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15 September 2021

Ms. Kimberly Merchant
Deputy Regional Administrator, Division of Environmental Permits
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

Reference: 0563864.04

Subject: *Revised* Application forms an Air State Facility Permit: Li-Cycle North America Hub, Inc.: 50 & 205 McLaughlin Drive, Town of Greece, County of Monroe, New York

Dear Ms. Merchant:

Consistent with recent discussions between Li-Cycle North America Hub, Inc. ("Li-Cycle") and representatives of the New York State Department of Environmental Conservation ("NYSDEC"), ERM Consulting & Engineering, Inc. ("ERM") hereby submits this electronic copy of the *revised* application documents for an Air State Facility ("ASF") Permit for Li-Cycle's proposed Commercial Hub ("Hub") facility.

As you review this updated application package you will note that the Hub is now proposed to be located on property currently owned by the Ridgeway Properties, LLC adjacent to the Eastman Business Park. Li-Cycle and Ridgeway Properties have executed a long-term lease agreement for a portion of property owned by Ridgeway Properties located at 50 and 205 McLaughlin Drive in the Town of Greece, County of Monroe, New York (the "Site"). As such, the updated address on the application forms reflects the new Site address for the proposed Hub.

The updated application package includes the following information:

- An updated Emissions Unit matrix that details the overall structure of the permit application (and the expected ASF permit);
- Updated air permit application forms; and
- Summary of updated air emissions calculations for the proposed facility.

As you review the updated application information, you will note that we have used red font strikeout (~~red font strikeout~~) to denote changes from the original applications forms submitted to the Department on March 12, 2021, and we have also embedded notes on the application forms (**in blue font**) for a number of the applicable requirements to provide the NYSDEC with additional context regarding information provided on the application forms.

As you know, Li-Cycle is currently working with its design engineering team, equipment vendors, to finalize the overall design and layout of the processes for the facility. As such, you will note that we have included "TBD" – to be determined, in a number of the requisite data fields. Once the design team has progressed to the point that the information needed for these data fields, ERM will provide the NYSDEC with the additional information as supplemental information to this initial

application submittal; however, we believe that the updated application forms have progressed to the point that the NYSDEC can begin building the content of the ASF Permit.

CONFIDENTIAL INFORMATION REQUEST

Please note that this submittal contains proprietary information regarding process technology that would put Li-Cycle at a significant disadvantage if disclosed to a competitor. Therefore, Li-Cycle is requesting that certain information contained within this submittal be protected as "confidential commercial information" and "trade secret" information pursuant to New York Public Officers Law §§ 87 and 89, and 6 NYCRR Part 616. We have provided two versions of the application; one with the confidential/trade secret information redacted, and one version with no redactions. In the confidential version, we have marked each page stating that it "Contains Confidential Commercial Information and/or Trade Secret Information – Do Not Disclose". This information should be provided only to involved members of the Department and its Staff, and not otherwise be disclosed or made available to any other person or entity, either through a response to a Freedom of Information Law ("FOIL") request or otherwise. If a FOIL request is made for the confidential information, we rrequest that both the undersigned and Li-Cycle's Chris Biederman, who is copied on this letter, be notified prior to the Department providing such information so that a statement of necessity for continued protection of this information can be submitted to the Department.

Once the Department has had the opportunity to perform an initial review of this updated application information, Li-Cycle and ERM will set up a time with the appropriate Division of Air Resources personnel to review this application in detail so that we can provide any needed clarifications or additional information that the Department may need to expeditiously review and issue the Working Copy of the Draft ASF Permit to Li-Cycle and ERM for review.

In the event that the Department requires "hardcopies" of this revised application information, please let us know. If you have any questions, please contact me at (585) 899-2315, or via electronic mail at david.murtha@erm.com.

On behalf of Li-Cycle and ERM, thank you for your interest and assistance as we move this exciting project forward for the Greater Rochester area.

