



DEPARTMENT OF THE ARMY  
MUSCATATUCK TRAINING CENTER  
POST OFFICE BOX 77  
BUTLERVILLE, INDIANA 47223



June 25, 2024

Director of Public Works

Received State of Indiana

JUN 26 2024

Department of Environmental Management  
OFFICE OF AIR QUALITY

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 N. Senate Ave.  
Mail code 61-53 IGCN 1003  
Indianapolis, IN 46204-2251

To whom it may concern:

In accordance with permit condition C.16, the triennial emission certification statement is enclosed.

If you have any questions about this documents, please contact Mr. Jim Gross at [james.d.gross28.nfy@army.mil](mailto:james.d.gross28.nfy@army.mil).

Sincerely,

GUNTER.ADA M.LEE.126455 7506  
Digitally signed by  
GUNTER.ADAM.LEE.1264  
557506  
Date: 2024.06.25  
13:42:22 -04'00'

Adam Gunter  
State Director of Operations  
Muscatatuck Training Center

Enclosure



AES-01

**AIR EMISSION STATEMENT CERTIFICATION**

State Form 52052 (3-05)



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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

**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: Muscatatuck Training Center		2. Source ID: 1807900002	
3. Mailing Address: P.O. Box 77			
City: Butlerville	State: IN	ZIP Code: 47223	
4. Name of Emission Statement Preparer: Jim		Gross	
5. Title of Emission Statement Preparer (optional): Air Compliance Manager			
6. Telephone Number: (317)-247-3300		7. Facsimile Number (optional):	
8. Electronic Mail Address (optional): james.d.gross28.nfg@army.mil			

**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	0.0212
Carbon Monoxide (CO)	2.9614
Condensable Particulate Matter (PM-CON)	2.6760
Filterable Particulate Matter <10 Microns (PM10-FIL)	1.3881
Lead (PB)	0.0011
Nitrogen Dioxide (NO2)	4.6498
Primary PM2.5, Filterable Portion Only	0.3257
Sulfur Dioxide (SO2)	12.4930
Volatile Organic Compounds (VOC)	0.1786
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emitted
Hydrochloric Acid (CAS# 7647010)	0.0261
Hydrofluoric Acid (CAS# 7664393)	0.0178
Mercury and Mercury Compounds (CAS#7439976 and TRI ID N458)	0.0000
Methylene Chloride or Dichloromethane (CAS# 75092)	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.

Adam Gunter

State Director of Operations

Name of Responsible Official (typed or printed)

Title of Responsible Official

GUNTER.ADAM.LEE.1264  
 557506

Digitally signed by  
 GUNTER.ADAM.LEE.1264557506  
 Date: 2024.06.25 13:42:58 -04'00'

Signature of Responsible Official

Date (month, day, year)

**Facility Emission Detail****Muscatatuck Training Center**

Plant ID:1807900002

Report for 2023

Location: 4230 Administration Dr,Butlerville,47223

NAICS: 92811 National Security

<b>Facility Emissions Overview</b>		
<b>Pollutant</b>	<b>Pollutant Description</b>	<b>Emissions (Tons)</b>
NH3	Ammonia	0.0212
CO	Carbon Monoxide	2.9614
7439921	Lead	0.0011
NOX	Nitrogen Oxides	4.6498
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	2.6760
PM10-FIL	Primary PM10, Filterable Portion Only	1.3881
PM25-FIL	Primary PM2.5, Filterable Portion Only	0.3257
SO2	Sulfur Dioxide	12.4930
VOC	Volatile Organic Compounds	0.1786

