



Waste & Recycling Services

3990 Generation Drive, Cincinnati, OH 45251
Phone: 1-800-828-8171 Fax: 513-851-2057



June 26, 2024

Received
JUN 27 2024
State of Indiana

FEDERAL EXPRESS

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: Rumpke of Indiana, LLC - Medora Sanitary Landfill
546 S. County Road 870 West, Medora, Indiana 47260-9525
Facility ID 071-00038
Significant Permit Modification No. 071-46831-00038
RY 2023 Air Emission Statement**

To Whom It May Concern:

Pursuant to Term and Condition C.15 of the Title V Operating Permit #T071-46831-00038 for the Rumpke of Indiana, LLC – Medora Sanitary Landfill, we are submitting the Reporting Year (RY) 2023 Air Emission Statement (AES). The RY 2023 AES data was uploaded using the EMITS reporting system. Attached are the RY 2023 AES EMITS printouts, the annual emission statement certification Form AES-01, and the report certification form from the Title V operating permit.

If you need any additional information, please do not hesitate to contact us at (513) 851-0122 ext. 3152 or e-mail to john.butler@rumpke.com.

Sincerely,

RUMPKE OF INDIANA, LLC

John R. Butler, P.E.
Site Engineer

IDEM, OAQ/USEPA Region 5

June 26, 2024

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Attachments

cc: Brad Marlow, Rumpke Landfill Manager (w/attachments)
Chris Jaquet – Rumpke Director of Engineering and Landfill Operations
Rahul Sukharia, Rumpke Senior Site Engineer, West Area
Brad Goll – Optim Environmental Resources, Inc.
File: Medora C.2 (w/attachments)

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

Recieved
JUN 27 2024
State of Indiana

Source Name: Rumpke of Indiana, LLC - Medora Sanitary Landfill
Source Address: 546 S CR 870 West, Medora, Indiana 47260-9525
Part 70 Permit No.: T071-42153-00038

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) Reporting Year 2023 Air Emission Statement
- 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: *William J. Rumpke Jr*

Printed Name: William J. Rumpke, Jr.

Title/Position: President

Phone: (513)851-0122

Date: *6/26/2024*



AES-01
AIR EMISSION STATEMENT CERTIFICATION
 State Form 52052 (3-05)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Received

JUN 27 2024



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/>

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 2-7-1 (34), and is usually designated in the General Information section of the permit.

State of Indiana

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: RUMPKE OF INDIANA, LLC - MEDORA SANITARY LANDFILL		2. Source ID: 1807100038	
3. Mailing Address: 3990 Generation Drive			
City: Cincinnati		State: OH	ZIP Code: 45251
4. Name of Emission Statement Preparer: John R. Butler			
5. Title of Emission Statement Preparer (optional): Senior Site Engineer, West Area			
6. Telephone Number: (513) 851-0122 ext. 3152		7. Facsimile Number (optional): (513) 825-4983	
8. Electronic Mail Address (optional): John.Butler@rumpke.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 (NH3)	2.35
Carbon Monoxide (CO)	2.46
Lead (PB)	
Nitrogen Dioxide (NO2)	0
Primary PM10, Filterable Portion Only (PM10-FIL)	21.72
Primary PM2.5, Filterable Portion Only (PM25-FIL)	2.23
Sulfur Dioxide (SO2)	0
Volatile Organic Compounds (VOC)	0.42

Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emitted
Tetrachloroethylene (Perc) (CAS#127184)	0.06
Chlorine (CAS# 7782505)	
Hydrochloric Acid (CAS# 7647010)	0
Hydrofluoric Acid (CAS# 7664393)	0
Methyl Chloroform or 1,1,1-Trichloroethane (CAS# 71556)	6.11E-04
Methylene Chloride or Dichloromethane (CAS# 75092)	0.11
Phosphine (CAS# 7803512)	
Mercury and Mercury Compounds (CAS#7439976 and TRI ID N458)	1.58E-05

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.

William J. Rumpke, Jr.

President

Name of Responsible Official (typed or printed)

Title of Responsible Official

William J. Rumpke, Jr.