Sincerely,

David T. Murtha, QEP, CVI, TWIC
Consultant Director & Project Manager

Cc: C. Biederman P. Eng. – Li-Cycle
K. Boehm, Li-Cycle
T. Johnston, Li-Cycle
C. Ferry – ERM
T. Karatas, P.E. – ERM
G. Keating – ERM
E. Kraus - ERM

Updated Emission Unit Matrix

Li-Cycle North America Hub, Inc.
50 & 205 McLaughlin Drive
Rochester, New York 14606

15 September 2021

Emission Unit Matrix
Li-Cycle North America Hub, Inc.
50 & 205 McLaughlin Drive
Rochester, New York 14606

Emission Unit ID	Emission Unit Description	Process ID	Process Description	Emission Source ID	Emission Source Description	Control ID	Control Description	Emission Point ID
1-EXMPT	Facility-wide Emission Unit for Various Sources/Activities that are Exempt from Permitting, but are Subject to Applicable Requirements. Operations are Located Throughout the Facility. BUILDING(s): ***FACILITY***	X01	Emergency stationary reciprocating internal combustion engines firing distillate, located at facility, subject to 40 CFR 60 Subpart IIII. These emission sources are exempt from permitting requirements, per 6 NYCRR 201-3.2(c)(6). These sources have been included in this permit for purposes of documenting all applicable requirements for the facility.	X0001	Emergency Generator 1			----
U-00001	Hydrometallurgical processes used to extract, refine and produce Nickel Sulfate and Cobalt Sulfate from black mass concentrate. (Black mass concentrate is derived from the active materials in lithium ion batteries). Many of the pieces of process equipment identified within this permit (as well as other pieces of equipment that are not subject to permitting requirements) are part of a "Chemical Manufacturing Process Unit" (CMPU) as defined under 40 CFR 63 Subpart VVVVVV (Chemical Manufacturing Area Source MACT). However, only the equipment listed in Process P01 is subject to requirements under this MACT regulation. Building: **MAIN**	P1A	Process emission sources that are part of a "Chemical Manufacturing Process Unit" (CMPU) and are subject to control requirements under 40 CFR 63 Subpart VVVVVV (Chemical Manufacturing Area Source MACT) for solid metal HAP. Emission sources are also subject to 6 NYCRR Part 212. Emissions are controlled by wet scrubbers.	S0501	Dryer Package 501	CWS03	Wet Scrubber 3	EP003
				S0601	Dryer Package 601	CWS02	Wet Scrubber 2	EP002
		P1B	Equipment that is part of a "Chemical Manufacturing Process Unit" (CMPU) and are subject to limited requirements under 40 CFR 63 Subpart VVVVVV (Chemical Manufacturing Area Source MACT). This equipment handles solid materials that contain metal HAP, however, there are no emissions to the outdoor atmosphere. Dust from these operations is controlled by dust collectors that exhaust back into the building.	S0101	Bag Breaker 101			<<Vented indoors>>
				S0102	Lump Breaker 102			<<Vented indoors>>
				S0103	Conveyor 103			<<Vented indoors>>
		P02	Process emission sources subject to 6 NYCRR Part 212 with emissions of particulate only. Emissions are controlled by wet scrubbers.	S0502	Bucket Elevator 502	CWS01	Wet Scrubber 1	EP001
				S0503	Conveyor 503	CWS01	Wet Scrubber 1	EP001
				S0504	Bagging Package 504	CWS01	Wet Scrubber 1	EP001
				S0602	Bagging Package 602	CWS01	Wet Scrubber 1	EP001
				S0603	Bucket Elevator 603	CWS01	Wet Scrubber 1	EP001
				S0604	Conveyor 604	CWS01	Wet Scrubber 1	EP001

Emission Unit Matrix
Li-Cycle North America Hub, Inc.
50 & 205 McLaughlin Drive
Rochester, New York 14606

Emission Unit ID	Emission Unit Description	Process ID	Process Description	Emission Source ID	Emission Source Description	Control ID	Control Description	Emission Point ID
		P03	Process emission sources subject to 6 NYCRR Part 212 with emissions of particulate only. Emissions are controlled by dust collectors.	S0701	Dryer Package 701	CDC01	Dust Collector 1	EP004
				S0702	Bucket Elevator 702	CDC01	Dust Collector 1	EP004
				S0703	Conveyor 703	CDC01	Dust Collector 1	EP004
				S0801	Dryer Package 801	CDC02	Dust Collector 2	EP005
				S0802	Bucket Elevator 802	CDC02	Dust Collector 2	EP005
				S0803	Conveyor 803	CDC02	Dust Collector 2	EP005
				S0804	Conveyor 804	CDC03	Dust Collector 3	EP006
				S0805	Conveyor 805	CDC04	Dust Collector 4	EP007
				S0806	Bagging Package 806	CDC03	Dust Collector 3	EP006
				S0807	Bagging Package 807	CDC04	Dust Collector 4	EP007
				S0808	Compactor Package 808	CDC05	Dust Collector 5	EP008
				S0901	Conveyor 901	CDC06	Dust Collector 6	EP009
				S0902	Unloading Package 902	CDC07	Dust Collector 7	EP010
				S0109	Dryer Package 109	CDC08	Dust Collector 8	EP020
				S0211	Dryer Package 211	CDC09	Dust Collector 9	EP021
		P04	Process emission sources subject to 6 NYCRR Part 212 with emissions of acid gases. Emissions are controlled by a wet scrubber.	S0104	Tank 104	CWS04	Wet Scrubber 4	EP011
				S0105	Tank 105	CWS04	Wet Scrubber 4	EP011
				S0106	Tank 106	CWS04	Wet Scrubber 4	EP011
				S0107	Tank 107	CWS04	Wet Scrubber 4	EP011