# Facility Emission Detail

## Muscatatuck Training Center

Plant ID:1807900002

Report for 2023

Location: 4230 Administration Dr,Butlerville,47223

NAICS: 92811 National Security

<b>Group ID: 001</b>		<b>Group Description:BOILER #1A NATURAL GAS FIRED</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 71</b>	<b>Spring: 0</b>	<b>Summer: 4</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: BOILER NO 1A GAS</b>		
<b>SCC:</b>	10300602	<b>Stack:</b>	4	
	Commercial/Institutional	<b>Description:</b>	40 FEET STEEL BOILER #1 (B-1)	
	Natural Gas	<b>Stack Type:</b>	Vertical	
	10-100 Million Btu/hr	<b>Height:</b>	40	
<b>Heat Content:</b>	1010	<b>Diameter:</b>	2	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	360	
<b>Ash Content:</b>	0	<b>Velocity:</b>	34.51	
<b>Throughput:</b>	7.55 Million Cubic Feet	<b>Gas Flow:</b>	6505	
<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>
NH3	EPA Emission Factor	0.49	0	0.0018
CO	EPA Emission Factor	84	0	0.3171
NOX	EPA Emission Factor	100	0	0.3775
7439921	EPA Emission Factor	0.0005	0	0.0000
SO2	EPA Emission Factor	0.6	0	0.0023
VOC	EPA Emission Factor	5.5	0	0.0208
PM10-FIL	EPA Emission Factor	1.9	0	0.0072
PM25-FIL	EPA Emission Factor	1.9	0	0.0072
PM-CON	EPA Emission Factor	5.7	0	0.0215
7439976	EPA Emission Factor	0.00026	0	0.0000

# Facility Emission Detail

## Muscatatuck Training Center

Report for 2023

Plant ID:1807900002

Location: 4230 Administration Dr,Butlerville,47223

NAICS: 92811 National Security

<b>Group ID: 002</b>		<b>Group Description:BOILER #2 COAL FIRED</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 100</b>	<b>Spring: 0</b>	<b>Summer: 0</b>	<b>Fall: 0</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: BOILER NO 2 COAL</b>		
<b>SCC:</b>	10300225	<b>Stack:</b>	1	
	Commercial/Institutional	<b>Description:</b>	175 BRICK BOILER #2 (B-2)	
	Bituminous/Subbituminous Coal	<b>Stack Type:</b>	Vertical	
	Traveling Grate (Overfeed) Stoker (Subbituminous Coal)	<b>Height:</b>	175	
<b>Heat Content:</b>	26	<b>Diameter:</b>	6	
<b>Sulfur Content:</b>	3	<b>Temperature:</b>	55	
<b>Ash Content:</b>	8.1	<b>Velocity:</b>	17.09	
<b>Throughput:</b>	237 Tons	<b>Gas Flow:</b>	29000	
<b>Material:</b>	Subbituminous Coal	<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>
7664393	EPA Emission Factor	0.15	0	0.0178
NH3	EPA Emission Factor	0.00057	0	0.0001
PM-CON	Stack Test	0	0	2.49
7647010	Site-Specific Emission Factor	0.22	0	0.0261
CO	Site-Specific Emission Factor	2.75	0	0.3259
PM10-FIL	Site-Specific Emission Factor	11.15	0	1.3213
PM25-FIL	EPA Emission Factor	2.2	0	0.2607
VOC	EPA Emission Factor	0.05	0	0.0059
7439921	EPA Emission Factor	0.00887	0	0.0011
NOX	Site-Specific Emission Factor	11.62	0	1.3770
SO2	EPA Emission Factor	35	0	12.4425
7439976	Site-Specific Emission Factor	0.00031	0	0.0000
75092	Site-Specific Emission Factor	0.00029	0	0.0000

