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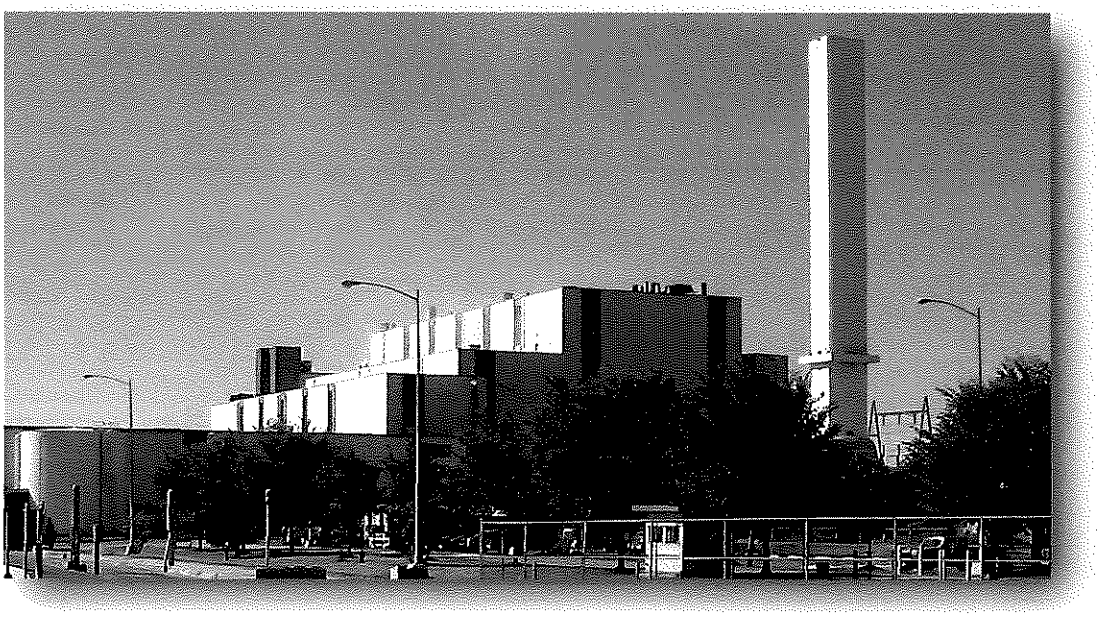
ORIGINAL

Covanta Delaware Valley, LP.



ORIGINAL

Title V Operating Permit Renewal Application

Permit Number 23-00004

Facility Code: 76-0531017-1

2021

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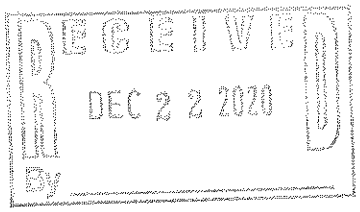
Covanta Delaware Valley, L.P.
10 Highland Avenue
Chester, PA 19013
Tel: 610.497.8100
Fax: 610.497.8042



December 18, 2020

Mr. James Rebarchak
Southeast Region Air Program Manager
Pennsylvania Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

Subject: Covanta Delaware Valley, L.P.
Delaware Valley Resource Recovery Facility (DVRRF)
Title V Permit No. 23-00004
Title V Permit Renewal Application

Dear Mr. Rebarchak:

Covanta Delaware Valley, L.P. respectfully submits three (3) copies of the Title V Permit renewal application pursuant to 25 Pa. Code §127. The renewal application is for the Delaware Valley Resource Recovery Facility (DVRRF) located at 10 Highland Avenue, Delaware County, Chester, Pennsylvania. The units are presently operating under DEP Title V Permit No. 23-00004.

The enclosed submittal is subdivided into the following sections:

- Notifications made to local municipal and county officials of the permit renewal application submittal and proof of receipt
- Title V Permit Renewal Application;
- Addendum 1 for the inclusion of NOX RACT Regulations DVRRF officially became subject to on Jan 1, 2017; and
- Air Pollution Control Act Compliance Review Form.

We request that the following issues be addressed during the renewal process:

- Section D. Source Level Requirements Source IDs: 101-106, Rotary Combustors 1-6, pgs. 22-86. We are requesting that the Source IDs and associated emission restrictions, testing, monitoring, and work practice requirements be grouped together since they are identical for all six units. That grouping of requirements is consistent with the Title V permits for the facilities operated by Covanta in the City of Harrisburg and York and Lancaster Counties as well as the Covanta Plymouth facility (permit excerpt attached).
- Section D.I.002(a) "A certification shall be supplied to the Department stating compliance with maximum allowable ambient concentrations with every stack test report". Inputs from the final stack report are utilized for the ambient analysis. The time to completion of the analysis typically extends beyond the due date of the stack test report. As such, we propose that the ambient analysis be retained

on site for inspection during the Department's annual Air Quality compliance review.

The following amendments were made to the Title V Application to reflect changes in DVRRF personnel and stack conditions observed during most recent annual stacktesting performed at the facility in July, 2020:

- Section 1.3 Contact Information - updated from Kim Bradford to Brandee Blasi, the new facility Environmental Compliance Specialist.
- Section 6.1 General Source Information Unit IDs: 101-106
  - k. Exhaust Flow Volume – updated listed volume from 45,092 SCFM to 68,914 SCFM.
- Section 9.1 General Stack/Vent Inform Unit IDs: S01, S03, and S05:
  - e. Exhaust Temp – updated listed temp from 270 to 285 deg F
  - f. Exhaust Volume – updated listed volume from 138,000 to 125,305 ACFM and 78,150 to 68,914 SCFM

We have reviewed the applicability of the Compliance Assurance Monitoring (CAM) requirements for Covanta Delaware Valley, L.P. as part of the prior Title V permit renewal applications. As stated in Section G of the permit, the Facility is exempt from this regulatory program.

With regard to the aforementioned Compliance Review Form, please note that emissions violations documented by the DVRRF Continuous Emissions Monitoring System, and submitted in quarterly emissions reports to the Department, are not included in the "Compliance Background" section of the Compliance Review Form. These violations are addressed through DEP's Consent Assessment of Civil Penalty (CACP) process.

Enclosed please find a check in the amount of seven hundred and fifty dollars ($750.00), made payable to the "Commonwealth of Pennsylvania", as payment for the permit renewal application fee.

If you have any questions regarding the information provided, please contact me or Brandee Blasi (bblasi@covanta.com) at (610) 497-8100.

Sincerely,

Heather E. Needham
Facility Manager

Attachments

cc: George Eckert (DEP Southeast Regional Office w/o attachments)
Kevin McLemore (DEP Southeast Regional Office w/o attachments)
Jane (Jing) Guo (DEP Southeast Regional Office w/o attachments)
File- Delaware Valley Air Quality

Check Date:	Dec/08/2020		Supplier Number: 0000029683		Check No:	0000383893
Invoice Number	**Invoice Date**	**Voucher ID**	**Gross Amount**	**Discount Taken**	**Late Charge**	**Paid Amount**
051320	May/13/2020	00068413	750.00	0.00	0.00	750.00
PERMIT 23-00004						

Covanta Delaware Valley

RECEIVED
DEC 2 3 2020
BY 23-00004
TVOP Renewal

RECEIVED
DEC 2 3 2020
BY

Check Number	Date		Total Gross Amount	Total Discounts	Total Late Charge	Total Paid Amount
0000383893	Dec/08/2020		$750.00	$0.00	$0.00	$750.00

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Covanta Delaware Valley, L.P.
10 Highland Avenue
Chester, PA 19013
Tel: 610.497.8100
Fax: 610.497.8042

UPS – Proof of Delivery

December 8, 2020

Ms. Linda F. Hill
Director, Delaware County Planning Department
Delaware County Courthouse & Government Center
201 West Front Street
Media, PA 19063

Subject: Covanta Delaware Valley, L.P.
Delaware Valley Resource Recovery Facility (DVRRF)
Title V Operating Permit No. 23-00004
Notification of Permit Renewal Application

Dear Ms. Hill:

Covanta Delaware Valley, L.P. is providing this Municipal Notification, pursuant to Pa Code Section 127.413, to inform you that Covanta is submitting an application for renewal of its Title V Permit for the Delaware Valley Resource Recovery Facility (DVRRF) to the Pennsylvania Department of Environmental Protection (DEP). The facility's Title V Permit is due to expire on September 2, 2021. No modifications of the plant are taking place under this application. The application is being submitted in order to comply with Pennsylvania's Air Pollution Control Act, which was amended on July 9, 1992.

The permit application is for six (6) existing mass burn, rotary combustion units located at 10 Highland Avenue, Chester, Delaware County. The units operate under DEP Title V Operating Permit No. 23-00004 and Solid Waste Disposal and/or Processing Facility Permit No. 400593. The facility is operated and owned by Covanta Delaware Valley, L.P.

The City of Chester and County of Delaware may make comments to the DEP within thirty (30) days of receipt of this notification. This application will be submitted to the DEP before January 2, 2021. The DEP will accept comments from the public on the application. Comments may be submitted to:

Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401
Attention: Mr. James Rebarchak
Manager, Air Quality Program

If you have any questions regarding this matter, please contact me or Brandee Blasi at (610) 497-8100.

Sincerely,

Heather E. Needham
Facility Manager

cc: James Rebarchak (Southeast DEP)
File – Delaware Valley - Title V
Jing Guo (Southeast DEP)

Blasi,Brandee

From: UPS Quantum View <pkginfo@ups.com>
Sent: Wednesday, December 9, 2020 10:29 AM
To: Blasi,Brandee
Subject: UPS Delivery Notification, Tracking Number 1Z1VX7781396092647

CARBON NEUTRAL SHIPMENT

Hello, your package has been delivered.

Delivery Date: Wednesday, 12/09/2020
Delivery Time: 10:20 AM
Left At: DOCK
Signed by: DCCH

COVANTA DELAWARE VALLEY

Tracking Number:	1Z1VX7781396092647
Ship To:	DELAWARE COUNTY COURTHOUSE 201 WEST FRONT STREET DELAWARE COUNTY PLANNING DEPARTMENT MEDIA, PA 19063 US
Number of Packages:	1
UPS Service:	UPS Next Day Air Saver®
Package Weight:	0.0 LBS

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Covanta Delaware Valley, L.P.
10 Highland Avenue
Chester, PA 19013
Tel: 610.497.8100
Fax: 610.497.8042

UPS – Proof of Delivery

December 8, 2020

Mr. Joseph W. Vasturia, PE
Chief Executive Officer
Delaware County Solid Waste Authority
Rose Tree Park, Hunt Club Building
1521 North Providence Road
Media, PA 19063

Subject: Covanta Delaware Valley, L.P.
Delaware Valley Resource Recovery Facility (DVRRF)
Title V Operating Permit No. 23-00004
Notification of Permit Renewal Application

Dear Mr. Vasturia:

Covanta Delaware Valley, L.P. is providing this Municipal Notification, pursuant to Pa Code Section 127.413, to inform you that Covanta is submitting an application for renewal of its Title V Permit for the Delaware Valley Resource Recovery Facility (DVRRF) to the Pennsylvania Department of Environmental Protection (DEP). The facility's Title V Permit is due to expire on September 2, 2021. No modifications of the plant are taking place under this application. The application is being submitted in order to comply with Pennsylvania's Air Pollution Control Act, which was amended on July 9, 1992.

The permit application is for six (6) existing mass burn, rotary combustion units located at 10 Highland Avenue, Chester, Delaware County. The units operate under DEP Title V Operating Permit No. 23-00004 and Solid Waste Disposal and/or Processing Facility Permit No. 400593. The facility is operated and owned by Covanta Delaware Valley, L.P.

The City of Chester and County of Delaware may make comments to the DEP within thirty (30) days of receipt of this notification. This application will be submitted to the DEP before January 2, 2021. The DEP will accept comments from the public on the application. Comments may be submitted to:

Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401
Attention: Mr. James Rebarchak
Manager, Air Quality Program

If you have any questions regarding this matter, please contact me or Brandee Blasi at (610) 497-8100.

Sincerely,

Heather E. Needham
Facility Manager

cc: James Rebarchak (Southeast DEP)
Jing Guo (Southeast DEP)
File – Delaware Valley - Title V

Blasi,Brandee

From: UPS Quantum View <pkginfo@ups.com>
Sent: Wednesday, December 9, 2020 10:12 AM
To: Blasi,Brandee
Subject: UPS Delivery Notification, Tracking Number 1Z1VX7781396265433

CARBON NEUTRAL SHIPMENT

Hello, your package has been delivered.
Delivery Date: Wednesday, 12/09/2020
Delivery Time: 10:09 AM
Left At: OFFICE
Signed by: BEESE

COVANTA DELAWARE VALLEY

Tracking Number:	1Z1VX7781396265433
Ship To:	DEL. CO. SOLID WASTE AUTHORITY CEO ROSE TREE PARK - HUNT CLUB 1521 NORTH PROVIDENCE ROAD MEDIA, PA 19063 US
Number of Packages:	1
UPS Service:	UPS Next Day Air Saver®
Package Weight:	0.0 LBS

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Covanta Delaware Valley, LP.
10 Highland Avenue
Chester, PA 19013
Tel: 610.497.8100
Fax: 610.497.8042

UPS – Proof of Delivery

December 8, 2020

Mr. Kenneth R. Schuster
Solicitor, City of Chester
City Hall
1 Fourth Street
Chester, PA 19013-4400

Subject: Covanta Delaware Valley, L.P.
Delaware Valley Resource Recovery Facility (DVRRF)
Title V Operating Permit No. 23-00004
Notification of Permit Renewal Application

Dear Mr. Schuster:

Covanta Delaware Valley, L.P. is providing this Municipal Notification, pursuant to Pa Code Section 127.413, to inform you that Covanta is submitting an application for renewal of its Title V Permit for the Delaware Valley Resource Recovery Facility (DVRRF) to the Pennsylvania Department of Environmental Protection (DEP). The facility's Title V Permit is due to expire on September 2, 2021. No modifications of the plant are taking place under this application. The application is being submitted in order to comply with Pennsylvania's Air Pollution Control Act, which was amended on July 9, 1992.