Emission Unit Matrix
Li-Cycle North America Hub, Inc.
50 & 205 McLaughlin Drive
Rochester, New York 14606

Emission Unit ID	Emission Unit Description	Process ID	Process Description	Emission Source ID	Emission Source Description	Control ID	Control Description	Emission Point ID
		P05	Process emission sources subject to 6 NYCRR Part 212 with emissions of acid gases. Emissions are uncontrolled.	S0108	Tank 108	---	---	EP012
				S0201	Tank 201	---	---	EP013
				S0704	Tank 704	---	---	EP014
				S0809	Tank 809	---	---	EP015
				S0903	Tank 903	---	---	EP016
				S0904	Tank 904	---	---	EP017
		P06	Process emission sources subject to 6 NYCRR Part 212 with emissions of hydrogen sulfide. Emissions are controlled by a caustic scrubber.	S0202	Chute 202	CCS01	Caustic Scrubber 1	EP018
				S0203	Filter 203	CCS01	Caustic Scrubber 1	EP018
				S0204	Make up Package 204	CCS01	Caustic Scrubber 1	EP018
				S0205	Tank 205	CCS01	Caustic Scrubber 1	EP018
				S0206	Tank 206	CCS01	Caustic Scrubber 1	EP018
				S0207	Tank 207	CCS01	Caustic Scrubber 1	EP018
				S0208	Tank 208	CCS01	Caustic Scrubber 1	EP018
				S0209	Tank 209	CCS01	Caustic Scrubber 1	EP018
				S0210	Tank 210	CCS01	Caustic Scrubber 1	EP018

Emission Unit Matrix
Li-Cycle North America Hub, Inc.
50 & 205 McLaughlin Drive
Rochester, New York 14606

Emission Unit ID	Emission Unit Description	Process ID	Process Description	Emission Source ID	Emission Source Description	Control ID	Control Description	Emission Point ID
		P07	Process emission sources subject to 6 NYCRR Part 212 with emissions of VOCs. Emissions are controlled by an activated carbon system.	S0401	Settle Tank 401	CAC01	Activated Carbon Unit 1	EP019
				S0402	Settle Tank 402	CAC01	Activated Carbon Unit 1	EP019
				S0403	Settle Tank 403	CAC01	Activated Carbon Unit 1	EP019
				S0404	Settle Tank 404	CAC01	Activated Carbon Unit 1	EP019
				S0405	Settle Tank 405	CAC01	Activated Carbon Unit 1	EP019
				S0406	Settle Tank 406	CAC01	Activated Carbon Unit 1	EP019
				S0407	Settle Tank 407	CAC01	Activated Carbon Unit 1	EP019
				S0408	Settle Tank 408	CAC01	Activated Carbon Unit 1	EP019
				S0409	Settle Tank 409	CAC01	Activated Carbon Unit 1	EP019
				S0410	Settle Tank 410	CAC01	Activated Carbon Unit 1	EP019
				S0411	Settle Tank 411	CAC01	Activated Carbon Unit 1	EP019
				S0412	Settle Tank 412	CAC01	Activated Carbon Unit 1	EP019
				S0505	Settle Tank 505	CAC01	Activated Carbon Unit 1	EP019
				S0506	Settle Tank 506	CAC01	Activated Carbon Unit 1	EP019
				S0507	Settle Tank 507	CAC01	Activated Carbon Unit 1	EP019
				S0508	Settle Tank 508	CAC01	Activated Carbon Unit 1	EP019
				S0509	Settle Tank 509	CAC01	Activated Carbon Unit 1	EP019
				S0510	Settle Tank 510	CAC01	Activated Carbon Unit 1	EP019
				S0511	Settle Tank 511	CAC01	Activated Carbon Unit 1	EP019
				S0512	Settle Tank 512	CAC01	Activated Carbon Unit 1	EP019

