confidential version of the report is also enclosed.

If you have any questions, please contact me at (765) 331-2437.

Sincerely,

Michael Kelsey
Environmental Engineer

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

Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45740-00004

**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): 2nd Quarter 2024 VOC Report – Production Lines: BA, Extrusion, BC1, BC2, VCS**
- ☐ 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: 

Printed Name: Matthew Peterson

Title/Position: Plant Manager

Phone: 765-331-2439

Date: 7-25-2024

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45966-00004

Facility: **BA Coating Line**
Parameter: VOC Emissions (after control)
Limit: BA Coating Line VOC emissions shall be limited to **1006** tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Quarter: 2 Year: 2024

Month	VOC Emissions (tons) This Month	VOC Emissions (tons) Previous 11 Months	VOC Emissions (tons) 12 Month total
April	0.70	4.46	5.16
May	0.74	4.98	5.72
June	0.99	5.16	6.15

☒ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: Michael Kelsey
Title / Position: Environmental Engineer

Signature: _____

Date: _____

Phone: _____

7/18/24
765-331-2437

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45966-00004

Facility: **BC-1 Coating Line**
Parameter: VOC Emissions (after control)
Limit: BC-1 Coating Line VOC emissions shall be limited to **25.57** pounds per hour and an overall control efficiency of 96% shall be maintained through the use of a thermal oxidizer.

Quarter: 2 Year: 2024

Month	VOC Emissions This Month (pounds)	Hours of Operation This Month (hours)	VOC Emissions This Month (lbs/hour)	Thermal Oxidizer Overall Control Efficiency (%)
April	1387	177	6.27	98.30
May	826	104	5.46	98.30
June	1902	236	6.18	98.30

☒ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: Michael Kelsey
Title / Position: Environmental Engineer

Signature: _____

Date: _____

Phone: 765-331-2437

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45966-00004

Facility: **BC-2 Coating Line**
Parameter: VOC Emissions (after control)
Limit: VOC emissions shall not exceed **485 tons** per twelve (12) consecutive month period, with compliance determined at the end of each month based on the formula below.

Quarter: 2 Year: 2024

Month	Uncontrolled Coatings Usage This Month (tons/month)	Volume Weighted Average VOC Content of Uncontrolled Coatings Used This Month (wt.%)	Weight of Uncontrolled VOCs Emitted This Month (tons/month)	Controlled Coatings Usage This Month (tons/month)	Volume Weighted Average VOC Content of Controlled Coatings Used This Month (wt.%)	Weight of Controlled VOCs Emitted This Month (tons/month)	Total Weight of Controlled and Uncontrolled VOCs Emitted This Month (tons/month)	Total Weight of Controlled and Uncontrolled VOCs Emitted Last 12 Months (tons/12 month)
Apr	-	-	0.10	-	50.03%	0.24	0.34	3.48
May	-	-	0.09	-	47.62%	0.23	0.32	3.68
Jun	-	-	0.18	-	63.37%	0.62	0.80	3.92

$$E_{VOC} = (u_u * W_{u,avg}) + (u_c * W_{c,avg} * (1 - C_{eff})) \quad (i)$$

$$PTE_{VOC} = (E_{VOC, \text{this month}} + E_{VOC, \text{last 11-months}}) \quad (ii)$$

where:

E_{VOC} = the monthly emissions of VOCs in tons per month

u_u = The total amount of uncontrolled coatings used in tons per month (when the capture system or thermal oxidizer is not operating)

$W_{u,avg}$ = the monthly usage weighted average weight percent (%) VOC of uncontrolled coatings used

u_c = the total amount of controlled coatings used in tons per month (when both the capture system and thermal oxidizer are operating)

$W_{c,avg}$ = the monthly usage weighted average weight percent (%) VOC of controlled coatings used

C_{eff} = the overall control efficiency of the control system

PTE_{VOC} = the potential to emit VOCs in tons per twelve (12) consecutive month period

☒ No deviation occurred in this quarter.
☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: Michael Kelsey
Title / Position: Environmental Engineer

Signature: _____

Date: _____

Phone: 765-331-2437

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45966-00004

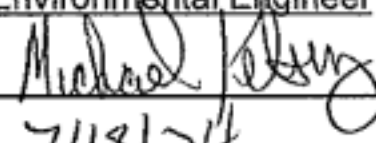
Facility: **Extrusion Line**
Parameter: VOC Emissions (after control)
Limit: Extrusion Line VOC emissions shall be limited to **40** tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Quarter: 2 Year: 2024

Month	VOC Emissions (tons) This Month	VOC Emissions (tons) Previous 11 Months	VOC Emissions (tons) 12 Month total
Apr	0.0019	0.0171	0.0190
May	0.0021	0.0185	0.0206
Jun	0.0033	0.0204	0.0237

☒ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: Michael Kelsey
Title / Position: Environmental Engineer
Signature: 
Date: 7/18/24
Phone: 765-331-2437

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

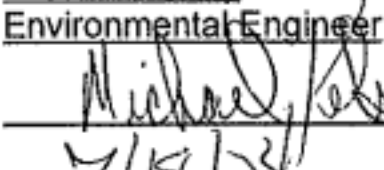
Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45966-00004

Facility: **VCS Coating Line**
Parameter: VOC Emissions (after control)
Limit: The VCS Coating Line VOC emissions shall be limited to **40 tons per twelve (12) consecutive month period**, with compliance determined at the end of each month.