The permit application is for six (6) existing mass burn, rotary combustion units located at 10 Highland Avenue, Chester, Delaware County. The units operate under DEP Title V Operating Permit No. 23-00004 and Solid Waste Disposal and/or Processing Facility Permit No. 400593. The facility is operated and owned by Covanta Delaware Valley, L.P.

The City of Chester and County of Delaware may make comments to the DEP within thirty (30) days of receipt of this notification. This application will be submitted to the DEP before January 2, 2021. The DEP will accept comments from the public on the application. Comments may be submitted to:

Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401
Attention: Mr. James Rebarchak
Manager, Air Quality Program

If you have any questions regarding this matter, please contact me or Brandee Blasi at (610) 497-8100.

Sincerely,

HE Needham

Heather E. Needham
Facility Manager

cc: James Rebarchak (Southeast DEP)
File – Delaware Valley - Title V
Jing Guo (Southeast DEP)

Blasi,Brandee

From: UPS Quantum View <pkginfo@ups.com>
Sent: Wednesday, December 9, 2020 11:52 AM
To: Blasi,Brandee
Subject: UPS Delivery Notification, Tracking Number 1Z1VX7781398783825

CARBON NEUTRAL SHIPMENT

Hello, your package has been delivered.

Delivery Date: Wednesday, 12/09/2020
Delivery Time: 11:46 AM
Left At: INSIDE DELIV
Signed by: ID Verified

COVANTA DELAWARE VALLEY

Tracking Number:	1Z1VX7781398783825
Ship To:	CITY OF CHESTER - CITY HALL 1 FOURTH STREET CHESTER, PA 19013 US
Number of Packages:	1
UPS Service:	UPS Next Day Air Saver®
Package Weight:	0.0 LBS

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$750.00
ck#0003835813

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY

FOR OFFICIAL USE ONLY
Title V OP Number:
Reviewed by:
Date:

TITLE V OPERATING PERMIT APPLICATION

RECEIVED
DEC 22 2020
By

Section 1 - General Information

1.1 Application Type

Type of permit for which application is made: (Check one)

- ☐ Initial
- ☒ Renewal Operating Permit No. 23-00004
- ☐ Application Revision - provide date of original Title V Application or OP No.:

1.2 Plant Information

Federal Tax ID/Plant Code: 76-0531017-1 **Firm Name:** COVANTA DELAWARE VALLEY LP/DELAWARE VALLEY RES REC

Plant Name: COVANTA DELAWARE VALLEY CHESTER CITY FAC

NAICS Code: 562213 **SIC Code:** 4953

Description of NAICS Code: Solid Waste Combustors and Incinerators

Description of SIC Code: Trans. & Utilities - Refuse Systems

County: Delaware **Municipality** Chester

Latitude: 39° 49 31.0066 **Longitude:** -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

1.3 Contact Information

Name: BRANDEE BLASI **Title:** ENV COMPLIANCE SPECIALIST

Address: 10 HIGHLAND AVE

CHESTER, PA 19013-2231

Telephone Number: (610) 497-8100

Email Address: bblasi@covanta.com

1.4 Certification of Truth, Accuracy and Completeness

Note: This certification must be signed by a responsible official. Applications without a signed certification will be returned as incomplete.

I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.

(Signed) HEaNeedham **Date:** December 18, 2020

Name (Typed): Heather E. Needham **Title:** Facility Manager

Section 2 - Applicable Requirements for the Entire Site

Describe and cite all applicable requirements pertaining to the entire site.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list site level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Citation No.	Citation Limitation	Limitation Used

Section 3 - Site Inventory

Give a complete list of all air pollution sources, control equipment, emission points, and fuel material locations within this site.

For renewals, only list sources not included in current Title V Operating Permit or sources which are now subject to Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64. If preprinted information is provided, correct and/or add any new sources as necessary. Note: one (1) of the following sections (5, 6 or 7) of the application must be completed for each new source listed here.

Unit ID	Company Designation	Unit Type	CAM
101	Rotary Combuster 1	Incinerator	
102	Rotary Combuster 2	Incinerator	
103	Rotary Combuster 3	Incinerator	
104	Rotary Combuster 4	Incinerator	
105	Rotary Combuster 5	Incinerator	
106	Rotary Combuster 6	Incinerator	
107	Vehicle Traffic On Roads	Process	
108	Cooling Tower	Process	
110	Lime Storage Silo	Process	
111	Ash Handling	Process	
112	Cold Degreasers (2)	Process	
113	Emergency Engine	Process	
114	Emergency Fire Pump Engine	Process	
C01A	Baghouse - Pulse Jet Fabric Filter	Control Device	
C02	Spray Dryer Absorber	Control Device	
C03	Baghouse - Pulse Jet Fabric Filter	Control Device	
C04	Spray Dryer Absorber	Control Device	
C05	Baghouse - Pulse Jet Fabric Filter	Control Device	
C06	Spray Dryer Absorber	Control Device	
C07	Baghouse - Pulse Jet Fabric Filter	Control Device	
C08	Spray Dryer Absorber	Control Device	
C09	Baghouse - Pulse Jet Fabric Filter	Control Device	
C10	Spray Dryer Absorber	Control Device	
C108	Cooling Tower Mist Eliminators	Control Device	
C11	Baghouse - Pulse Jet Fabric Filter	Control Device	
C12	Spray Dryer Absorber	Control Device	
S01	Combustor 1 Stack	Point of Air Emission	
S02	Combustor 2 Stack	Point of Air Emission	
S03	Combustor 3 Stack	Point of Air Emission	
S04	Combustor 4 Stack	Point of Air Emission	
S05	Combustor 5 Stack	Point of Air Emission	
S06	Combustor 6 Stack	Point of Air Emission	

S110	Lime Storage Stack	Point of Air Emission	
S113	Emergency Engine Stack	Point of Air Emission	
S114	Emergency Fire Pump Engine Stack	Point of Air Emission	
Z01	Road Dust Emissions	Point of Air Emission	
Z108	Cooling Tower Fugitives	Point of Air Emission	
Z111	Ash Handling Fugitives	Point of Air Emission	
Z112	Degreaser Fugitives	Point of Air Emission	
FML01	Natural Gas Pipeline	Fuel Material Location	
FML02	Municipal Waste Storage Pit	Fuel Material Location	

Section 4 - Source Group (Optional)

4.1 Source Group Definition

Define groups of source(s) that are subject to one or more applicable requirements that apply to all source(s) in the group.

For renewals, only list source groups not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Group No.	Source ID (for source(s) in this group)
1	101, 102, 103, 104, 105, 106

4.2 Applicable Requirements for Source Groups

For renewals, only list group level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☐ No changes from current Title V Operating Permit.

Describe and cite all applicable requirements pertaining to all source groups.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

Group No.	Citation No.	Citation Limitation	Limitation Used
1	25 Pa Code 129.97	180.0 ppm@7% O2 (24-Hr)	None

Section 5 - Combustion Operational Inventory

(Complete this section for each combustion source in this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new combustion unit listed in Section 3 of this application.

5.1 General Source Information

a. Unit ID: _____ b. Company Designation: _____

c. Plan Approval or Operating Permit No.: _____

d. Manufacturer: _____ e. Model No.: _____

f. Source Description: _____

g. Rated Heat Input/Throughput: _____ h. Installation Date: _____

i. Exhaust Temperature _____ Units _____ j. Exhaust % Moisture _____ k. Exhaust Flow Volume: _____ SCFM

5.2 CAM Information

Yes	No	
☐	☐	Emissions unit uses a control device to achieve compliance with emissions limitations or standards.
☐	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

5.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
Not Applicable				

5.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
Not Applicable			

5.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML*	% Sulfur	% Ash	BTU Content (Units)
Not Applicable				

*FML = Fuel Material Location

5.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 5.1 of the application.

Maximum amount of hours of source operation per year: _____

Fuel/SCC	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
Not Applicable						

5.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☐ No changes from current Title V Operating Permit.

Fuel/SCC	Citation No.	Citation Limitation	Limitation Used
Not Applicable			

Section 6 - Incinerator Operational Inventory

(Complete this section for each incinerator at the site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new incinerator listed in Section 3 of this application.

6.1 General Source Information

a. Unit ID: 103 b. Company Designation: ROTARY COMBUSTER 3

c. Plan Approval or Operating Permit No.:

d. Manufacturer: WESTINGHOUSE e. Model No.: RC170

f. Source Description: Incinerator

g. Rated Heat Input/Throughput: h. Installation Date: 03/01/1991

i. Exhaust Temperature 1800 Units deg F j. Exhaust % Moisture 22 k. Exhaust Flow Volume: 68,914 SCFM

l. Incin. Capacity: 37400 Lbs/Hr m. Primary Burner Heat Input: 50000 Units CF

n. Exhaust % CO_2: 13 o. Secondary Burner Heat Input: Units

p. Incinerator Class: V: Municipal, Other Solid Waste Incin.

q. Waste Type: Trash: Paper, Cardboard, Etc. r. Waste BTU/Lb: 4800

6.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emissions limitations or standards.
☒	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

6.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
103	Incinerator	C06	Control Device	100
C06	Control Device	C05	Control Device	100
C05	Control Device	S03	Point of Air Emission	100

6.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel / Material	Associated SCC	Max Throughput Rate	Firing Sequence
MSW/Residual Waste	5-02-001-02	48,750 lb/hr (nominal capacity)	N/A
Natural Gas	----	50,000 ft3/hr	Start-Up/Shut-Down/Supplemental Fuel

6.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

Maximum amount of hours of source operation per year: _____

SCC/Fuel Burned	FML*	% Sulfur	% Ash	BTU Content (Units)
Natural Gas	FML01	Negligible	Negligible	1,000 BTU/Ft3
MSW/Residual Waste	FML02	Variable	Variable	4,500-5,000 BTU/lb

*FML = Fuel Material Location

6.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 6.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel/Waste	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time
N/A						

6.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Waste	Citation No.	Citation Limitation	Limitation Used

Section 6 - Incinerator Operational Inventory

(Complete this section for each incinerator at the site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new incinerator listed in Section 3 of this application.

6.1 General Source Information

a. Unit ID: 104 b. Company Designation: ROTARY COMBUSTER 4

c. Plan Approval or Operating Permit No.:

d. Manufacturer: WESTINGHOUSE e. Model No.: RC170

f. Source Description: Incinerator

g. Rated Heat Input/Throughput: h. Installation Date: 04/18/1991

i. Exhaust Temperature 1800 Units deg F j. Exhaust % Moisture 22 k. Exhaust Flow Volume: 68,914 SCFM

l. Incin. Capacity: 37400 Lbs/Hr m. Primary Burner Heat Input: 50000 Units CF

n. Exhaust % CO_2: 13 o. Secondary Burner Heat Input: Units

p. Incinerator Class: V: Municipal, Other Solid Waste Incin.

q. Waste Type: Trash: Paper, Cardboard, Etc. r. Waste BTU/Lb: 4800

6.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emissions limitations or standards.
☒	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

6.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
104	Incinerator	C08	Control Device	100
C08	Control Device	C07	Control Device	100
C07	Control Device	S04	Point of Air Emission	100

6.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel / Material	Associated SCC	Max Throughput Rate	Firing Sequence
MSW/Residual Waste	5-02-001-02	48,750 lb/hr (nominal capacity)	N/A
Natural Gas	----	50,000 ft3/hr	Start-Up/Shut-Down/Supplemental Fuel

6.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

Maximum amount of hours of source operation per year: _____

SCC/Fuel Burned	FML*	% Sulfur	% Ash	BTU Content (Units)
Natural Gas	FML01	Negligible	Negligible	1,000 BTU/Ft3
MSW/Residual Waste	FML02	Variable	Variable	4,500-5,000 BTU/lb

*FML = Fuel Material Location

6.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 6.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel/Waste	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

6.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Waste	Citation No.	Citation Limitation	Limitation Used

Section 6 - Incinerator Operational Inventory

(Complete this section for each incinerator at the site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new incinerator listed in Section 3 of this application.

6.1 General Source Information

a. Unit ID: 105 b. Company Designation: ROTARY COMBUSTER 5

c. Plan Approval or Operating Permit No.:

d. Manufacturer: WESTINGHOUSE e. Model No.: RC170

f. Source Description: Incinerator

g. Rated Heat Input/Throughput: h. Installation Date: 04/23/1991

i. Exhaust Temperature 1800 Units deg F j. Exhaust % Moisture 22 k. Exhaust Flow Volume: 68,914 SCFM

l. Incin. Capacity: 37400 Lbs/Hr m. Primary Burner Heat Input: 50000 Units CF

n. Exhaust % CO_2: 13 o. Secondary Burner Heat Input: Units

p. Incinerator Class: V: Municipal, Other Solid Waste Incin.

q. Waste Type: Trash: Paper, Cardboard, Etc. r. Waste BTU/Lb: 4800

6.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emissions limitations or standards.
☒	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

6.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
105	Incinerator	C10	Control Device	100
C10	Control Device	C09	Control Device	100
C09	Control Device	S05	Point of Air Emission	100

6.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel / Material	Associated SCC	Max Throughput Rate	Firing Sequence
MSW/Residual Waste	5-02-001-02	48,750 lb/hr (nominal capacity)	N/A
Natural Gas	----	50,000 ft3/hr	Start-Up/Shut-Down/Supplemental Fuel

6.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

Maximum amount of hours of source operation per year: _____

SCC/Fuel Burned	FML*	% Sulfur	% Ash	BTU Content (Units)
Natural Gas	FML01	Negligible	Negligible	1,000 BTU/Ft3
MSW/Residual Waste	FML02	Variable	Variable	4,500-5,000 BTU/lb

*FML = Fuel Material Location

6.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 6.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel/Waste	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

6.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Waste	Citation No.	Citation Limitation	Limitation Used

Section 6 - Incinerator Operational Inventory

(Complete this section for each incinerator at the site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new incinerator listed in Section 3 of this application.