Emission Unit Matrix
Li-Cycle North America Hub, Inc.
50 & 205 McLaughlin Drive
Rochester, New York 14606

Emission Unit ID	Emission Unit Description	Process ID	Process Description	Emission Source ID	Emission Source Description	Control ID	Control Description	Emission Point ID
				S0513	Settle Tank 513	CAC01	Activated Carbon Unit 1	EP019
				S0514	Settle Tank 514	CAC01	Activated Carbon Unit 1	EP019
				S0515	Settle Tank 515	CAC01	Activated Carbon Unit 1	EP019
				S0516	Tank 516	CAC01	Activated Carbon Unit 1	EP019
				S0605	Settle Tank 605	CAC01	Activated Carbon Unit 1	EP019
				S0606	Settle Tank 606	CAC01	Activated Carbon Unit 1	EP019
				S0607	Settle Tank 607	CAC01	Activated Carbon Unit 1	EP019
				S0608	Settle Tank 608	CAC01	Activated Carbon Unit 1	EP019
				S0609	Settle Tank 609	CAC01	Activated Carbon Unit 1	EP019
				S0610	Settle Tank 610	CAC01	Activated Carbon Unit 1	EP019
				S0611	Settle Tank 611	CAC01	Activated Carbon Unit 1	EP019
				S0612	Settle Tank 612	CAC01	Activated Carbon Unit 1	EP019
				S0613	Settle Tank 613	CAC01	Activated Carbon Unit 1	EP019
				S0614	Settle Tank 614	CAC01	Activated Carbon Unit 1	EP019
				S0615	Settle Tank 615	CAC01	Activated Carbon Unit 1	EP019
				S0616	Tank 616	CAC01	Activated Carbon Unit 1	EP019
				S0617	Settle Tank 617	CAC01	Activated Carbon Unit 1	EP019

Updated Air State Facility Application Forms

Li-Cycle North America Hub, Inc.
50 & 205 McLaughlin Drive
Rochester, New York 14606

15 September 2021

New York State Department of Environmental Conservation
Air Permit Application

DEC ID	Application ID	Application Type
- -	- - /	☒ State Facility ❒ Title V

Section I - Certification

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information required to complete this application, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Responsible Official	Tim Johnston	Title	Executive Chairman
Signature		Date	9/15/2021

Professional Engineer Certification

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments as they pertain to the practice of engineering. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Professional Engineer	Tracey A. Karatas	NYS License No.	067681
Signature	Tracey A. Karatas	Date	9/15/2021

Section II - Identification Information

Type of Permit Action Requested

☒ New Modification ❒ Renewal ❒ Significant Modification ❒ Administrative Amendment ❒ Minor

☒ Application for the construction of new facility ❒ Application involves construction of new emission unit(s)

Facility Information

Name	Li-Cycle North America Hub #1		
Location Address	50 and 205 McLaughlin Road Extension		
❒ City / ☒ Town / ❒ Village	Greece	Zip	14606

Owner/Firm Information — **Business Taxpayer ID**

Name: Li-Cycle North America Hub, Inc. — 38-4167073

Street Address: 874 Walker Road Suite C

City	State/Province	Country	Zip
Dover	DE	U.S.	19904

Owner Classification ❒ Federal ❒ State ❒ Municipal ☒ Corporation/Partnership ❒ Individual

Owner/Firm Contact Information

Name	Tim Johnston		Phone (647) 493-3169
Email Address	Tim.Johnston@li-cycle.com		Fax
Affiliation	Li-Cycle North America Hub, Inc.	Title	Executive Chairman
Street Address	2351 Royal Windsor Drive, Unit 10		

City	State	Country	Zip
Mississauga	Ontario	Canada	L5J 2S7

Facility Contact Information

Name	Tim Johnston		Phone No. (647) 493-3169
Email Address	Tim.Johnston@li-cycle.com		Fax No.
Affiliation	Li-Cycle North America Hub, Inc.	Title	Executive Chairman
Street Address	50 and 205 McLaughlin Road Extension		

City	State	Country	Zip
Greece	NY	U.S.	14606

DEC ID
- -

Section II - Identification Information

Project Description ☐ Continuation Sheet(s)

Li-Cycle North America Hub, Inc. ("Li-Cycle") is proposing to construct a new facility on Parcels 306 and 307 of the Eastman Business Park The facility will conduct hydrometallurgical processes to extract, refine and produce Nickel Sulfate and Cobalt Sulfate from black mass concentrate. (Black mass concentrate is derived from the active materials in lithium ion batteries).