# Facility Emission Detail

## Muscatatuck Training Center

Plant ID:1807900002

Report for 2023

Location: 4230 Administration Dr,Butlerville,47223

NAICS: 92811 National Security

<b>Group ID: 003</b>		<b>Group Description:BOILER #3 OIL FIRED</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 68</b>	<b>Spring: 32</b>	<b>Summer: 0</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: BOILER NO 3 OIL</b>		
<b>SCC:</b>	10300501	<b>Stack:</b>	2	
	Commercial/Institutional	<b>Description:</b>	65 FEET STEEL BOILER #3 (B-3)	
	Distillate Oil	<b>Stack Type:</b>	Vertical	
	Grades 1 and 2 Oil	<b>Height:</b>	65	
<b>Heat Content:</b>	140	<b>Diameter:</b>	1.7	
<b>Sulfur Content:</b>	0.03	<b>Temperature:</b>	360	
<b>Ash Content:</b>	0	<b>Velocity:</b>	34.51	
<b>Throughput:</b>	14.997 1000 Gallons	<b>Gas Flow:</b>	4700	
<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>
7439976	EPA Emission Factor	0.00042	0	0.0000
NOX	EPA Emission Factor	24	0	0.1800
SO2	EPA Emission Factor	142	0	0.0319
CO	EPA Emission Factor	5	0	0.0375
NH3	EPA Emission Factor	0.8	0	0.0060
PM25-FIL	EPA Emission Factor	0.83	0	0.0062
PM-CON	EPA Emission Factor	1.3	0	0.0097
7439921	EPA Emission Factor	0.00125	0	0.0000
PM10-FIL	EPA Emission Factor	1.08	0	0.0081
VOC	EPA Emission Factor	0.34	0	0.0025

# Facility Emission Detail

## Muscatatuck Training Center

Plant ID:1807900002

Report for 2023

Location: 4230 Administration Dr,Butlerville,47223

NAICS: 92811 National Security

<b>Group ID: 004</b>		<b>Group Description: BOILER #4 COAL FIRED</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 100</b>	<b>Spring: 0</b>	<b>Summer: 0</b>	<b>Fall: 0</b>	
<b>Days Per Week: 1</b>	<b>Weeks Per Year: 1</b>	<b>Hours Per Day: 1</b>	<b>Hours Per Year: 1</b>	
<b>Process ID: 01</b>		<b>Process Description: BOILER NO. 4 COAL FIRED</b>		
<b>SCC:</b>	10300225	<b>Stack:</b>	3	
	Commercial/Institutional	<b>Description:</b>	40 FEET STEEL BOILER #4 (B-4)	
	Bituminous/Subbituminous Coal	<b>Stack Type:</b>	Vertical	
	Traveling Grate (Overfeed) Stoker (Subbituminous Coal)	<b>Height:</b>	40	
<b>Heat Content:</b>	0	<b>Diameter:</b>	3.7	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	410	
<b>Ash Content:</b>	0	<b>Velocity:</b>	21.21	
<b>Throughput:</b>	0 Tons	<b>Gas Flow:</b>	13860	
<b>Material:</b>	Subbituminous Coal	<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>
7439976	Site-Specific Emission Factor	0.00022	0	0
75092	Site-Specific Emission Factor	0.00029	0	0
NH3	EPA Emission Factor	0.00057	0	0
PM-CON	Stack Test	0	0	0
7647010	EPA Emission Factor	1.2	0	0
CO	EPA Emission Factor	6	0	0
PM10-FIL	Site-Specific Emission Factor	0	0	0
PM25-FIL	Site-Specific Emission Factor	0	0	0
7439921	EPA Emission Factor	0.00887	0	0
NOX	EPA Emission Factor	7.5	0	0
SO2	EPA Emission Factor	0	0	0
VOC	EPA Emission Factor	0.05	0	0
7664393	EPA Emission Factor	0.15	0	0

# Facility Emission Detail

## Muscatatuck Training Center

Plant ID:1807900002

Report for 2023

Location: 4230 Administration Dr,Butlerville,47223

NAICS: 92811 National Security

<b>Group ID: 005</b>		<b>Group Description: BOILER B-5 NATURAL GAS</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 32</b>	<b>Spring: 32</b>	<b>Summer: 15</b>	<b>Fall: 21</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: BOILER B-5 NATURAL GAS</b>		
<b>SCC:</b>	10300602	<b>Stack:</b>	5	
	Commercial/Institutional	<b>Description:</b>	40 FEET STEEL BOILER #5 (B-5)	
	Natural Gas	<b>Stack Type:</b>	Vertical	
	10-100 Million Btu/hr	<b>Height:</b>	40	
<b>Heat Content:</b>	1020	<b>Diameter:</b>	2	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	360	
<b>Ash Content:</b>	0	<b>Velocity:</b>	1	
<b>Throughput:</b>	54.3071 Million Cubic Feet	<b>Gas Flow:</b>	1400	
<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>
NH3	EPA Emission Factor	0.49	0	0.0133
CO	EPA Emission Factor	84	0	2.2809
NOX	EPA Emission Factor	100	0	2.7154
7439921	EPA Emission Factor	0.0005	0	0.0000
SO2	EPA Emission Factor	0.6	0	0.0163
VOC	EPA Emission Factor	5.5	0	0.1493
PM10-FIL	EPA Emission Factor	1.9	0	0.0516
PM25-FIL	EPA Emission Factor	1.9	0	0.0516
PM-CON	EPA Emission Factor	5.7	0	0.1548
7439976	EPA Emission Factor	0.00026	0	0.0000