6.1 General Source Information

a. Unit ID: 106 b. Company Designation: ROTARY COMBUSTER 6

c. Plan Approval or Operating Permit No.:

d. Manufacturer: WESTINGHOUSE e. Model No.: RC170

f. Source Description: Incinerator

g. Rated Heat Input/Throughput: h. Installation Date: 06/08/1991

i. Exhaust Temperature 1800 Units deg F j. Exhaust % Moisture 22 k. Exhaust Flow Volume: 68,914 SCFM

l. Incin. Capacity: 37400 Lbs/Hr m. Primary Burner Heat Input: 50000 Units CF

n. Exhaust % CO_2: 13 o. Secondary Burner Heat Input: Units

p. Incinerator Class: V: Municipal, Other Solid Waste Incin.

q. Waste Type: Trash: Paper, Cardboard, Etc. r. Waste BTU/Lb: 4800

6.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emissions limitations or standards.
☒	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

6.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
106	Incinerator	C12	Control Device	100
C12	Control Device	C11	Control Device	100
C11	Control Device	S06	Point of Air Emission	100

6.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel / Material	Associated SCC	Max Throughput Rate	Firing Sequence
MSW/Residual Waste	5-02-001-02	48,750 lb/hr (nominal capacity)	N/A
Natural Gas	----	50,000 ft3/hr	Start-Up/Shut-Down/Supplemental Fuel

6.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

Maximum amount of hours of source operation per year: _____

SCC/Fuel Burned	FML*	% Sulfur	% Ash	BTU Content (Units)
Natural Gas	FML01	Negligible	Negligible	1,000 BTU/Ft3
MSW/Residual Waste	FML02	Variable	Variable	4,500-5,000 BTU/lb

*FML = Fuel Material Location

6.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 6.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel/Waste	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

6.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Waste	Citation No.	Citation Limitation	Limitation Used

Section 6 - Incinerator Operational Inventory

(Complete this section for each incinerator at the site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new incinerator listed in Section 3 of this application.

6.1 General Source Information

a. Unit ID: 101 b. Company Designation: ROTARY COMBUSTER 1

c. Plan Approval or Operating Permit No.:

d. Manufacturer: WESTINGHOUSE e. Model No.: RC170

f. Source Description: Incinerator

g. Rated Heat Input/Throughput: h. Installation Date: 03/01/1991

i. Exhaust Temperature 1800 Units deg F j. Exhaust % Moisture 22 k. Exhaust Flow Volume: 68,914 SCFM

l. Incin. Capacity: 37400 Lbs/Hr m. Primary Burner Heat Input: 50000 Units CF

n. Exhaust % CO_2: 13 o. Secondary Burner Heat Input: Units

p. Incinerator Class: V: Municipal, Other Solid Waste Incin.

q. Waste Type: Trash: Paper, Cardboard, Etc. r. Waste BTU/Lb: 4800

6.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emissions limitations or standards.
☒	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

6.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
101	Incinerator	C02	Control Device	100
C02	Control Device	C01A	Control Device	100
C01A	Control Device	S01	Point of Air Emission	100

6.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel / Material	Associated SCC	Max Throughput Rate	Firing Sequence
MSW/Residual Waste	5-02-001-02	48,750 lb/hr (nominal capacity)	N/A
Natural Gas	-----	50,000 ft3/hr	Start-Up/Shut-Down/Supplemental Fuel

6.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

Maximum amount of hours of source operation per year: _____

SCC/Fuel Burned	FML*	% Sulfur	% Ash	BTU Content (Units)
Natural Gas	FML01	Negligible	Negligible	1,000 BTU/Ft3
MSW/Residual Waste	FML02	Variable	Variable	4,500-5,000 BTU/lb

*FML = Fuel Material Location

6.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 6.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel/Waste	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

6.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Waste	Citation No.	Citation Limitation	Limitation Used

Section 6 - Incinerator Operational Inventory

(Complete this section for each incinerator at the site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new incinerator listed in Section 3 of this application.

6.1 General Source Information

a. Unit ID: 102 b. Company Designation: ROTARY COMBUSTER 2

c. Plan Approval or Operating Permit No.:

d. Manufacturer: WESTINGHOUSE e. Model No.: RC170

f. Source Description: Incinerator

g. Rated Heat Input/Throughput: h. Installation Date: 03/01/1991

i. Exhaust Temperature 1800 Units deg F j. Exhaust % Moisture 22 k. Exhaust Flow Volume: 68,914 SCFM

l. Incin. Capacity: 37400 Lbs/Hr m. Primary Burner Heat Input: 50000 Units CF

n. Exhaust % CO_2: 13 o. Secondary Burner Heat Input: Units

p. Incinerator Class: V: Municipal, Other Solid Waste Incin.

q. Waste Type: Trash: Paper, Cardboard, Etc. r. Waste BTU/Lb: 4800

6.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emissions limitations or standards.
☒	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

6.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
102	Incinerator	C04	Control Device	100
C04	Control Device	C03	Control Device	100
C03	Control Device	S02	Point of Air Emission	100

6.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel / Material	Associated SCC	Max Throughput Rate	Firing Sequence
MSW/Residual Waste	5-02-001-02	48,750 lb/hr (nominal capacity)	N/A
Natural Gas	----	50,000 ft3/hr	Start-Up/Shut-Down/Supplemental Fuel

6.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

Maximum amount of hours of source operation per year: _____

SCC/Fuel Burned	FML*	% Sulfur	% Ash	BTU Content (Units)
Natural Gas	FML01	Negligible	Negligible	1,000 BTU/Ft3
MSW/Residual Waste	FML02	Variable	Variable	4,500-5,000 BTU/lb

*FML = Fuel Material Location

6.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 6.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel/Waste	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

6.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Waste	Citation No.	Citation Limitation	Limitation Used

Section 6 - Incinerator Operational Inventory

(Complete this section for each incinerator at the site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new incinerator listed in Section 3 of this application.

6.1 General Source Information

a. Unit ID: _____ b. Company Designation: _____

c. Plan Approval or Operating Permit No.: _____

d. Manufacturer: _____ e. Model No.: _____

f. Source Description: _____

g. Rated Heat Input/Throughput: _____ h. Installation Date: _____

i. Exhaust Temperature _____ Units deg F j. Exhaust % Moisture _____ k. Exhaust Flow Volume: _____ SCFM

l. Incin. Capacity: _____ Lbs/Hr m. Primary Burner Heat Input: _____ Units _____

n. Exhaust % CO_2: _____ o. Secondary Burner Heat Input: _____ Units _____

p. Incinerator Class: _____

q. Waste Type: _____ r. Waste BTU/Lb: _____

6.2 CAM Information

Yes	No	
☐	☐	Emissions unit uses a control device to achieve compliance with emissions limitations or standards.
☐	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

6.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow

6.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel / Material	Associated SCC	Max Throughput Rate	Firing Sequence

6.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

Maximum amount of hours of source operation per year: _____

SCC/Fuel Burned	FML*	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

6.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 6.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel/Waste	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

6.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Waste	Citation No.	Citation Limitation	Limitation Used

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 107 b. Company Designation: VEHICLE TRAFFIC ON ROADS

c. Plan Approval or Operating Permit Number: _____

d. Manufacturer: _____ e. Model Number: _____

f. Source Description: Process

g. Rated Heat Input/Throughput: _____ h. Installation Date: _____

i. Exhaust Temperature _____ Units _____ j. Exhaust % Moisture _____ k. Exhaust Flow Volume: _____ SCFM

7.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
107	Process	Z01	Point of Air Emission	100

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
DUST	3-05-888-01	.00 Tons/hr	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Throughput	Units/Time

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes X No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 108 b. Company Designation: COOLING TOWER

c. Plan Approval or Operating Permit Number:

d. Manufacturer: CERAMIC e. Model Number: OL-2000

f. Source Description: Process

g. Rated Heat Input/Throughput: h. Installation Date:

i. Exhaust Temperature Units j. Exhaust % Moisture k. Exhaust Flow Volume: SCFM

7.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
108	Process	C108	Control Device	100
C108	Control Device	Z108	Point of Air Emission	100

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
Non-Contact Cooling Water	03-06-007	0.00 gpm	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Throughput	Units/Time

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes X No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 110 b. Company Designation: LIME STORAGE SILO

c. Plan Approval or Operating Permit Number:

d. Manufacturer: CHEMCO e. Model Number: M-15

f. Source Description: Process

g. Rated Heat Input/Throughput: h. Installation Date: 03/01/1991

i. Exhaust Temperature 68 Units deg F j. Exhaust % Moisture 10 k. Exhaust Flow Volume: 1 SCFM

7.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
110	Process	S110	Point of Air Emission	100

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
Pebble Lime	3-05-102	0.0 Lbs/Hr	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)
N/A				

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Throughput	Units/Time
N/A						

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used
N/A			

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials
1	Loading lime from delivery truck to silo	Pebble Lime
2	Slacking lime	Pebble Lime and Water
3	Inject slaked lime slurry into dry scrubber	Pebble Lime and Water

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 111 b. Company Designation: ASH HANDLING

c. Plan Approval or Operating Permit Number:

d. Manufacturer: e. Model Number:

f. Source Description: Process

g. Rated Heat Input/Throughput: h. Installation Date:

i. Exhaust Temperature 70 Units deg F j. Exhaust % Moisture 10 k. Exhaust Flow Volume: 1 SCFM

7.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
111	Process	Z111	Point of Air Emission	100

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
N/A			

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)
N/A				

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Throughput	Units/Time
N/A						

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used
N/A			

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials
1	Load combined ash into transport vehicles	Combined Ash

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 112 b. Company Designation: COLD DEGREASERS (2)

c. Plan Approval or Operating Permit Number:

d. Manufacturer: e. Model Number:

f. Source Description: Process

g. Rated Heat Input/Throughput: h. Installation Date:

i. Exhaust Temperature Units deg F j. Exhaust % Moisture k. Exhaust Flow Volume: SCFM

7.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
112	Process	Z112	Point of Air Emission	100

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
SOLVENT	4-01-002-95	.00 Gal/hr	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)
N/A				

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Throughput	Units/Time
N/A						

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

Water-based solvents

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials
1	Place parts in solvent cleaner and wash	Water-based solvent

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 113 b. Company Designation: EMERGENCY ENGINE

c. Plan Approval or Operating Permit Number:

d. Manufacturer: CUMMINS INC e. Model Number: QSL9-G2 NR3

f. Source Description: Process

g. Rated Heat Input/Throughput: h. Installation Date: 12/01/2011

i. Exhaust Temperature 1113 Units deg F j. Exhaust % Moisture 3 k. Exhaust Flow Volume: 385 SCFM

7.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
113	Process	S113	Point of Air Emission	100

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
Ultra-Low Sulfur Diesel Fuel	2-02-001-02	18.3 gal/hr	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)
N/A				

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Throughput	Units/Time
N/A						

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 114 b. Company Designation: EMERGENCY FIRE PUMP ENGINE

c. Plan Approval or Operating Permit Number:

d. Manufacturer: e. Model Number:

f. Source Description: Process

g. Rated Heat Input/Throughput: h. Installation Date:

i. Exhaust Temperature: Units: deg F j. Exhaust % Moisture: k. Exhaust Flow Volume: SCFM

7.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
114	Process	S114	Point of Air Emission	100

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
Ultra-Low Sulfur Diesel Fuel	2-02-001-02	0	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Throughput	Units/Time

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: _____ b. Company Designation: _____

c. Plan Approval or Operating Permit Number: _____

d. Manufacturer: _____ e. Model Number: _____

f. Source Description: _____

g. Rated Heat Input/Throughput: _____ h. Installation Date: _____

i. Exhaust Temperature _____ Units deg F j. Exhaust % Moisture _____ k. Exhaust Flow Volume: _____ SCFM

7.2 CAM Information

Yes	No	
☐	☐	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Throughput	Units/Time

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☐ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☐ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C01A

b. Company Designation: BAGHOUSE - PULSE JET FABRIC FILTER

c. Used by Source(s): C02

d. Type: Baghouse - Reverse Air Jets

e. Pressure Drop in H_20: 15

f. Capture Efficiency: 100

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL

i. Model No.: PF 6016-240

j. Installation Date: 03/01/1991

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Total Suspended Particulate	TSP	>99 %	Stk Tst (eff. calc'd using stack results
Particulate Matter < 10 Microns	PM10	>99 %	Stk Tst (eff. calc'd using stack results
Polychlorinated Biphenyls (PCBs)	T166	>99 %	No data available - PM10/TSP value used
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	T015	>99%	No data available - PM10/TSP value used
Lead	ELPB	>99%	No data available - PM10/TSP value used
Cadmium	ELCD	>99%	No data available - PM10/TSP value used
Chromium	ELCR	>99%	No data available - PM10/TSP value used
Arsenic	ELAS	>99%	No data available - PM10/TSP value used
Mercury	ELHG	>99%	No data available - PM10/TSP value used
Nickel	ELNI	>99%	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	>99%	No data available - PM10/TSP value used

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C02 b. Company Designation: SPRAY DRYER ABSORBER

c. Used by Source(s): 101

d. Type:

e. Pressure Drop in H_20: f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL i. Model No.: F-100

j. Installation Date:

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Sulfur Dioxide (SO2)	7446-09-5	90%	Facility CEMS Data
Hydrogen Chloride (HCl)	7647-01-0	95%	Facility CEMS Data