NOTE: Comments (identified in **blue font**) are provided within this application in order to provide an explanation for the requested changes, however, are not intended to be included in the issued permit.

Section III - Facility Information

Facility Classification

❑ Hospital ❑ Residential ❑ Educational/Institutional ❑ Commercial ☒ Industrial ❑ Utility

Affected States (Title V Applications Only)

❑ Vermont	❑ Massachusetts	❑ Rhode Island	❑ Pennsylvania	Tribal Land:
❑ New Hampshire	❑ Connecticut	❑ New Jersey	❑ Ohio	Tribal Land:

SIC Code(s)			NAICS Code(s)			
2819						

Facility Description ☐ Continuation Sheet(s)

Li-Cycle North America Hub, Inc. ("Li-Cycle") is proposing to build a manufacturing facility, referred to as its "North American Commercial Hub #1," in the LiDestri Ridgeway Properties in the Town of Greece, New York. When fully developed, the facility will refine up to 35,000 metric tonnes (or 38,580 short tons) per year of feedstock material recovered from lithium-ion batteries ("black mass concentrate") using a hydrometallurgical process. The black mass concentrate will be refined to produce battery grade end-products, such as lithium, nickel and cobalt, for sale back into the battery manufacturing and related markets.

Compliance Statements (Title V Applications Only)

I certify that as of the date of this application the facility is in compliance with all applicable requirements: ☐ YES ☐ NO
If one or more emission units at the facility are not in compliance with all applicable requirements at the time of signing this application (the 'NO' box must be checked), the noncomplying units must be identified in the "Compliance Plan" block on page 8 of this form along with the compliance plan information required. For all emission units at this facility that are operating in compliance with all applicable requirements complete the following:

☐ This facility will continue to be operated and maintained in such a manner as to assure compliance for the duration of the permit, except those emission units referenced in the compliance plan portion of this application.

☐ For all emission units, subject to any applicable requirements that will become effective during the term of the permit, this facility will meet such requirements on a timely basis.

☐ Compliance certification reports will be submitted at least once a year. Each report will certify compliance status with respect to each applicable requirement, and the method used to determine the status.

DEC ID
- -

Section III - Facility Information

Facility Applicable Federal Requirements									☐ Continuation Sheet(s)
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Sub Clause
40	CFR	60	A						*SEE* ***
40	CFR	63	A						*SEE* ***
40	CFR	63	VVVVVV	11495	d				*SEE* ***
40	CFR	63	VVVVVV	11501	b				*SEE* ***
40	CFR	63	VVVVVV	11501	d				*SEE* ***
40	CFR	63	VVVVVV	11501	e				*SEE* ***
40	CFR	68							---
40	CFR	82	F						---
6	NYCRR	200		6					---
6	NYCRR	200		7					---
6	NYCRR	201	1	5					---
6	NYCRR	201	1	7					---
6	NYCRR	201	1	8					---
6	NYCRR	201	1	15					*SEE* ***
6	NYCRR	201	3	2	a				---
6	NYCRR	201	3	3	a				---
6	NYCRR	201	5	2	c				---
6	NYCRR	201	5	4					---
6	NYCRR	201	7	1				*<= MON'G COND FOR VOC*	*SEE* **
6	NYCRR	211		2					---
6	NYCRR	215		2					---
6	NYCRR	226	1	3					*SEE* ***
6	NYCRR	226	1	4	a				*SEE* ***
6	NYCRR	226	1	5	a				*SEE* ***

Facility State Only Requirements									☐ Continuation Sheet(s)
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Sub Clause
6	NYCRR	201	1	4					---
6	NYCRR	211		1					---
6	NYCRR	212	1	5	g				---