Quarter: 2 Year: 2024

Month	VOC Emissions (tons) This Month	VOC Emissions (tons) Previous 11 Months	VOC Emissions (tons) 12 Month total
Apr	0.03	0.30	0.33
May	0.03	0.31	0.34
Jun	0.03	0.30	0.31

- ☒ No deviation occurred in this quarter.
- ☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: Michael Kelsey
Title / Position: Environmental Engineer
Signature: 
Date: 7/18/24
Phone: 765-331-2437

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45966-00004

Facility: **Three Boilers (EU008, EU009 and EU010)**
Parameter: Fuel Oil No. 2 Usage
Limit: The total combined amount of fuel oil combusted in 3 boilers shall be less than 2.3 million gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Quarter: 2 Year: 2024

Month	Fuel Oil No. 2 Usage (gal)	Fuel Oil No. 2 Usage (gal)	Fuel Oil No. 2 Usage (gal)
	This Month	Previous 11 Months	12 Month total
Apr	0.0	0.0	0.0
May	0.0	0.0	0.0
Jun	0.0	0.0	0.0

☒ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: Michael Kelsey
Title / Position: Environmental Engineer

Signature: _____

Date: _____

Phone: 765-331-2437

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45966-00004

Facility: **Degreasers**
Parameter: VOC Emissions
Limit: Less than 15 pounds per day

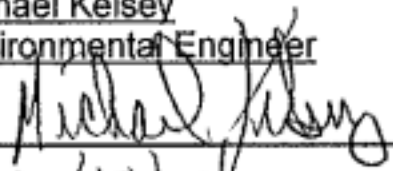
Month: Apr Year: 2024

Day	Total VOC Emissions (lbs/day)	Day	Total VOC Emissions (lbs/day)
1	0	17	0
2	0	18	0
3	0	19	8.07
4	8.07	20	0
5	8.07	21	0
6	0	22	0
7	0	23	0
8	0	24	8.07
9	0	25	8.07
10	8.07	26	8.07
11	0	27	8.07
12	8.07	28	0
13	8.07	29	8.07
14	0	30	0
15	0		
16	8.07		

☒ No deviation occurred in this period.

☐ Deviation/s occurred in this period.
Deviation has been reported on:

Submitted by: Michael Kelsey
Title / Position: Environmental Engineer

Signature: 

Date: 7/18/24

Phone: 765-331-2437

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Part 70 Quarterly Report**

Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45966-00004

Facility: **Degreasers**
Parameter: VOC Emissions
Limit: Less than 15 pounds per day

Month: May Year: 2024

Day	Total VOC Emissions (lbs/day)	Day	Total VOC Emissions (lbs/day)
1	8.07	17	8.07
2	8.07	18	0
3	0	19	0
4	0	20	8.07
5	0	21	8.07
6	0	22	0
7	8.07	23	8.07
8	0	24	12.11
9	0	25	0
10	8.07	26	0
11	0	27	0
12	0	28	8.07
13	0	29	8.07
14	0	30	0
15	8.07	31	0
16	8.07		

☒ No deviation occurred in this period.

☐ Deviation/s occurred in this period.
Deviation has been reported on:

Submitted by: Michael Kelsey
Title / Position: Environmental Engineer

Signature: _____

Date: _____

Phone: 765-331-2437

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Part 70 Quarterly Report**

Source Name: 3M Hartford City
Source Address: 304S 075E, Hartford City, Indiana 47348
Part 70 Permit No.: Title V T009-45966-00004

Facility: **Degreasers**
Parameter: VOC Emissions
Limit: Less than 15 pounds per day

Month: June Year: 2024

Day	Total VOC Emissions (lbs/day)	Day	Total VOC Emissions (lbs/day)
1	0	17	0
2	0	18	0
3	0	19	0
4	8.07	20	0
5	8.07	21	0
6	0	22	0
7	8.07	23	0
8	0	24	8.07
9	0	25	0
10	8.07	26	0
11	8.07	27	8.07
12	8.07	28	0
13	8.07	29	0
14	8.07	30	0
15	0		
16	0		

☒ No deviation occurred in this period.

☐ Deviation/s occurred in this period.
Deviation has been reported on:

Submitted by: Michael Kelsey
Title / Position: Environmental Engineer

Signature: 

Date: 7/18/24

Phone: 765-331-2437

3M Hartford City
0304S 075E
Hartford City, IN 47348 United States



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JUL 26, 2024

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Indiana Dept of Environmental Management
Compliance and Enforcement Branch
Office of Air Quality
100 N. Senate Ave., MC61-53 IGCN 1003
Indianapolis, IN 46204-2251