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C03

b. Company Designation: BAGHOUSE - PULSE JET FABRIC FILTER

c. Used by Source(s): C04

d. Type: Baghouse - Reverse Air Jets

e. Pressure Drop in H_20: 5

f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL

i. Model No.: PF 61016-240

j. Installation Date: 03/01/1991

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Total Suspended Particulate	TSP	>99%	Stk Tst (eff. calc'd using stack results
Particulate Matter < 10 Microns	PM10	>99%	Stk Tst (eff. calc'd using stack results
Polychlorinated Biphenyls (PCBs)	T166	>99%	No data available - PM10/TSP value used
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	T015	>99%	No data available - PM10/TSP value used
Lead	ELPB	>99%	No data available - PM10/TSP value used
Cadmium	ELCD	>99%	No data available - PM10/TSP value used
Chromium	ELCR	>99%	No data available - PM10/TSP value used
Arsenic	ELAS	>99%	No data available - PM10/TSP value used
Mercury	ELHG	>99%	No data available - PM10/TSP value used
Nickel	ELNI	>99%	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	>99%	No data available - PM10/TSP value used

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C04 b. Company Designation: SPRAY DRYER ABSORBER

c. Used by Source(s): 102

d. Type:

e. Pressure Drop in H_2O: f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL i. Model No.: F-100

j. Installation Date:

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Sulfur Dioxide (SO2)	7446-09-5	90%	Facility CEMS Data
Hydrogen Chloride (HCl)	7647-01-0	95%	Facility CEMS Data

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C05 b. Company Designation: BAGHOUSE - PULSE JET FABRIC FILTER

c. Used by Source(s): C06

d. Type: Baghouse - Reverse Air Jets

e. Pressure Drop in H_20: 5 f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL i. Model No.: 6016-240

j. Installation Date: 03/01/1991

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Total Suspended Particulate	TSP	>99%	Stk Tst (eff. calc'd using stack results
Particulate Matter < 10 Microns	PM10	>99%	Stk Tst (eff. calc'd using stack results
Polychlorinated Biphenyls (PCBs)	T166	>99%	No data available - PM10/TSP value used
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	T015	>99%	No data available - PM10/TSP value used
Lead	ELPB	>99%	No data available - PM10/TSP value used
Cadmium	ELCD	>99%	No data available - PM10/TSP value used
Chromium	ELCR	>99%	No data available - PM10/TSP value used
Arsenic	ELAS	>99%	No data available - PM10/TSP value used
Mercury	ELHG	>99%	No data available - PM10/TSP value used
Nickel	ELNI	>99%	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	>99%	No data available - PM10/TSP value used

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C06 b. Company Designation: SPRAY DRYER ABSORBER

c. Used by Source(s): 103

d. Type:

e. Pressure Drop in H_20: f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL i. Model No.: F-100

j. Installation Date:

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Sulfur Dioxide (SO2)	7446-09-5	90%	Facility CEMS Data
Hydrogen Chloride (HCl)	7647-01-0	95%	Facilly CEMS Data

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C07

b. Company Designation: BAGHOUSE - PULSE JET FABRIC FILTER

c. Used by Source(s): C08

d. Type: Baghouse - Reverse Air Jets

e. Pressure Drop in H_20: 5

f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL

i. Model No.: 6016-240

j. Installation Date: 04/18/1991

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Total Suspended Particulate	TSP	>99%	Stk Tst (eff. calc'd using stack results
Particulate Matter < 10 Microns	PM10	>99%	Stk Tst (eff. calc'd using stack results
Parathion	T158	>99%	Stk Tst (eff. calc'd using stack results
Polychlorinated Biphenyls (PCBs)	T166	>99%	No data available - PM10/TSP value used
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	T015	>99%	No data available - PM10/TSP value used
Lead	ELPB	>99%	No data available - PM10/TSP value used
Cadmium	ELCD	>99%	No data available - PM10/TSP value used
Chromium	ELCR	>99%	No data available - PM10/TSP value used
Arsenic	ELAS	>99%	No data available - PM10/TSP value used
Mercury	ELHG	>99%	No data available - PM10/TSP value used
Nickel	ELNI	>99%	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	>99%	No data available - PM10/TSP value used

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C08 b. Company Designation: SPRAY DRYER ABSORBER

c. Used by Source(s): 104

d. Type:

e. Pressure Drop in H_20: f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL i. Model No.: F-100

j. Installation Date:

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Sulfur Dioxide (SO2)	7446-09-5	90%	Facility CEMS Data
Hydrogen Chloride (HCl)	7647-01-0	95%	Facility CEMS Data

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C09

b. Company Designation: BAGHOUSE - PULSE JET FABRIC FILTER

c. Used by Source(s): C10

d. Type: Baghouse - Reverse Air Jets

e. Pressure Drop in H_20: 5

f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL

i. Model No.: 6016-240

j. Installation Date: 04/23/1991

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Total Suspended Particulate	TSP	>99%	Stk Tst (eff. calc'd using stack results
Particulate Matter < 10 Microns	PM10	>99%	Stk Tst (eff. calc'd using stack results
Polychlorinated Biphenyls (PCBs)	T166	>99%	No data available - PM10/TSP value used
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	T015	>99%	No data available - PM10/TSP value used
Lead	ELPB	>99%	No data available - PM10/TSP value used
Cadmium	ELCD	>99%	No data available - PM10/TSP value used
Chromium	ELCR	>99%	No data available - PM10/TSP value used
Arsenic	ELAS	>99%	No data available - PM10/TSP value used
Mercury	ELHG	>99%	No data available - PM10/TSP value used
Nickel	ELNI	>99%	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	>99%	No data available - PM10/TSP value used

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C10 b. Company Designation: SPRAY DRYER ABSORBER

c. Used by Source(s): 105

d. Type:

e. Pressure Drop in H_20: f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL i. Model No.: F-100

j. Installation Date:

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Sulfur Dioxide	7446-09-5	90%	Facility CEMS Data
Hydrogen Chloride	7647-01-0	95%	Facility CEMS Data

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C108 b. Company Designation: COOLING TOWER MIST ELIMINATORS

c. Used by Source(s): 108

d. Type: Demister

e. Pressure Drop in H_20: f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: BRENTWOOD INDUSTRIES i. Model No.: CF-150MAX

j. Installation Date:

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C11 b. Company Designation: BAGHOUSE - PULSE JET FABRIC FILTER

c. Used by Source(s): C12

d. Type: Baghouse - Reverse Air Jets

e. Pressure Drop in H_20: 5 f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JPY ENVIRONMENTAL i. Model No.: 6016-240

j. Installation Date: 06/08/1991

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Total Suspended Particulate	TSP	>99%	Stk Tst (eff. calc'd using stack results
Particulate Matter < 10 Microns	PM10	>99%	Stk Tst (eff. calc'd using stack results
Polychlorinated Biphenyls (PCBs)	T166	>99%	No data available - PM10/TSP value used
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	T015	>99%	No data available - PM10/TSP value used
Lead	ELPB	>99%	No data available - PM10/TSP value used
Cadmium	ELCD	>99%	No data available - PM10/TSP value used
Chromium	ELCR	>99%	No data available - PM10/TSP value used
Arsenic	ELAS	>99%	No data available - PM10/TSP value used
Mercury	ELHG	>99%	No data available - PM10/TSP value used
Nickel	ELNI	>99%	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	>99%	No data available - PM10/TSP value used

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C12 b. Company Designation: SPRAY DRYER ABSORBER

c. Used by Source(s): 106

d. Type:

e. Pressure Drop in H_20: f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: JOY ENVIRONMENTAL i. Model No.: F-100

j. Installation Date:

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate
Sulfur Dioxide (SO2)	7446-09-5	90%	Facility CEMS Data
Hydrogen Chloride (HCl)	7647-01-0	95%	Facility CEMS Data

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: _____ b. Company Designation: _____

c. Used by Source(s): _____

d. Type: _____

e. Pressure Drop in H_20: _____ f. Capture Efficiency: _____

g. Scrubber Flow Rate (GPM): _____

h. Manufacturer: _____ i. Model No.: _____

j. Installation Date: _____

8.2 Control Device Efficiencies for this Control Device:

Pollutant Name	CAS No.	Estimate Control Efficiency	Basis for Efficiency Estimate

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: S01 b. Company Designation: COMBUSTOR 1 STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 5.5 Height (ft): 308 Base Elevation (ft):

e. Exhaust Temperature: 285 deg F Exhaust % Moisture: 22 Exhaust Velocity (m/Sec): 29.51

f. Exhaust Volume: 125,305 ACFM Exhaust Volume: 68,914 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: C01A

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

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a. Unit ID: S02 b. Company Designation: COMBUSTOR 2 STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 5.5 Height (ft): 308 Base Elevation (ft):

e. Exhaust Temperature: 270 deg F Exhaust % Moisture: 22 Exhaust Velocity (m/Sec): 29.51

f. Exhaust Volume: 138,000 ACFM Exhaust Volume: 78,150 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: C03

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: S03 b. Company Designation: COMBUSTOR 3 STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 5.5 Height (ft): 308 Base Elevation (ft):

e. Exhaust Temperature: 285 deg F Exhaust % Moisture: 22 Exhaust Velocity (m/Sec): 29.51

f. Exhaust Volume: 125,305 ACFM Exhaust Volume: 68,914 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: C05

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

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a. Unit ID: S04 b. Company Designation: COMBUSTOR 4 STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 5.5 Height (ft): 308 Base Elevation (ft):

e. Exhaust Temperature: 270 deg F Exhaust % Moisture: 22 Exhaust Velocity (m/Sec): 29.51

f. Exhaust Volume: 138,000 ACFM Exhaust Volume: 78,150 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: C07

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: S05 b. Company Designation: COMBUSTOR 5 STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 5.5 Height (ft): 308 Base Elevation (ft):

e. Exhaust Temperature: 285 deg F Exhaust % Moisture: 22 Exhaust Velocity (m/Sec): 29.51

f. Exhaust Volume: 125,305 ACFM Exhaust Volume: 68,914 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: C09

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

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a. Unit ID: S06 b. Company Designation: COMBUSTOR 6 STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 5.5 Height (ft): 308 Base Elevation (ft):

e. Exhaust Temperature: 270 deg F Exhaust % Moisture: 22 Exhaust Velocity (m/Sec): 29.51

f. Exhaust Volume: 138,000 ACFM Exhaust Volume: 78,150 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: C11

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: S110 b. Company Designation: LIME STORAGE STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): _____ Height (ft): _____ Base Elevation (ft): _____

e. Exhaust Temperature: 68 deg F Exhaust % Moisture: 10 Exhaust Velocity : _____

f. Exhaust Volume: 4,000 ACFM Exhaust Volume: 3,614 SCFM

g. Distance to Nearest Property Line (ft): _____

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: 110

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

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a. Unit ID: S113 b. Company Designation: EMERGENCY ENGINE STACK

c. Discharge Type: _____

d. Diameter (ft): _____ Height (ft): _____ Base Elevation (ft): _____

e. Exhaust Temperature: 1113 deg F Exhaust % Moisture: 3 Exhaust Velocity : _____

f. Exhaust Volume: 1,178 ACFM Exhaust Volume: 385 SCFM

g. Distance to Nearest Property Line (ft): _____

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: 113

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: _____

Horizontal Collection Method: _____

Reference Point: _____

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: S114 b. Company Designation: EMERGENCY FIRE PUMP ENGINE STACK

c. Discharge Type:

d. Diameter (ft): Height (ft): Base Elevation (ft):

e. Exhaust Temperature: 1113 deg F Exhaust % Moisture: 3 Exhaust Velocity :

f. Exhaust Volume: 1,178 ACFM Exhaust Volume: 385 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: 114

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum:

Horizontal Collection Method:

Reference Point:

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a. Unit ID: Z01 b. Company Designation: ROAD DUST EMISSIONS

c. Discharge Type: FUGITIVE EMISSIONS

d. Diameter (ft): Height (ft): Base Elevation (ft):

e. Exhaust Temperature: 68 deg F Exhaust % Moisture: 5 Exhaust Velocity :

f. Exhaust Volume: 1 ACFM Exhaust Volume: 1 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: 107

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: Z108 b. Company Designation: COOLING TOWER FUGITIVES

c. Discharge Type: FUGITIVE EMISSIONS

d. Diameter (ft): _____ Height (ft): _____ Base Elevation (ft): _____

e. Exhaust Temperature: 70 deg F Exhaust % Moisture: 99 Exhaust Velocity : _____

f. Exhaust Volume: 86,808 ACFM Exhaust Volume: 868 SCFM

g. Distance to Nearest Property Line (ft): _____

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: C108

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

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a. Unit ID: Z111 b. Company Designation: ASH HANDLING FUGITIVES

c. Discharge Type: FUGITIVE EMISSIONS

d. Diameter (ft): _____ Height (ft): _____ Base Elevation (ft): _____

e. Exhaust Temperature: 68 deg F Exhaust % Moisture: 5 Exhaust Velocity : _____

f. Exhaust Volume: 1 ACFM Exhaust Volume: 1 SCFM

g. Distance to Nearest Property Line (ft): _____

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: 111

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum: North American Datum of 1983

Horizontal Collection Method: Geographic coordinate determination method based on interpolation - map

Reference Point: Plant entrance (general) - The general entrance to a plant

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: Z112 b. Company Designation: DEGREASER FUGITIVES

c. Discharge Type:

d. Diameter (ft): Height (ft): Base Elevation (ft):

e. Exhaust Temperature: 68 deg F Exhaust % Moisture: 10 Exhaust Velocity :

f. Exhaust Volume: 1 ACFM Exhaust Volume: 1 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☒ No

i. Used by Sources: 112

j. Latitude: 39° 49 31.0066 Longitude: -75° 23 40.1579

Horizontal Reference Datum:

Horizontal Collection Method:

Reference Point:

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a. Unit ID: b. Company Designation:

c. Discharge Type:

d. Diameter (ft): Height (ft): Base Elevation (ft):

e. Exhaust Temperature: Exhaust % Moisture: Exhaust Velocity :

f. Exhaust Volume: ACFM Exhaust Volume: SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources:

j. Latitude: Longitude:

Horizontal Reference Datum:

Horizontal Collection Method:

Reference Point:

Section 10 - Fuel Material Location (FML) Information (Optional)

see page 105

Section 11 - Compliance Plan for the Facility

		Yes	No
11.1	Will your facility be in compliance with all applicable requirements at the time of permit issuance and continue to comply with these requirements during the permit duration?	☒	☐
11.2	Will your facility be in compliance with all applicable requirements presently scheduled to take effect during the term of the permit?	☒	☐
11.3	Will these requirements be met by the regulatory required dates?	☒	☐

If you checked "No" in Part 11.1, 11.2 or 11.3, answer the following questions:

11.4 Identify applicable requirement(s) for which compliance is not or will not be achieved:

Source ID No.	Citation No.
N/A	

11.4.1 Briefly describe how compliance with this/these applicable requirement(s) will be achieved:

N/A

11.4.2. Provide a detailed schedule of compliance for the noncomplying sources or activities identified in this section of the application. Include an enforceable sequence of corrective actions with milestone and projected compliance dates.