*** A Facility-level Compliance Certification Form is provided for these applicable requirements.*

DEC ID
- -

Section III - Facility Information

Facility Emissions Summary			
CAS Number	Contaminant Name	Potential to Emit (tons/yr)	Actual Emissions (pounds/yr) @
0NY075-00-0	TOTAL PM	*3.7* [A]	---
0NY075-00-5	PM-10	*3.7* [A]	---
0NY075-02-5	PM-2.5	*3.7* [A]	---
007446-09-5	SULFUR DIOXIDE	*0*	---
0NY210-00-0	OXIDES OF NITROGEN	*0*	---
000630-08-0	CARBON MONOXIDE	*0*	---
007439-92-1	LEAD (ELEMENTAL)	*0*	---
0NY988-00-0	TOTAL VOLATILE ORGANIC COMPOUNDS	*12* [B]	---
0NY100-00-0	TOTAL HAZARDOUS AIR POLLUTANTS (HAP)	*0.77* [C]	---
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS	*6800*	---
~~*7664-39-3*~~	~~*Hydrofluoric Acid*~~	~~*0.34*~~ [C]	~~—~~
---	*Cobalt Compounds*	*9.1E-02* [C]	---
---	*Nickel Compounds*	*0.68* [C]	---

NOTE: Speciated HAPs are listed in italics.

@ Facility has not yet been constructed, so there are no "actual emissions".

[A] *The PTE values for PM, PM-10 and PM-2.5 reflect the use of control for all sources of particulate emissions. For these air contaminants, the use of control will be made federally-enforceable via proposed monitoring conditions driven from 6 NYCRR 212-2.4(b).*

[B] *The PTE value for VOC reflects the use of control for sources of VOC emissions. For this air contaminant, the use of control will be made federally-enforceable via a proposed permit condition driven from 6 NYCRR 201-7.*

[C] *The PTE value for Total HAPs and speciated HAPs does not reflect the use of emission control. For these air contaminants, emission control may be utilized to reduce emissions and ensure compliance with the air toxics requirements of 6 NYCRR Part 212 (which are state-only enforceable requirements).*

DEC ID											

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	60	A						

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

Owners or operators of affected sources which are subject to 40 CFR Part 60 must comply with the applicable requirements of 40 CFR 60 Subpart A, as defined by the specific NSPS regulation. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

***COMMENTS**: This facility requirement is identified in the Facility Table of Applicable Requirements. It is shown to convey the nature of the requirements).*

Work Practice Type	Process Material		Reference Test Method
	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

DEC ID

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	A						

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

Owners or operators of affected sources which are subject to 40 CFR Part 63 must comply with the applicable requirements of 40 CFR 63 Subpart A, as defined by the specific MACT regulation. This facility is subject to the requirements of 40 CFR 63 Subpart A as defined in the following MACT tables:

40 CFR 63 Subpart VVVVVV, Table 9 [§63.11501(a)]

Subpart A (the General Provisions for the NESHAP for Source Categories regulations) contains requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

***COMMENTS**: This facility requirement is identified in the Facility Table of Applicable Requirements. It is shown to convey the nature of the requirements).*

Work Practice Type	Process Material		Reference Test Method
	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				16	AS REQUIRED – SEE MONITORING DESCRIPTION

DEC ID										

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	VVVVVV	11495	d				

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
<<FACILITY>>

General duty. At all times, the permittee must operate and maintain any affected CMPU, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the CMPU.

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

DEC ID

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	VVVVVV	11501	b				

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
<<FACILITY>>

Notification of Compliance Status (NOCS). The NOCS required by §63.9(h) must include the following additional information as applicable:

(1) This certification of compliance, signed by a responsible official:
(i) "This facility complies with the management practices in §63.11495."
(ii) "This facility complies with the requirements in §63.11496 for HAP emissions from process vents."
(iii) "This facility complies with the requirements in §63.11496 and §63.11497 for surge control vessels, bottoms receivers, and storage tanks."
(iv) "This facility complies with the requirements in §63.11498 to treat wastewater streams."
(v) "This facility complies with the requirements in §63.11499 for heat exchange systems."
(2) If the facility complies with the alternative standard as specified in Table 2 to this subpart or Table 3 to this subpart, include the information specified in §63.1258(b)(5), as applicable.
(3) If the facility establishes an operating limit for a parameter that will not be monitored continuously in accordance with §§63.11496(g)(4) and 63.2450(k)(6), provide the information as specified in §§63.11496(g)(4) and 63.2450(k)(6).
(4) A list of all transferred liquids that are reactive or resinous materials, as defined in §63.11502(b).
(5) If the facility complies with provisions in an overlapping rule in accordance with §63.11500, identify the affected CMPU, heat exchange system, and/or wastewater system; provide a list of the specific provisions with which the facility will comply; and demonstrate that the provisions with which the facility will comply are at least as stringent as the otherwise applicable requirements, including monitoring, recordkeeping, and reporting requirements, in this Subpart VVVVVV.

