



Corteva Agriscience
9330 Zionsville Rd.
Indianapolis, IN 46268
TEL (317) 337-0000

Received State of Indiana

AUG 01 2024

Department of Environmental Management
OFFICE OF AIR QUALITY

July 31, 2024

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

cc: Eileen Salathe, 308

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

SECOND QUARTER 2024 REPORTS:

1. QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT
2. FUEL USAGE QUARTERLY REPORT

Attached are the reports required by sections C.16 and D.1.6 of our Federally Enforceable State Operating Permit (FESOP) No. – F097-40660-00259 and 097-43653-00259.

Please contact me at (317) 502-3976 if you have questions about the contents of these reports.

Sincerely,

Kimberly Decker

EH&S Indianapolis Leader

9330 Zionsville Rd. Indianapolis, IN 46268

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**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Corteva Agriscience, LLC
Source Address: 9330 Zionsville Road, Indianapolis, Indiana 46268
FESOP Permit No.: F097-40660-00259 and 097-43653-00259

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): FESOP Quarterly Report Second Quarter 2024
- 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: Thomas Cornelius

Title/Position: Indianapolis Site Leader

Date: July 31, 2024

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Corteva Agriscience, LLC
Source Address: 9330 Zionsville Road, Indianapolis, Indiana 46268
FESOP Permit No.: F097-40660-00259 and 097-43653-00259

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-8-12

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation: N/A

Control Equipment: N/A

Permit Condition or Operation Limitation in Permit: N/A

Description of the Emergency: N/A

Describe the cause of the Emergency: N/A

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started: N/A
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe: N/A
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other: N/A
Estimated amount of pollutant(s) emitted during emergency: N/A
Describe the steps taken to mitigate the problem: N/A
Describe the corrective actions/response steps taken: N/A
Describe the measures taken to minimize emissions: N/A
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value: N/A

Form Completed by: Kimberly Decker

Title / Position: EH&S Indianapolis Leader

Date: July 31, 2024

Phone: 317-337-5330

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH**

FESOP Quarterly Report

Source Name: Corteva Agriscience, LLC
 Source Address: 9330 Zionsville Road, Indianapolis, Indiana 46268
 FESOP Permit No.: F097-40660-00259 and 097-43653-00259
 Facility: All fuel combustion equipment at this source
 Parameters: Carbon Monoxide (CO)
 Limit: CO emissions from all fuel combustion equipment at the source shall be less than 100 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. The Permittee shall calculate CO emissions using the following equation:

$$CO = \frac{G(EG_{CO}) + D(ED_{CO})}{2000 \text{ pounds/ton}}$$

where: CO = tons of CO emissions for a reporting period
 G = million cubic feet of natural gas used during a reporting period
 D = gallons of diesel fuel used during a reporting period
 EG_{CO} = 84 pounds of CO per million cubic feet of natural gas
 ED_{CO} = 0.116 pounds of CO per gallon of diesel fuel

Quarter: Second

Year: 2024

Month	Column 1	Column 2	Column 1 + Column 2
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
April 2024	0.8	10.7	11.5
May 2024	0.5	10.6	11.2
June 2024	0.5	10.5	11.0

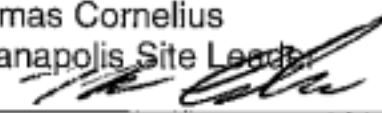
No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: Thomas Cornelius

Title / Position: Indianapolis Site Leader

Signature: 

Date: July 31, 2024

Phone: 317-337-4679

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH**

FESOP Quarterly Report

Source Name: Corteva Agriscience, LLC
 Source Address: 9330 Zionsville Road, Indianapolis, Indiana 46268
 FESOP Permit No.: F097-40660-00259 and 097-43653-00259
 Facility: All fuel combustion equipment at this source
 Parameter: Nitrogen Oxides (NOx)
 Limit: NOx emissions from all fuel combustion equipment at the source shall be less than 100 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. The Permittee shall calculate NOx emissions using the following equation:

$$NO_x = \frac{G(EG_{NO_x}) + D(ED_{NO_x})}{2000 \text{ pounds/ton}}$$

where: NOx = tons of NOx emissions for a reporting period
 G = million cubic feet of natural gas used during a reporting period
 D = gallons of diesel fuel used during a reporting period
 EG_{NOx} = 100 pounds of NOx per million cubic feet of natural gas
 ED_{NOx} = 0.438 pounds of Nox per gallon of diesel fuel

Quarter: Second Year: 2024

Month	Column 1	Column 2	Column 1 + Column 2
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
April 2024	1.0	13.4	14.3
May 2024	0.7	13.3	14.0
June 2024	0.8	13.1	13.9

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: Thomas Cornelius

Title / Position: Indianapolis Site Leader

Signature: _____

Date: July 31, 2024

Phone: 317-337-4679

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Corteva Agriscience, LLC
Source Address: 9330 Zionsville Road, Indianapolis, Indiana 46268
FESOP Permit No.: F097-40660-00259 and 097-43653-00259

Months: April to June Year: 2024

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C- General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<p><input checked="" type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</p>	
<p><input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: Kimberly Decker

Title / Position: EH&S Indianapolis Leader

Date: July 31, 2024

Phone: 317-337-5330

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9330 ZIONSVILLE RD
INDIANAPOLIS, IN 46268
UNITED STATES US

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TO IN DEPT OF ENVIRONMENTAL MANAGEMENT
COMPLIANCE & ENFORCEMENT BRANCH
100 NORTH SENATE AVE, MC 61-53
IGCN 1003 - OFC OF AIR QUALITY
INDIANAPOLIS IN 462042251

(317) 233-0178
DEPT: KIMBERLY DECKER

REF: IN DEPT OF ENVIRONMENTAL MGMT



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