Date	Action/Milestone
N/A	

11.4.3. Indicate the submittal frequency for the progress report (s): N/A

11.4.4. Starting date for the submittal of the progress report(s): N/A

Section 12 – Alternative Operating Scenario (optional)

Duplicate this section for each source participated in this alternative scenario.

12.1 General Information

a. Alternative Operating Scenario Name or ID No.: _____

b. Source ID No.: _____ c. Source Name: _____

d. Source Type (check one): ☐ Combustion ☐ Incinerator ☐ Process

e. Give a brief description of this alternative scenario stating how it is different from the standard operation:

12.2 Operational Flexibility Request

Check all that apply.

☐ Alternative exhaust system component configuration
If this box is checked, complete Sections 12.3 and 12.7

☐ Alternative type of fuel usage replacing or in addition to an existing fuel in standard operation.
If this box is checked, complete Sections 12.4 and/or 12.5 and 12.7

☐ Alternative process method replacing or in addition to a process SCC existing in standard operation.
If this box is checked, complete Section 12.6 and 12.7

12.3 Exhaust System Components

Specify the complete exhaust system component configuration for this alternative operating scenario.

From Component Type	From Component Number	To Component Type	To Component Number	Percent Flow	Begin Date	End Date

12.4 Source Classification Code (SCC) Listing for Alternative Operation

Give a complete listing of all fuels burned, products produced by a process or waste incinerated for this alternative operating scenario.

Fuel	Associated SCC	Max Throughout Rate	Firing Sequence

12.5 Alternative Fuel Physical Characteristics

Give a complete listing of all fuels physical characteristics for this alternative operating scenario.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

12.6 Alternative Process/Product Description

a. Briefly describe the change(s) in raw materials and/or process methods used in this operating scenario, if applicable:

b. Provide and briefly describe the process SCC associated with this alternative operating scenario:

	Process SCC:		SCC Description:	

c. Alternative Product(s):

12.7 Source Potential to Emit

Give Potential Emission estimate for all air pollutants emitted at this source for this operating scenario.

Pollutant or CAS Number	Fuel	Emission/Activity Allowable per Unit	Calc. Method	Max. Capacity	Total Hours	Emission in TPY

Section 13 – Compliance Certification

13.1 Schedule for Compliance Certification Submission

a. Frequency of Submittal: Annual

b. Schedule specified in current Title V
Operating Permit or proposed starting date: Submittal by March 31st

13.2 Monitoring Compliance

Is the site identified in this application in compliance with all applicable requirements and compliance certification requirements:

☒ Yes ☐ No

If "NO", describe which requirements are not being met:

13.3 Certification of Compliance

Subject to the penalties of Title 18 Pa. C.S. Section 4904 and 35 P.S. Section 4009(b)(2), I certify that I have the authority to submit this Permit Application on behalf of the applicant herein and that based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.

(Signed) H E Needham Date December XX, 2020

Name (Type) Heather E. Needham

Title: Facility Manager

For renewals review and correct any pre-printed information and add additional sections for any new FML listed in Section 3 of this application.

10.1 Fuel Material Location Information

a. FML ID No.: FML01 b. Name: NATURAL GAS PIPELINE

c. Capacity: _____ Units: _____ d. Fuel: Natural Gas

e. Maximum Fuel Characteristics: If fuel is coal, what is the moisture content? _____

% Ash _____ % Sulfur: _____ BTU Content: _____ Units: _____

f. Used by Source:

101, 102, 103, 104, 105, 106

pages displaced

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a. FML ID No.: FML02 b. Name: MUNICIPAL WASTE STORAGE PIT

c. Capacity: _____ Units: _____ d. Fuel: Type 1 Waste

e. Maximum Fuel Characteristics: If fuel is coal, what is the moisture content? _____

% Ash _____ % Sulfur: _____ BTU Content: _____ Units: _____

f. Used by Source:

101, 102, 103, 104, 105, 106

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a. FML ID No.: _____ b. Name: _____

c. Capacity: _____ Units: _____ d. Fuel: _____

e. Maximum Fuel Characteristics: If fuel is coal, what is the moisture content? _____

% Ash _____ % Sulfur: _____ BTU Content: _____ Units: _____

f. Used by Source:

2700-PM-AQ0016 11/2001

COMMONWEALTH OF PENSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY

ADDENDUM 1
METHOD OF COMPLIANCE WORKSHEET

SECTION A. APPLICABLE REQUIREMENT

Federal Tax ID	76-0531017-1
Firm Name	Covanta Delaware Valley, LP
Plant Code	76-0531017-1
Plant Name	Covanta Delaware Valley, LP

Applicable Requirement for: (check only one)

- ☐ Entire Site
- ☐ Group of Sources — Group ID: 1
- ☐ Single Source — Unit ID:
- ☐ Alternative Operating Scenario — Scenario Name:

Citation No. 25 Pa Code 129.97

Compliance Method Based Upon ☒ Applicable Requirement ☐ CAM ☐ Other

Method of Compliance Type: [check all that apply and complete all appropriate section(s)]

- ☒ Monitoring
- ☐ Testing
- ☒ Reporting
- ☒ Record Keeping
- ☐ Work Practice Standard

SECTION B. MONITORING

Monitoring Device Type (stack test, CEM, etc.)	CEMS
Monitoring Device Location	Stack

Describe all parameters being monitored along with the frequency and duration of monitoring each parameter.
NOX concentration and O2

How will data be reported? Quarterly CEMS EDR

SECTION C. TESTING

Reference Test Method Description	None
Reference Test Method Citation	Chapter 139, Subchapter C

SECTION D. RECORD KEEPING

Describe what parameters will be recorded and the frequency of recording.
24-hour Avg

SECTION E. REPORTING

Describe what is to be reported and the frequency of reporting.
Quarterly

Reporting Start Date 1/1/2017

SECTION F. WORK PRACTICE STANDARD

Describe any work practice standard(s).

2700-PM-AQ0004 Rev. 6/2006

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY

AIR POLLUTION CONTROL ACT COMPLIANCE REVIEW FORM

Fully and accurately provide the following information, as specified. Attach additional sheets as necessary.

Type of Compliance Review Form Submittal (check all that apply)

☐ Original Filing
☒ Amended Filing

Date of Last Compliance Review Form Filing: 11/25/2015

Type of Submittal

☐ New Plan Approval ☐ New Operating Permit ☒ Renewal of Operating Permit
☐ Extension of Plan Approval ☐ Change of Ownership ☐ Periodic Submission (@ 6 mos)
☐ Other: _____

SECTION A. GENERAL APPLICATION INFORMATION

Name of Applicant/Permittee/("applicant")
(non-corporations-attach documentation of legal name)
Covanta Delaware Valley, LP

Address 10 Highland Avenue
Chester, PA 19013

Telephone (610) 497-8150 **Taxpayer ID#** 76-0531017

Permit, Plan Approval or Application ID# 23-00004

Identify the form of management under which the applicant conducts its business (check appropriate box)

☐ Individual ☐ Syndicate ☐ Government Agency
☐ Municipality ☐ Municipal Authority ☐ Joint Venture
☐ Proprietorship ☐ Fictitious Name ☐ Association
☐ Public Corporation ☐ Partnership ☐ Other Type of Business, specify below:
☐ Private Corporation ☒ Limited Partnership

Describe below the type(s) of business activities performed.

The Delaware Valley Resource Recovery Facility (DVRRF), operated by Covanta Delaware Valley, LP, houses six (6) rotary municipal waste combustors, each having the capacity to generate up to 161,000 lbs of steam/hr. The facility generates approximately 90 net megawatts of electricity per hour for internal use and to be sold on the electrical gird. The ash residue generated from the combustion of the waste is transported to Delaware County's Rolling Hills Landfill located in Berks County, PA, where it is used beneficially as alternative daily cover.

SECTION B. GENERAL INFORMATION REGARDING "APPLICANT"

If applicant is a corporation or a division or other unit of a corporation, provide the names, principal places of business, state of incorporation, and taxpayer ID numbers of all domestic and foreign parent corporations (including the ultimate parent corporation), and all domestic and foreign subsidiary corporations of the ultimate parent corporation with operations in Pennsylvania. Please include all corporate divisions or units, (whether incorporated or unincorporated) and privately held corporations. (A diagram of corporate relationships may be provided to illustrate corporate relationships.) Attach additional sheets as necessary.

Unit Name	Principal Places of Business	State of Incorporation	Taxpayer ID	Relationship to Applicant
Covanta Delaware Valley, L.P.	10 Highland Avenue, Chester, PA 19013	N/A	76-0531017	Same

SECTION C. SPECIFIC INFORMATION REGARDING APPLICANT AND ITS "RELATED PARTIES"

Pennsylvania Facilities. List the name and location (mailing address, municipality, county), telephone number, and relationship to applicant (parent, subsidiary or general partner) of applicant and all Related Parties' places of business, and facilities in Pennsylvania. Attach additional sheets as necessary.

Unit Name	Street Address	County and Municipality	Telephone No.	Relationship to Applicant
Covanta Delaware Valley, LP	10 Highland Avenue, Chester, PA 19013	Delaware County, City of Chester	(610) 497-8150	Operator of the DVRRF
Covanta Lancaster	1911 River Road, Bainbridge, PA 17502	Lancaster County, Conoy Township	(717) 426-4938	Facility Operator
Covanta Harrisburg	1670 South 19th Street, Harrisburg, PA 17104	Dauphin County, City of Harrisburg	(717) 236-0958	Facility Operator
Covanta Plymouth	1155 Conshohoken Road, Conshohocken, PA 19428	Montgomery County, Plymouth Township	(610) 940-6000	Covanta Facility
Covanta York	2651 Blackbridge Road, York, PA 17406	York County, Mancester Township	(717) 843-2902	Facility Operator
Covanta 58th Street Transfer Station	2209 South 58th Street, Philadelphia, PA 19143	City of Philadelphia	(215) 729-3770	Covanta Facility
Covanta Metals Managemen	500 Middle Drive, Fairless Hills, PA 19030	Bucks County, Falls Township	(215) 295-3792	Covanta Facility

Provide the names and business addresses of all general partners of the applicant and parent and subsidiary corporations, if any.

Name	Business Address
Covanta ARC, LLC	445 South Street, Morristown, NJ 07960
Covanta Delaware Valley II, LLC	445 South Street, Morristown, NJ 07960
Delaware County Solid Waste Authority	1521 North Providence Road, Media, PA 19063

List the names and business address of persons with overall management responsibility for the process being permitted (i.e. plant manager).

Name	Business Address
Heather E. Needham Covanta Delaware Valley, L.P. Facility Manager	10 Highland Avenue, Chester, PA 19013

Plan Approvals or Operating Permits. List all plan approvals or operating permits issued by the Department or an approved local air pollution control agency under the APCA to the applicant or related parties that are currently in effect or have been in effect at any time 5 years prior to the date on which this form is notarized. This list shall include the plan approval and operating permit numbers, locations, issuance and expiration dates. Attach additional sheets as necessary.

Air Contamination Source	Plan Approval/ Operating Permit#	Location	Issuance Date	Expiration Date
DVRRF	23-00004	10 Highland Avenue, Chester PA 19013	09/02/2016	09/02/2021

Compliance Background. (Note: Copies of specific documents, if applicable, must be made available to the Department upon its request.) List all documented conduct of violations or enforcement actions identified by the Department pursuant to the APCA, regulations, terms and conditions of an operating permit or plan approval or order by applicant or any related party, using the following format grouped by source and location in reverse chronological order. Attach additional sheets as necessary. See the definition of "documented conduct" for further clarification. Unless specifically directed by the Department, deviations which have been previously reported to the Department in writing, relating to monitoring and reporting, need not be reported.

Date	Location	Plan Approval/ Operating Permit#	Nature of Documented Conduct	Type of Department Action	Status: Litigation Existing/Continuing or Corrected/Date	Dollar Amount Penalty
						$
	See attached					$
						$
						$
						$
						$
						$
						$
						$
						$

List all incidents of deviations of the APCA, regulations, terms and conditions of an operating permit or plan approval or order by applicant or any related party, using the following format grouped by source and location in reverse chronological order. This list must include items both currently known and unknown to the Department. Attach additional sheets as necessary. See the definition of "deviations" for further clarification.

Date	Location	Plan Approval/ Operating Permit#	Nature of Deviation	Incident Status: Litigation Existing/Continuing Or Corrected/Date
	See attached			

<u>CONTINUING OBLIGATION</u>. Applicant is under a continuing obligation to update this form using the Compliance Review Supplemental Form if any additional deviations occur between the date of submission and Department action on the application.