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

DEC ID										

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	VVVVVV	11501	d				

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
<<FACILITY>>

Semiannual Compliance Reports. The facility must submit semiannual compliance reports that contain the information specified in paragraphs (1) through (7) below, as applicable. Reports are required only for semiannual periods during which the facility experienced any of the events described in paragraphs (1) through (8).

(1) *Deviations.* The facility must clearly identify any deviation from the requirements of this subpart.

(2) *Delay of Repair for a Large Heat Exchange System.* The facility must include the information specified in §63.104(f)(2) each time you invoke the delay of repair provisions for a heat exchange system with a cooling water flow rate equal to or greater than 8,000 gal/min.

(3) *Delay of Leak Repair.* The facility must provide the following information for each delay of leak repair beyond 15 days for any process equipment, storage tank, surge control vessel, bottoms receiver, and each delay of leak repair beyond 45 days for any heat exchange system with a cooling water flow rate less than 8,000 gal/min: information on the date the leak was identified, the reason for the delay in repair, and the date the leak was repaired.

(4) *Process Change.* The facility must report each process change that affects a compliance determination and submit a new certification of compliance with the applicable requirements in accordance with the procedures specified in §63.11501(b).

(5) *Data for the Alternative Standard.* If the facility complies with the alternative standard, as specified in Table 2 to this subpart or Table 3 to this subpart, report the information required in §63.1258(b)(5).

(6) *Overlapping Rule Requirements.* Report any changes in the overlapping provisions with which you comply.

(7) *Reactive and Resinous Materials.* Report any transfer of liquids that are reactive or resinous materials, as defined in §63.11502(b), and not included in the NOCS.

(8) *Malfunctions.* If a malfunction occurred during the reporting period, the report must include the number of instances of malfunctions that caused emissions in excess of a standard. For each malfunction that caused emissions in excess of a standard, the report must include a list of the affected sources or equipment, an estimate of the volume of each regulated pollutant emitted over the standard, and a description of the method used to estimate the emissions. The report must also include a description of actions you took during a malfunction of an affected source to minimize emissions in accordance with §63.11495(d), including actions taken to correct a malfunction.

DEC ID											

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

DEC ID										

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	VVVVVV	11501	e				

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
<<FACILITY>>

Affirmative defense for violation of emission standards during malfunction. In response to an action to enforce the standards set forth in §§63.11495 through 63.11499, the permittee may assert an affirmative defense to a claim for civil penalties for violations of such standards that are caused by malfunction, as defined at 40 CFR 63.2. Appropriate penalties may be assessed if the permittee fails to meet the burden of proving all of the requirements in the affirmative defense. The affirmative defense shall not available for claims for injunctive relief.

(1) To establish the affirmative defense in any action to enforce such a standard, the permittee must timely meet the notification requirements in paragraph (2), and must prove by a preponderance of evidence that:
  (i) The violation:
    (A) Was caused by a sudden, infrequent, and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner; and
    (B) Could not have been prevented through careful planning, proper design, or better operation and maintenance practices; and
    (C) Did not stem from any activity or event that could have been foreseen and avoided, or planned for; and
    (D) Was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; and
  (ii) Repairs were made as expeditiously as possible when a violation occurred. Off-shift and overtime labor were used, to the extent practicable to make these repairs; and
  (iii) The frequency, amount, and duration of the violation (including any bypass) were minimized to the maximum extent practicable; and
  (iv) If the violation resulted from a bypass of control equipment or a process, then the bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
  (v) All possible steps were taken to minimize the impact of the violation on ambient air quality, the environment and human health; and
  (vi) All emissions monitoring and control systems were kept in operation if at all possible, consistent with safety and good air pollution control practices; and
  (vii) All of the actions in response to the violation were documented by properly signed, contemporaneous operating logs; and
  (viii) At all times, the affected CMPU was operated in a manner consistent with good practices for minimizing emissions; and
  (ix) A written root cause analysis has been prepared, the purpose of which is to determine, correct, and eliminate the primary causes of the malfunction and the violation resulting from the malfunction event at issue. The analysis must also specify, using best monitoring methods and engineering judgment, the amount of any emissions that were the result of the malfunction.