# Facility Emission Detail

## Muscatatuck Training Center

Report for 2023

Plant ID:1807900002

Location: 4230 Administration Dr,Butlerville,47223

NAICS: 92811 National Security

<b>Group ID:</b> 006		<b>Group Description:</b> BOILER #1A OIL FIRED		
<b>Percent Quarterly Throughput</b>				
<b>Winter:</b> 100	<b>Spring:</b> 0	<b>Summer:</b> 0	<b>Fall:</b> 0	
<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> BOILER NO 1A OIL		
<b>SCC:</b>	10300502	<b>Stack:</b>	4	
	Commercial/Institutional	<b>Description:</b>	40 FEET STEEL BOILER #1 (B-1)	
	Distillate Oil	<b>Stack Type:</b>	Vertical	
	10-100 Million Btu/hr **	<b>Height:</b>	40	
<b>Heat Content:</b>	140	<b>Diameter:</b>	2	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	360	
<b>Ash Content:</b>	0	<b>Velocity:</b>	34.51	
<b>Throughput:</b>	0 1000 Gallons	<b>Gas Flow:</b>	6505	
<b>Material:</b>	Distillate Oil	<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>
NOX	EPA Emission Factor	20	0	0
PM10-FIL	EPA Emission Factor	1.08	0	0
SO2	EPA Emission Factor	142	0	0
VOC	EPA Emission Factor	0.556	0	0
PM25-FIL	EPA Emission Factor	0.83	0	0
PM-CON	EPA Emission Factor	1.3	0	0
NH3	EPA Emission Factor	0.8	0	0
CO	EPA Emission Factor	5	0	0

# Facility Emission Detail

## Muscatatuck Training Center

Plant ID:1807900002

Report for 2023

Location: 4230 Administration Dr,Butlerville,47223

NAICS: 92811 National Security

<b>Group ID: 007</b>		<b>Group Description:BOILER B-5 OIL FIRED</b>		
<b>Percent Quarterly Throughput</b>				
<b>Winter: 100</b>	<b>Spring: 0</b>	<b>Summer: 0</b>	<b>Fall: 0</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: BOILER B-5 OIL</b>		
<b>SCC:</b>	10300502	<b>Stack:</b>	5	
	Commercial/Institutional	<b>Description:</b>	40 FEET STEEL BOILER #5 (B-5)	
	Distillate Oil	<b>Stack Type:</b>	Vertical	
	10-100 Million Btu/hr **	<b>Height:</b>	40	
<b>Heat Content:</b>	140	<b>Diameter:</b>	2	
<b>Sulfur Content:</b>	0	<b>Temperature:</b>	360	
<b>Ash Content:</b>	0	<b>Velocity:</b>	1	
<b>Throughput:</b>	0 1000 Gallons	<b>Gas Flow:</b>	1400	
<b>Material:</b>	Distillate Oil	<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>
NH3	EPA Emission Factor	0.8	0	0
CO	EPA Emission Factor	5	0	0
NOX	EPA Emission Factor	20	0	0
PM10-FIL	EPA Emission Factor	1.08	0	0
SO2	EPA Emission Factor	142	0	0
VOC	EPA Emission Factor	0.556	0	0
PM25-FIL	EPA Emission Factor	0.83	0	0
PM-CON	EPA Emission Factor	1.3	0	0