VERIFICATION STATEMENT
Subject to the penalties of Title 18 Pa.C.S. Section 4904 and 35 P.S. Section 4009(b)(2), I verify under penalty of law that I am authorized to make this verification on behalf of the Applicant/Permittee. I further verify that the information contained in this Compliance Review Form is true and complete to the best of my belief formed after reasonable inquiry. I further verify that reasonable procedures are in place to ensure that "documented conduct" and "deviations" as defined in 25 Pa Code Section 121.1 are identified and included in the information set forth in this Compliance Review Form.
 Signature — December 18, 2020 Date
Heather E. Needham Name (Print or Type)
Facility Manager Title

Form HW-C Compliance History-Delaware Valley
10 Highland Ave Chester, PA 19013

Enforcement Actions Including: NOVs; administrative orders; civil penalties; permit or license suspensions; bond forfeiture actions; consent orders, adjudications or decrees; monetary settlements; court proceedings; or convictions concerning Environmental Protection Acts, or a regulation or order or a condition of a permit or license.

Date	Location	Permit/License/ EPA ID #	Issuing Agency	Type of Action	Nature of Violation	Disposition	Dollar Amount of Penalty
8/31/2017	Delco	TV- 23-00004	PADEP	CACP	Excess emissions on 2Q14 - 2Q16	Paid and Closed	$31,267.00
1/30/2019	Delco	TV- 23-00004	PADEP	CACP	Excess Emissions 3Q2016 & 1Q2017	Paid and Closed	$1,250.00
6/4/2020	Delco	TV- 23-00004	PADEP	NOV	Emissions caused due to Plant June 4 & 5, 2020	Corrective Action Plan provided to PADEP. No penalty has been assessed against the facility for this incident at this time.	$0.00

Form HW-C Compliance History - Harrisburg
1670 South 19th Street Harrisburg, PA 17104

Enforcement Actions Including: NOVs; administrative orders; civil penalties; permit or license suspensions; bond forfeiture actions; consent orders, adjudications or decrees; monetary settlements; court proceedings; or convictions concerning Environmental Protection Acts, or a regulation or order or a condition of a permit or license.

Date	Location	Permit/License/ EPA ID #	Issuing Agency	Type of Action	Nature of Violation	Disposition	Dollar Amount of Penalty
11/28/2019	Harrisburg	Title V- 22-05007	PADEP	CACP	Excess emissions in 2Q 2015-1Q 2017	Paid and Closed	$42,129.65

Form HW-C Compliance History - Lancaster County RRF
1911 River Road Bainbridge, PA 17502

Enforcement Actions Including: NOVs; administrative orders; civil penalties; permit or license suspensions; bond forfeiture actions; consent orders, adjudications or decrees; monetary settlements; court proceedings; or convictions concerning Environmental Protection Acts, or a regulation or order or a condition of a permit or license.

Date	Location	Permit/License/ EPA ID #	Issuing Agency	Type of Action	Nature of Violation	Disposition	Dollar Amount of Penalty
4/5/2018	Lancaster County RRF, Bainbridge, PA	Title V- 36-05013	PADEP	CACP	1Q2010-1Q2017 Excess Emissions, CEMS availibility	Closed	$ 42,196.23

Form HW-C Compliance History-Plymouth
1155 Conshohocken Road Conshohocken, PA 19428

Enforcement Actions Including: NOVs; administrative orders; civil penalties; permit or license suspensions; bond forfeiture actions; consent orders, adjudications or decrees; monetary settlements; court proceedings; or convictions concerning Environmental Protection Acts, or a regulation or order or a condition of a permit or license.

Date	Location	Permit/License/ EPA ID #	Issuing Agency	Type of Action	Nature of Violation	Disposition	Dollar Amount of Penalty
6/21/2016	Plymouth	Title V- 46-00010	PADEP	NOV	May 2015 VOC annual test was determined to be invalid by PADEP due to errors by consultant.	Abatement Plan submitted to PADEP. Closed out as part of a CACP issued in October (see below). Closed	-
7/13/2016	Plymouth	Title V- 46-00010	PADEP	NOV	Unauthorized releases of: cooling water discharge; oil release; and an inspection identifying a leaking hydrant.	Response report with event details and remedial actions was submitted to PADEP 8/2/16. No further action required. Closed	-
10/18/2016	Plymouth	Title V- 46-00010	PADEP	CACP	CEMS exceedances for 4Q10, 3Q12 through 2Q14, 3Q15 thru 2Q16 and non-compliance for 2015 VOC stack test	CACP executed and penalty paid. Closed	$ 14,024.00
6/21/2017	Plymouth	Title V- 46-00010	PADEP	NOV	Failure to maintain records for silo pressure drop.	Open	-
6/22/2017	Plymouth	Title V- 46-00010	PADEP	CACP	CEMS violation for 3Q16 and 1Q17	Closed	$ 2,812.00
9/8/2017	Plymouth	Title V- 46-00010	PADEP	NOV	Late Submittal of EPA Semi-Annual AQ Report	Open	-
12/7/2017	Plymouth	Title V- 46-00010	PADEP	CACP	Late Submittal of CEMS EDR for 2Q17	CACP executed and penalty paid. Closed	$ 2,556.00
5/14/2018	Plymouth	Title V- 46-00010	PADEP	CACP	CEMS violation for 4Q2016 and 3Q-4Q2017	Paid and closed	$ 10,607.00
8/29/2018	Plymouth	Title V- 46-00010	PADEP	CACP	CEMS violation for 1Q2018	Closed	$ 27,883.00
4/30/2019	Plymouth	Title V- 46-00010	PADEP	CACP	CEMS violation 2Q, 3Q and 4Q 2018	Closed	$ 17,514.00
10/11/2019	Plymouth	Title V- 46-00010	PADEP	NOV	Excess emissions events 1Q, 2Q 2019 and CEMS violations	Closed	$ 2,142.00
10/17/2019	Plymouth	Title V- 46-00010	PADEP	NOV	Emissions caused due to Plant trip	Open - Corrective Action Plan due to PADEP within 15 days of date of letter. Follow-up Corrective Action letter (addressing both October odor NOVs) submitted to PADEP on 1/31/20	-
10/24/2019	Plymouth	Title V- 46-00010	PADEP	NOV	Odor complaint	Open	-
12/23/2019	Plymouth	Title V- 46-00010	PADEP	NOV	Odor complaint	Open	-
6/15/2020	Plymouth	Title V- 46-00010	PADEP	NOV	Emissions caused due to Plant trip	Open	-
9/4/2020	Plymouth	Title V- 46-00010	PADEP	CACP	Operating Permit and CEMS violation 3Q and 4Q 2019 and 2Q 2020	Open - The facility is scheduled to have a negotiation meeting with PADEP on October 7th to reduce penalty assessed.	-
9/22/2020	Plymouth	Title V- 46-00010	PADEP	NOV	Odor complaint - Malodor	Open - Provide a written response back to PADEP indicating that Covanta was not the source of the odor on this day.	-

Form HW-C Compliance History-York
2651 Balckbridge Road York, PA 17406

Enforcement Actions Including: NOVs; administrative orders; civil penalties; permit or license suspensions; bond forfeiture actions; consent orders, adjudications or decrees; monetary settlements; court proceedings; or convictions concerning Environmental Protection Acts, or a regulation or order or a condition of a permit or license.

Date	Location	Permit/License/ EPA ID #	Issuing Agency	Type of Action	Nature of Violation	Disposition	Dollar Amount of Penalty
1/17/2018	York	Title V-67-05006	PADEP	CACP	CEMS penalties for 4Q09 and 1Q16	CACP executed and penalty paid. Closed	$9,148.00
12/5/2019	York	Title V-67-05006	PADEP	Consent Order	CEMS penalities for 2Q2017 - 1Q2018	Paid and closed	$9,561.00
12/16/2019	York	Title V-67-05006	PADEP	Consent Order	CEMS penalties for 2Q2016 - 1Q2017	Paid and closed	$8,396.00

Form HW-C Compliance History- Fairless Hills

Enforcement Actions Including: NOVs; administrative orders; civil penalties; permit or license suspensions; bond forfeiture actions; consent orders, adjudications or decrees; monetary settlements; court proceedings; or convictions concerning Environmental Protection Acts, or a regulation or order or a condition of a permit or license.

Date	Location	Permit/License/ EPA ID #	Issuing Agency	Type of Action	Nature of Violation	Disposition	Dollar Amount of Penalty
7/8/2015	Fairless Hills		PADEP	NOV/CACP	Construction/operation without a Solid Waste Permit approval.	CACP executed 7/21/2015	$100,000
10/9/2018	Fairless Hills	Solid Waste	PADEP	NOV/CACP	Improper storage of materials	Paid and closed	$5,250

SECTION E. Source Group Restrictions.

Group Name: 1
Group Description: combustors
Sources included in this group

WHY attaching 46-00010 conditions here?

ID	Name
001	MWI UNIT 1
002	MWI UNIT 2

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.42]

Exceptions

The visible emission limitations of 25 Pa. Code §123.41 shall not apply in either of the following instances:

(1) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

(2) When the emission results from sources specified in Condition #002 of Section C of this permit.

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Nitrogen Oxides (NOx) emission limitations

(1) NOx emissions per combustor, expressed as NO2, shall not exceed

(i) *[Additional authority of this NOx emission limit is also derived from 25 Pa. Code §§129.97(f) and 129.100(a)(3).] 180 ppmvd averaged daily corrected to 7% oxygen;

(ii) 477.4 tons in any 12 consecutive month period.

(2) The NOx limit (in ppmvd) applies at all times when municipal wastes are combusted, including during periods of start-up, shutdown, and malfunction provided that the duration of the start-up or shut-down shall not exceed three (3) hours per occurrence.

(3) Compliance with the nitrogen oxides emission limit shall be determined by using the continuous emission monitoring system (CEMS) approved by the Department for measuring NOx and calculating a 24-hour daily arithmetic average emission concentration using EPA Reference Method 19, section 12.4.1.

(b) Volatile organic compounds (VOC) emission limitations

(1) VOC emissions expressed as total hydrocarbon, shall not exceed 2.68 lbs/hr per combustor.

(2) Compliance with the VOC lbs/hr emission limit shall be based on the average of three (3) consecutive test runs performed annually and in accordance with Testing Requirements for this source.

(c) Dioxin/furan emission limitation

(1)* Total dioxin/furan emissions from each combustor shall not exceed 30 nanograms per dry standard cubic meter, corrected to 7% oxygen.

(2) Compliance with the dioxin/furan emission limitation shall be based on the average of three (3) consecutive test runs performed annually and in accordance with Testing Requirements for this source.

(d) Sulfur dioxide (SO2) emission limitations

(1)* SO2 emissions, per combustor, shall not exceed 29 ppmv, or shall be reduced by not less than 75% of the pre-controlled SO2 emission concentration (by weight or volume), corrected to 7% oxygen on a dry basis, whichever is less stringent. [Compliance with this limit deemed compliance with 25 Pa. Code §123.21.]

(2) Compliance with the SO2 emission limit (concentration or percent reduction) shall be determined by using the Department approved CEM system for measuring SO2 and calculating a 24-hour geometric average emission concentration or a 24-hour geometric average percent reduction. The EPA Reference Method 19, section 12.4.3, shall be used to calculate the daily geometric average sulfur dioxide emission concentration.

(3) The EPA Reference Method 19, section 12.5.4, shall be used to determine the daily geometric average percent reduction in the potential sulfur dioxide emission concentration.

(e) Hydrochloric acid (HCl) emission limits

(1)* HCl emissions, per combustor, shall be less than 29 ppmv, or shall be reduced by no less than 95% of the pre-controlled HCl emission concentration (by weight or volume), corrected to 7% oxygen, dry basis, whichever is less stringent.

(2) Compliance with the HCl emission limit (concentration or percent reduction) shall be determined by using the Department approved CEMS for measuring HCl and calculating a 24-hour arithmetic average emission concentration or a 24-hour arithmetic average percent reduction.

(f) Ambient impact analysis

Compliance with the maximum annual ambient concentrations listed below shall be demonstrated using the data from each stack test from each combustor and the dispersion modeling techniques used in the plan approval application as approved by the Department. Ambient air quality analysis shall be redone if there is a modification in emission limits or for any parameter that exceeds the applicable stack test limitation during any stack test series. The Department may require the permittee to resume full modeling if the Department determines that a decrease in either volumetric flow rate and/or stack temperature has a significant adverse impact on the ambient concentration. A certification shall be supplied to the Department stating compliance with maximum allowable annual ambient concentrations with every stack test report.

PCDD & PCDF, expressed as 2,3,7,8 TCDD equivalents 0.30 x 10E-7
Arsenic and Compounds 0.23 x 10E-3
Beryllium and Compounds 0.42 x 10E-3
Cadmium and Compounds 0.56 x 10E-3
Nickel and Compounds 0.33 x 10E-2
Hexavalent Chromium and Compounds 0.83 x 10E-4
Lead and Compounds 0.09
Mercury and Compounds 0.024
Hydrogen Chloride 7.0
Benzo(a)pyrene 0.59 x 10E-3

(g) The following stack emission limitations for arsenic and compounds and toxic metals (per combustor) shall not be exceeded:

(1) Emission concentration, measured in ug/dscm and corrected to 7% oxygen:

Total PCDD and PCDF 30
Arsenic and Compounds 7.2
Beryllium and Compounds 0.2
*Cadmium and Compounds 15.8
Nickel and Compounds 25.0
Hexavalent Chromium and Compounds 2.3
*Lead and Compounds 166.0
*Mercury and Compounds 50.0 or 85% reduction (by weight), whichever is less stringent.

(2) Emission rate, measured in lbs/hr at 105,000 dscfm and corrected to 7% oxygen.

Arsenic and Compounds 0.0024
Beryllium and Compounds 0.0000673
Cadmium and Compounds 0.00532

SECTION E. Source Group Restrictions.

Nickel and Compounds 0.0084
Hexavalent Chromium and Compounds 0.000774
Lead and Compounds 0.0559
Mercury and Compounds 0.211

(3) Compliance with the above emission limitations shall be based on the average of three (3) consecutive test runs.