06/26/2024

Signature of Responsible Official

Date (month, day, year)

Facility Emission Detail

Rumpke of Indiana LLC Medora Sanitary L

Plant ID:1807100038

Report for 2023

Location: 546 S CR 870 W,Medora,47260

NAICS: 562212 Solid Waste Landfill

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
NH3	Ammonia	2.35
CO	Carbon Monoxide	2.46
PM10-FIL	Primary PM10, Filterable Portion Only	21.7206
PM25-FIL	Primary PM2.5, Filterable Portion Only	2.2281
VOC	Volatile Organic Compounds	0.416

Group ID: 001		Group Description:ROADWAYS		
Percent Quarterly Throughput				
Winter: 24	Spring: 29	Summer: 24	Fall: 23	
Days Per Week: 6	Weeks Per Year: 52	Hours Per Day: 11	Hours Per Year: 3172	
Process ID: 01		Process Description: PAVED ROADS		
SCC:	30301566	Stack:	1	
	Primary Metal Production	Description:	ROADWAYS	
	Integrated Iron and Steel Manufacturing	Stack Type:	Fugitive	
	Paved Roads: All Vehicle Types	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	0	
Throughput:	11842 Miles	Gas Flow:	0	
Material:	Vehicle	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	75	0.38
PM25-FIL	Engineering Judgement	0	75	0.09

Facility Emission Detail

Rumpke of Indiana LLC Medora Sanitary L

Plant ID:1807100038

Report for 2023

Location: 546 S CR 870 W,Medora,47260

NAICS: 562212 Solid Waste Landfill

Process ID: 02		Process Description: UNPAVED ROADS		
SCC:	30301569	Stack:	1	
	Primary Metal Production	Description:	ROADWAYS	
	Integrated Iron and Steel Manufacturing	Stack Type:	Fugitive	
	Unpaved Roads: Heavy Duty Vehicles	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	0	
Throughput:	121606 Miles	Gas Flow:	0	
Material:	Vehicle	Input/Output:	Process Material Produced (Output)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	75	21.29
PM25-FIL	Engineering Judgement	0	75	2.13
Group ID: 002		Group Description: SOLID WASTE DISPOSAL		
Percent Quarterly Throughput				
Winter: 24	Spring: 29	Summer: 24	Fall: 23	
Days Per Week: 6	Weeks Per Year: 52	Hours Per Day: 11	Hours Per Year: 3172	
Process ID: 01		Process Description: SOLID WASTE PARTICULATES		
SCC:	50300899	Stack:	3	
	Solid Waste Disposal - Industrial	Description:	LANDFILL	
	Treatment, Storage, Disposal/TSD	Stack Type:	Fugitive	
	General: Fugitive Emissions	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	0	
Throughput:	644760 Tons	Gas Flow:	0	
Material:	Material	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	0	0.05
PM25-FIL	Engineering Judgement	0	0	0.008

Facility Emission Detail

Rumpke of Indiana LLC Medora Sanitary L

Plant ID:1807100038

Report for 2023

Location: 546 S CR 870 W,Medora,47260

NAICS: 562212 Solid Waste Landfill

Group ID: 003		Group Description: LANDFILL GAS EMISSIONS		
Percent Quarterly Throughput				
Winter: 25	Spring: 25	Summer: 25	Fall: 25	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760	
Process ID: 01		Process Description: FUGITIVE GAS EMISSIONS		
SCC:	50300603	Stack:	3	
	Solid Waste Disposal - Industrial	Description:	LANDFILL	
	Landfill Dump	Stack Type:	Fugitive	
	Hazardous: Fugitive Emissions	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	0	
Throughput:	482.98 Million Cubic Feet	Gas Flow:	0	
Material:	Waste Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	Engineering Judgement	0	0	2.46
NH3	Engineering Judgement	0	0	2.35
VOC	Engineering Judgement	0	0	0.41
127184	Engineering Judgement	0	0	0.06
71556	Engineering Judgement	0	0	0.0006
7439976	Engineering Judgement	0	0	0.0000
75092	Engineering Judgement	0	0	0.11

Facility Emission Detail

Rumpke of Indiana LLC Medora Sanitary L

Plant ID:1807100038

Report for 2023

Location: 546 S CR 870 W,Medora,47260

NAICS: 562212 Solid Waste Landfill

Group ID: 004		Group Description: SOLIDIFICATION		
Percent Quarterly Throughput				
Winter: 25	Spring: 44	Summer: 17	Fall: 14	
Days Per Week: 6	Weeks Per Year: 52	Hours Per Day: 11	Hours Per Year: 3172	
Process ID: 01		Process Description: SOLIDIFICATION		
SCC:	50410120	Stack:	4	
	Site Remediation	Description:	SOLIDIFICATION	
	Stabilization/Solidification	Stack Type:	Fugitive	
	Process	Height:	0	
Heat Content:	0	Diameter:	0	
Sulfur Content:	0	Temperature:	70	
Ash Content:	0	Velocity:	0	
Throughput:	5636 Tons	Gas Flow:	0	
Material:	Material	Input/Output:	Process Material Produced (Outut)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
VOC	Material Balance	0	0	0.006
PM10-FIL	Engineering Judgement	0	0	0.0006
PM25-FIL	Engineering Judgement	0	0	0.0001