(h)* Visible air contaminants from each combustor shall not be emitted in such a manner that the opacity of the emissions is equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour; or equal to or greater than an opacity of 30% at any time.

(i) Visible emissions from combustion ash

(1) The permittee shall not cause to be discharged to the atmosphere visible emissions of combustion ash from the ash conveying system (including conveyor transfer points) in excess of 5 percent of the observation period (i.e., 9 minutes per 3-hour period).

(2) The visible emission limit does not cover visible emissions discharged inside buildings or enclosures, and during the maintenance and repair of ash handling systems.

(j) The ammonia slip concentration from the SNCR system shall not exceed 10 ppmv, corrected to 7% oxygen, dry basis. Compliance with this limit is based on the average of three (3) consecutive test runs.

(j) Carbon monoxide (CO) emissions limit

(1)* CO emissions per combustor shall not exceed 100 ppmvd, calculated as a 4-hour block arithmetic average, corrected to 7% oxygen on a dry basis.

(2) The CO limit applies at all times when municipal wastes are combusted, except during periods of start-up, and shutdown. Provided that the duration of the start-up or shut-down shall not exceed three (3) hours per occurrence. During periods of startup or shutdown, monitoring data shall be dismissed or excluded from compliance calculations, but shall be recorded and reported in accordance with the provisions of 40 CFR § 60.59b(d)(7).

(3) Compliance with this CO limit in ppmvd shall be determined using a four (4) hour block arithmetic average. The four (4) hour block arithmetic average shall be calculated from one (1) hour arithmetic averages expressed in ppmv, corrected to 7% oxygen (dry basis).

(k)* Particulate matter (PM) emissions, discharged to the atmosphere from each combustor, shall not exceed 0.011 gr/dscf (25 mg/dscm), corrected to 7% oxygen. Compliance with this emission limit shall be based on the average of three (3) consecutive test runs performed annually and in accordance with Testing Requirements for this source.

(l) Start-up commences when municipal waste is added into an empty combustor and does not include any warm-up period when the combustor is combusting only a fossil fuel, or any other auxiliary fuel, approved by the Department, and no municipal waste is being combusted.

(m) Shutdown commences with the cessation of charging municipal waste for the purpose of shutting down the combustor. After the initiation of shutdown, the selected parameters that define normal process operation for the facility are when the dry inlet O2 is less than or equal to 15.5% and the steam flow is greater than or equal to 60,000 pounds/hr. If either of these conditions is not met, and the facility has ceased feeding MSW into the combustor, the combustor shall be coded as "process down".

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Only No. 2 fuel oil shall be fired as auxiliary fuel in the combustors.

SECTION E. Source Group Restrictions.

Throughput Restriction(s).

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) No more than 10%, by weight, of the total amount of waste accepted per month at the facility shall be municipal-like residual waste. The municipal-like residual waste accepted at the facility shall be approved by the Department's Waste Management, and documented in accordance with the conditions of the Department's Waste Management Permit No. 400558.

(b) Each combustor shall not be operated at a steam load level greater than 110% of the maximum steam load measured during the most recent dioxin/furan performance test, except during the annual dioxin/furan or mercury performance test and the two (2) weeks preceding the annual dioxin/furan or mercury performance test, no steam load limit is applicable. The averaging time is a 4-hour block arithmetic average steam load. The steam load limit may be waived in writing by the Department for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving facility performance or advancing the state-of-the-art for controlling facility emissions. The combustor unit load limit continues to apply, and remains enforceable, until and unless the Department grants the waiver.

(c) Only the municipal waste and municipal like residual waste approved by Waste Management of the Department, Permit No. 400588, shall be combusted in the incinerators.

Control Device Efficiency Restriction(s).

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Air emissions from each combustor are controlled by individual selective non-catalytic reduction (SNCR) system to reduce NOx emissions, acid gas scrubbers (quench reactor) to control acid gases, a carbon adsorption process (PAC injection) to control emissions of toxic pollutants, and a baghouse to control particulate matter emissions.

(b) The flue gas temperature, measured at the baghouse inlet and calculated in 4-hour block arithmetic averages, shall not exceed 17°C (30°F) above the maximum demonstrated baghouse inlet temperature as defined in 40 CFR §60.51b. The baghouse inlet temperature limit may be waived in writing by the Department for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving facility performance or advancing the state-of-the-art for controlling facility emissions. The temperature limits continue to apply, and remain enforceable, until and unless
(1) the Department grants the waiver; or
(2) during the annual dioxin/furan or mercury performance test, and the two (2) weeks preceding the annual dioxin/furan or mercury performance test, when no baghouse inlet temperature limitations are applicable.

(c) The combustion gases in the combustion chamber shall be maintained at a temperature greater than 1800°F, for at least one (1) second. To verify compliance, a temperature sensor shall be located at the furnace roof position approved by the Department. The temperature at this location shall be maintained at greater than 1100°F (a Department approved reference temperature which corresponds to 1800°F) for at least one second. The combustor(s) auxiliary burners shall be manually or automatically controlled to maintain the combustion gases temperature at the aforementioned condition whenever refuse is being combusted.

(d) The carbon mass feed rate shall be averaged over a block 8-hour period, and the 8-hour block average must equal to or exceed the level(s) documented during the most recent annual performance tests, except during the annual dioxin/furan or mercury performance test and the 2 weeks preceding the annual dioxin/furan or mercury performance test, no limit is applicable for average mass carbon feed rate. The limit for average mass carbon feed rate may be waived in accordance with permission granted by the Department for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving facility performance or advancing the state-of-the-art for controlling facility emissions.

II. TESTING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 139.]

SECTION E. Source Group Restrictions.

(a) The permittee shall perform an annual stack test, using the Department-approved procedures, to demonstrate compliance with the emission limits or emission reductions for the combustor, all procedures and test methods, if not specified below, shall be in accordance with Department's Source Testing Manual, Revision No. 8, or source testing procedures approved by the Department.

(b) The amount of waste incinerated during a stack test shall be an adequate representation of the waste load to be processed by the facility.

(c) All annual stack tests shall consist of a minimum of three test runs conducted under representative full load operating conditions for the following pollutants:

(1) Particulate matter, PM and PM10 (including particle sizeing), using EPA Method 5
(2) Sulfur dioxides (SO2), using EPA Reference Method 19
(3) Carbon monoxide (CO), using EPA Reference Method 10, 10A, or 10B
(4) visible emissions, using EPA Reference Method 9
(5) Nitrogen oxides (NOx), using EPA Reference Method 19
(6) Hydrogen chloride (HCl), using EPA Reference Method 26 or 26A
(7) Polycyclic aromatic hydrocarbon (PAH) compounds, including benzo(a)pyrene, using method approved by DEP;
(8) VOC (expressed as total hydrocarbons), using EPA Reference Method 25A;
(9) arsenic and compounds (expressed as arsenic), using method approved by DEP;
(10) cadmium and compounds (expressed as cadmium), using EPA Reference Method 29;
(11) hexavalent chromium and compounds (expressed as chromium), using EPA Reference Method 29;
(12) nickel and compounds (expressed as nickel), using method approved by DEP;
(13) lead and compounds (expressed as lead), using EPA Reference Method 29;
(14) beryllium and compounds (expressed as beryllium), using method approved by DEP;
(15) mercury and compounds (expressed as mercury), using EPA Reference Method 29;
(16) zinc and compounds (expressed as zinc), using method approved by DEP;
(17) PCDD and PCDF (expressed as total dioxin and furan, as specified in 40 CFR Part 60, Subpart Cb), using EPA Reference Method 23;
(18) ammonia slip concentration, using method approved by DEP
(19) fugitive ash emissions, using EPA Reference Method 22

(d) The following operating parameters shall be measured and re-established during each annual performance test:

(1) maximum baghouse inlet temperature
(2) minimum carbon injection rate in pounds per hour
(3) the carbon injection system primary indicator(s) of the carbon mass feed rate (e.g., screw feeder setting)
(4) the maximum demonstrated municipal waste combustor unit load level.

(e) The permittee may use CEM Relative Accuracy Test Audits (RATA) in lieu of stack testing for HCl, SO2, NOx, CO, and opacity.

(f) The EPA Reference Method 1 shall be used to select sampling site and number of traverse points.

(g) The EPA Reference Method 3, 3A or 3B, or as an alternative ASME PTC-19-10-1981—part10, as applicable, shall be used for gas analysis.

(h) An oxygen measurement shall be obtained simultaneously with each test run.

(i) The testing procedures submitted to the Department for approval shall include, at a minimum, the following:

(1) amount of waste to be combusted;
(2) composition and classification of waste;
(3) Btu content of waste.

(j) The permittee shall conduct semiannual test for the following pollutants if any of the pollutants exceed 80% of the emission standards during the tests:

(1) PM and PM-10
(2) arsenic and compounds
(3) toxic metals and compounds
(4) PAH (including benzo(A)pyrene)
(5) visible emissions
(6) ammonia reagent slip

Testing frequency may be revert to annual basis should all tested PM10, and toxic metals remain less than 80% of the permitted standards for a consecutive 24-month period and the permittee notifies the Department in advance.

(k) At least 90 days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(l) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(m) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(n) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) with a justification for the extension in writing or electronically. The Department may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall continuously monitor and record the following:

(1) The combustion chamber temperature
(2) The baghouse inlet temperature
(3) The carbon injection rate
(4) The steam load

(b) The permittee shall continuously monitor and record the following using the Department approved CEMS:

(1) Opacity
(2) CO emissions in ppmv
(3) NOx emissions in ppmv
(4) SO2 emissions in ppmv
(5) HCL emissions in ppmv
(6) O2 in percent

(c) The continuous monitoring system shall be operated and maintained to achieve the following data availability standards:

(1) CO and temperatures: 100% valid hours/day, where a valid hour is defined as greater than or equal to 90% valid readings (54 minutes);
(2) oxygen (O2), and opacity: greater than or equal to 95% valid hours/day, where a valid hour is defined as greater than or equal to 75% valid readings (45 minutes); and
(3) HCl, SO2, and NOx: greater than or equal to 90% valid hours/month, where a valid hour is defined as greater than or equal to 75% valid readings (45 minutes).

(d) The permittee shall operate, calibrate, and maintain a continuous emission monitoring system and record the output of the system for measuring the O2 content of the flue gas at each location where CO, SO2, or NOx emissions are monitored and shall comply with the test procedures and methods specified below:

(1) the span value of the O2 monitor shall be 25% O2;

(2) the monitor shall conform to performance specification 3 in Appendix B of 40 CFR 60, except for section 2.3, (relative accuracy requirement);
(3) the quality assurance procedures of Appendix F of 40 CFR 60 shall apply to the monitor, except for 5.1.1 (relative accuracy test audit).

(e) The permittee shall record all CEM emissions consistent with the Department's CEM manual.

IV. RECORDKEEPING REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) The permittee shall maintain the following records for each combustor:

(1) The calendar date of each record.

(2) The emission concentrations and parameters measured by CEMS and CMS as specified below.

(i) All 1-hour average SO2, NOx, CO, and HCl emission concentrations, steam load measurements, baghouse inlet temperatures, and opacity.

(ii) All 1-day geometric average SO2 emission concentrations and all 1-day geometric average percent reductions in SO2 emissions.

(iii) All 1-day arithmetic average NOx and HCl emission concentrations and all 1-day block average percent reductions in HCl emissions.

(iv) All 4-hour block arithmetic average steam load levels and baghouse inlet temperatures.

(3) Identification of the calendar dates when any of the average emission concentrations, percent reductions, operating parameters, or the opacity levels recorded are above or below the applicable limits, with reasons for such exceedances and a description of corrective actions taken.

(4) The following operating parameter records:

(i) The average carbon mass feed rate (in pounds per hour) estimated during annual performance tests, with supporting calculations.

(ii) The average carbon mass feed rate (in pounds per hour) estimated for each hour of operation, with supporting calculations.

(iii) The total carbon usage for each calendar quarter estimated, with supporting calculations.

(iv) Carbon injection system operating parameter data for the parameter(s) that are the primary indicator(s) of carbon feed rate (e.g., screw feeder speed) averaged over a block 8-hour period.

(4) Identification of the calendar dates and times (hours) for which valid hourly data have not been obtained, or continuous automated sampling systems were not operated, including reasons for not obtaining the data and a description of corrective actions taken:

(i) SO2 emissions data;
(ii) NOx emissions data;
(iii) NOx emissions data;
(iv) Municipal waste combustor unit load data;
(v) Baghouse inlet temperature data; and
(vi) HCl emissions data.

(5) Identification of each occurrence that SO2, NOx, CO, and HCl emissions data, or operational data (i.e., steam load, and baghouse inlet temperature) have been excluded from the calculation of average emission concentrations or parameters,

and the reasons for excluding the data.

(6) The results of daily drift tests and quarterly accuracy determinations for SO2, NOx, CO, and HCl continuous emission monitoring systems.

(7) The test reports documenting the results of all annual performance tests along with supporting calculations:

(i) The results of all annual performance tests conducted to determine compliance with the PM, cadmium, lead, mercury, dioxins/furans, VOC, ammonia slip concentration, and fugitive ash emission limits.

(ii) For all annual dioxin/furan performance tests, the maximum demonstrated steam load and maximum demonstrated baghouse inlet temperature.

(8) Identification of the calendar dates when the average carbon mass feed rates recorded were less than either of the hourly carbon feed rates estimated during the annual performance tests, with reasons for such feed rates and a description of corrective actions taken.

(9) Identification of the calendar dates when the carbon mass feed rates in lb/hr (averaged over a block 8-hour period) recorded were less than the hourly carbon feed rates estimated during the annual performance tests, with reasons for such feed rates and a description of corrective actions taken.

(b) The following records shall be maintained for operators and operator training.

(1) Records showing the names of the municipal waste combustor chief facility operator, shift supervisors, and control room operators who have been provisionally certified by the American Society of Mechanical Engineers or an equivalent State-approved certification program as required including the dates of initial and renewal certifications and documentation of current certification.

(2) Records showing the names of the municipal waste combustor chief facility operator, shift supervisors, and control room operators who have been fully certified by the American Society of Mechanical Engineers or an equivalent State-approved certification program as required including the dates of initial and renewal certifications and documentation of current certification.

(3) Records showing the names of the municipal waste combustor chief facility operator, shift supervisors, and control room operators who have completed the EPA municipal waste combustor operator training course or a State-approved equivalent course as required including documentation of training completion.

(4) Records of when a certified operator is temporarily off site:

(i) If the certified chief facility operator and certified shift supervisor are off site for more than 12 hours, but for 2 weeks or less, and no other certified operator is on site, record the dates that the certified chief facility operator and certified shift supervisor were off site.

(ii) When all certified chief facility operators and certified shift supervisors are off site for more than 2 weeks and no other certified operator is on site, keep records of four items:

(A) Time of day that all certified persons are off site.
(B) The conditions that cause those people to be off site.
(C) The corrective actions taken to ensure a certified chief facility operator or certified shift supervisor is on site as soon as practicable.
(D) Copies of the written reports submitted every 4 weeks that summarize the actions taken to ensure that a certified chief facility operator or certified shift supervisor will be on site as soon as practicable.

(5) Records showing the names of persons who have completed a review of the operating manual including the date of the initial review and subsequent annual reviews.

(c) The permittee shall calculate emissions for all polluants with emission limits on a monthly basis and 12-month rolling

sum.

(d) All records specified shall be maintained onsite in either paper copy or computer-readable format.

V. REPORTING REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) The permittee shall submit semiannual reports with the following information:

(1) A summary of the following data collected for all pollutants and parameters required.

(i) A list of the particulate matter, opacity, cadmium, lead, mercury, dioxins/furans, HCl, and fugitive ash emission levels achieved during the performance tests.

(ii) A list of the highest emission level recorded through CEMS or CMS for SO2, NOx, CO, and HCl, opacity, steam load level, and baghouse inlet temperature.

(iii) Periods when valid data were not obtained.

(A) The total number of hours per calendar quarter and hours per calendar year that valid data for SO2, NOx, CO, HCl, steam load, or baghouse inlet temperature data were not obtained based on the data recorded.

(B) For each continuously monitored pollutant or parameter, the hours of valid emissions data per calendar quarter and per calendar year expressed as a percent of the hours per calendar quarter or year that the combustor was operating and combusting municipal solid waste.

(iv) Periods when the total number of hours that valid data for SO2, NOx, CO, HCl, steam load, and baghouse inlet temperature were excluded from the calculation of average emission concentrations or parameters based on the data recorded.

(2) The summary of data reported shall also provide the types of data specified in paragraph (a)(1) above for the calendar year preceding the year being reported, in order to provide the Department with a summary of the performance of the combustors over a 2-year period.

(3) The summary of data including the information above shall highlight any emission or parameter levels that did not achieve the emission or parameter limits.

(4) Documentation of periods when all certified chief facility operators and certified shift supervisors are off site for more than 12 hours.

(b) The permittee shall submit a semiannual report that includes the following information for any recorded pollutant or parameter that does not comply with the limit.

(1) Information recorded for SO2, NOx, CO, HCl, opacity, steam load level, baghouse inlet temperature, and opacity.

(2) For each date recorded and reported as required, the SO2, NOx, CO, HCl, opacity, steam load level, inlet temperature, or opacity data recorded.

(3) Document any PM, cadmium, lead, mercury, dioxins/furans, and fugitive ash emission levels that were above the applicable pollutant limits, a copy of the test report documenting the emission levels and the corrective actions taken.

(4) The information recorded for the carbon injection system operating parameter(s) that are the primary indicator(s) of carbon mass feed rate.

(5) The carbon feed rate data recorded for each operating date reported.

(6) The semiannual reports shall be submitted according to the schedule specified below.

(i) The report shall be submitted by August 1st following the first half calendar year, if the data reported were collected during the first half calendar year.

(ii) The report shall be submitted by February 1st following the second half calendar year, if the data reported were collected during the second half calendar year.

(c) All reports required shall be submitted as a paper copy, postmarked on or before the February 1 or August 1, and maintained onsite as a paper copy for a period of 5 years.

(d) The permittee may send EPA reports, compliance certifications (if required) electronically to R3_APD_Permits@epa.gov. Any such electronic submissions must include the name of facility, city of the facility, and TVOP number.

VI. WORK PRACTICE REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

* Operator Training

(a) Each chief facility operator and shift supervisor shall obtain and maintain a current provisional operator certification from either the American Society of Mechanical Engineers [QRO-1-1994 (incorporated by reference—see 40 CFR §60.17 of subpart A of this part)] or a State certification program.

(b) Each chief facility operator and shift supervisor shall have completed full certification or shall have scheduled a full certification exam with either the American Society of Mechanical Engineers [QRO-1-1994 (incorporated by reference—see 40 CFR §60.17 of subpart A of this part)] or a State certification program.

(c)(1)The permittee shall not allow the combustors to be operated at any time unless one of the following persons is on duty and at the facility:

(A) A fully certified chief facility operator,
(B) A provisionally certified chief facility operator who is scheduled to take the full certification exam within 6 months,
(C) A fully certified shift supervisor, or a provisionally certified shift supervisor who is scheduled to take the full certification exam within 6 months.

(2) If both the certified chief facility operator and certified shift supervisor are unavailable, a provisionally certified control room operator on site at the municipal waste combustion unit may fulfill the certified operator requirement. Depending on the length of time that a certified chief facility operator and certified shift supervisor are away, the permittee must meet one of following three criteria:

(i) When the certified chief facility operator and certified shift supervisor are both off site for 12 hours or less, and no other certified operator is on site, the provisionally certified control room operator may perform the duties of the certified chief facility operator or certified shift supervisor.

(ii) When the certified chief facility operator and certified shift supervisor are off site for more than 12 hours, but for two weeks or less, and no other certified operator is on site, the provisionally certified control room operator may perform the duties of the certified chief facility operator or certified shift supervisor without notice to, or approval by, the Department. However, the permittee must record the period when the certified chief facility operator and certified shift supervisor are off site and include that information in the annual report as specified under 40 CFR §60.59b(g)(5).

(iii) When the certified chief facility operator and certified shift supervisor are off site for more than two weeks, and no other certified operator is on site, the provisionally certified control room operator may perform the duties of the certified chief facility operator or certified shift supervisor without approval by the Department. However, the permittee must take two actions:

(A) Notify the Department in writing. In the notice, state what caused the absence and what actions are being taken by the permittee to ensure that a certified chief facility operator or certified shift supervisor is on site as expeditiously as practicable.

(B) Submit a status report and corrective action summary to the Department every four weeks following the initial notification. If the Department provides notice that the status report or corrective action summary is disapproved, the municipal waste combustion unit may continue operation for 90 days, but then must cease operation. If corrective actions are taken in the 90-day period such that the Department withdraws the disapproval, municipal waste combustion unit operation may continue.

(3) A provisionally certified operator who is newly promoted or recently transferred to a shift supervisor position or a chief facility operator position at the municipal waste combustion unit may perform the duties of the certified chief facility operator or certified shift supervisor without notice to, or approval by, the Department for up to six months before taking the ASME QRO certification exam.

(d) The permittee shall develop and update on a yearly basis a site-specific operating manual that shall, at a minimum, address the elements of municipal waste combustor unit operation specified below.

(1) A summary of the applicable standards under this Operating Permit;
(2) A description of basic combustion theory applicable to a municipal waste combustor unit;
(3) Procedures for receiving, handling, and feeding municipal solid waste;
(4) Municipal waste combustor unit startup, shutdown, and malfunction procedures;
(5) Procedures for maintaining proper combustion air supply levels;
(6) Procedures for operating the municipal waste combustor unit within the standards established under this subpart;
(7) Procedures for responding to periodic upset or off-specification conditions;
(8) Procedures for minimizing particulate matter carryover;
(9) Procedures for handling ash;
(10) Procedures for monitoring municipal waste combustor unit emissions; and
(11) Reporting and recordkeeping procedures.

(e) The permittee shall establish an annual training program to review the operating manual with each person who has responsibilities affecting the operation of the combustors including, but not limited to, chief facility operators, shift supervisors, control room operators, ash handlers, maintenance personnel, and crane/load handlers.

(f) The operating manual required shall be kept in a readily accessible location for all persons required to undergo training. The operating manual and records of training shall be available for inspection by the EPA or its delegated enforcement agency upon request.

(g) As per 40 CFR §60.58b(m)(4), the carbon injection system operational indicator used to provide additional verification of carbon injection system operation, including basis for selecting the indicator and operator response to the indicator alarm, shall be included in the site-specific operating manual required under 40 CFR §60.54b(e).

 # 011 [25 Pa. Code §127.441]
Operating permit terms and conditions.

(a) Combustors

(1) Each combustor shall be equipped with an automatic alarm and interlock system to stop the solid waste charging grates if any of the following conditions occur:

(i) the combustor temperature measured at the furnace roof, at the Department approved location, drops below 900°F, (a Department approved reference temperature which corresponds to 1600°F), for a 15-minute period;

(ii) the CO emissions exceed 500 ppmv corrected to 7% oxygen on a dry basis for a 15-minute period; (This requirement is waived during the startup period.)

(iii) the flue gas oxygen (as measured at the oxygen monitor upstream of the control device) level drops below 3% (wet basis) for a 15-minute period; and

(iv) the opacity of the exhaust gases is equal to or greater than 10% for a period of 15 minutes.

(2) No solid waste shall be charged into the combustor(s) until equilibrium has been attained in the furnace zones and the temperature of the combustion gases reach 1800°F for one (1) second of retention time. All control equipment shall be

operational and functioning properly prior to the introduction of solid waste into the combustor(s).

(3) The permittee shall replace all rooftop temperature thermocouples on a quarterly basis with those that have been certified in accordance with National Institute of Standards and Testing (NIST). The permittee shall perform a new alternative location verification and retention test in the event that furnace combustion gas flow rates change significantly from any previous alternate location verification test, or at the Department's request.

(4) During the process of all planned shut downs of the combustor(s), auxiliary burners shall be used to ensure that the temperature of the combustion gases does not drop below 1600°F while any waste material is still being incinerated. All control equipment shall be operational and functioning properly until all of the solid waste is incinerated.

(b) Tipping floor

(1) The tipping area air shall be used as primary combustion air in the combustor(s).

(2) Unacceptable waste and visible unapproved residual waste as defined by 25 Pa. Code Section 287.1 of the Bureau of Waste Management Regulations shall be removed from the refuse pit for proper off-site disposal.

(3) Whenever the combustor(s) is in operation, the tipping area shall be operated at a negative pressure as determined by the operation of the induced draft fan.

(4) All waste that can be airborne or spilled shall be transported in or out of this facility in closed containers or tarped trucks.

(5) Open storage of solid waste outside of a building is prohibited.

(c) Air Pollution control devices

(1) The urea feed system and the injection system shall be modulated by interfacing with the NOx CEMS to assure NOx concentrations below the NOx emission limit.

(2) All air pollution control devices shall be operated and maintained in accordance with manufacturers' specifications and good air pollution control practices.

(3) A sufficient spare parts inventory shall be maintained to provide the timely repair or replacement of parts as reasonably anticipated.

(4) The permittee shall estimate the total carbon usage of the plant (pounds) for each calendar quarter by two independent methods, according to the procedures below.

(i) The weight of carbon delivered to the plant.

(ii) Estimate the average carbon mass feed rate in pounds per hour for each hour of operation for each combustor based on the average mass feed rate in pounds per hour during the most recent performance test, and sum the results for both combustors at the plant for the total number of hours of operation during the calendar quarter.

(d) Ash removal equipment

(1) The ash removal equipment, including the ash extractors and fly ash conveyors, shall be enclosed.

(2) The ash shall be loaded in an enclosed area or handled wet.

VII. ADDITIONAL REQUIREMENTS.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Words and terms that are not otherwise defined in Condition #001 of Section B of this permit shall have the meanings set forth in 40 CFR §§60.31b or 60.51b.

SECTION E. Source Group Restrictions.

(b) The permittee shall comply with the following for the combustors, whichever is more stringent:

(1) the Department's Air Quality Compliance Assurance Policy for Municipal Waste Incinerators (CAP for MWI), finalized and signed by the Department on July 12, 1989 (updated on May 24, 1996), and it's latest amendments if any, except where otherwise provided in this permit; and

(2) the State Implementation Plan (SIP) approved by the USEPA on August 20, 2001 (Federal Register /Vol. 66, No. 161).

(c) The conditions, marked with * in Section E, indicate compliance with this streamlined permit condition assures compliance with Clean Air Act (CAA) Section 111(d)/129 State Plan approved by EPA with the effective date(s) specified in 40 CFR §62.9642.

***** Permit Shield in Effect. *****

View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialogue box that appears. Note: If your browser does not support this function, select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a scheduled Pickup
   - Your driver will pickup your shipment(s) as usual.

   Customers without a scheduled Pickup
   - Schedule a Pickup on ups.com to have a UPS driver pickup all of your packages.
   - Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. To find the location nearest you, please visit the 'Locations' Quick link at ups.com.

UPS Access Point™	UPS Access Point™	UPS Access Point™
ADVANCE AUTO PARTS STORE 7242	PACHT-LOCKR-EG FOOD BASE MKT	CVS STORE # 2000
3298 CHICHESTER AVE	2401 MADISON ST	3601 CHICHESTER AVE
MARCUS HOOK PA 19061-3250	CHESTER PA 19013-4617	MARCUS HOOK PA 19061-3149

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