(2) *Report.* If the permittee seeks to assert an affirmative defense, the permittee must submit a written report to the Administrator, with all necessary supporting documentation, that the permittee has met the requirements set forth in paragraph (1). This affirmative defense report must be included in the first periodic compliance report, deviation report, or excess emission report otherwise required after the initial occurrence of the violation of the relevant standard (which may be the end of any applicable averaging period). If such compliance report, deviation report, or excess emission report is due less than 45 days after the initial occurrence of the violation, the affirmative defense report may be included in the second compliance report, deviation report, or excess emission report due after the initial occurrence of the violation of the relevant standard.

DEC ID											

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

DEC ID

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	201	1	15					

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☐ Record Keeping/Maintenance Procedures

Description

The existence of a valid permit shall not be construed as authorizing construction if construction is not commenced within 18 months after the date of permit issuance, if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time as determined by the department. Up to an 18-month extension may be granted by the department upon a showing of good cause in a written request by the facility owner or operator. The department may suspend, modify or revoke the permit or registration pursuant to Part 621 of this Title if construction or modification has not commenced within 18 months of issuance of such permit or registration, or construction has been discontinued for a period of more than 18 months at any point after issuance of such permit or registration.

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

DEC ID										

Section III - Facility Information

Facility Compliance Certification									☐ Continuation Sheet(s)
Rule Citation									
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	201	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

PROCEDURES FOR PERMIT MODIFICATIONS

Permit Applications

(1) Prior to commencing construction of either a significant modification or a minor modification as described in 6 NYCRR 201-5.4(c), the owner/ operator must submit an application for permit modification meeting the requirements of 6 NYCRR 201-5.2.

(2) In accordance with 6 NYCRR 201-5.4(b), the following changes qualify as significant modifications:

(a) Changes that cause the facility to become subject to a new applicable requirement;
(b) Changes that result in less stringent monitoring, record keeping, or reporting requirements;
(c) Changes that seek to establish or change a case-by-case determination or department approved variance;
(d) Changes that seek to establish or change a federal- enforceable emissions cap or a permit term or condition that the facility has accepted to avoid an applicable requirement to which the facility would otherwise be subject; and
(e) Changes that are modifications under any provision of Title I of the Clean Air Act that result in an emissions increase in excess of the NSR major facility thresholds contained in 6 NYCRR 231-13.

(3) In accordance with 6 NYCRR 201-5.4(c), a minor permit modification is any change that meets the definition of modification under 6 NYCRR 200.1(aq) and does not meet the criteria for a significant permit modification.

(4) Applications for significant permit modifications are subject to the public noticing requirements for new applications pursuant to the requirements of Part 621 of this Title. The modified permit must be issued before the facility owner or operator may commence construction or operation of the requested modification.

(5) The facility owner or operator may proceed with the requested minor modification upon receipt of a notice of complete application from the department confirming that the modification is minor. If the department fails to make a completeness determination, the application shall be deemed complete by default on the 15th day after receipt of the application and the facility owner or operator may proceed with the requested modification on the 25th day after the date that the department received the application. After the facility owner or operator makes the change and until the department takes final action, or notifies the facility owner or operator that the requested modification does not meet the minor modification criteria, the facility owner or operator must comply with both the applicable requirements governing the change and any proposed permit terms and conditions contained in the application. During this time period, the facility owner or operator need not comply with the existing permit terms and conditions for which a modification is proposed. However, if the facility owner or operator fails to comply with the proposed permit terms and conditions during this time period, the existing permit terms and conditions for which a modification is proposed may be enforced against it.

Advance Notifications

(1) Certain changes which meet the criteria under (a) - (d) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must notify the department in writing at least 15 days in advance of making each such change.
(a) The change is not a significant modification.
(b) The change does not cause facility emissions to exceed any emission limitation or other condition in the facility's permit or result in emissions of a regulated contaminant not previously emitted or authorized under a permit;
(c) The change does not cause the facility (i.e., subject emission unit, emission source, process, or emission point subject to air permitting requirements) to become subject to any additional applicable requirements or regulations; and

DEC ID											

(d) The change does not seek to establish or change a federally-enforceable emission cap or limit, or the monitoring, record keeping, or reporting requirement associated with the emission cap or limit.

(2) Advance notifications shall include the following information:
(a) identification of the emission unit(s), process(es), emission source(s), and emission point(s) affected by the proposed change;
(b) date on which the change is to occur;
(c) description of the proposed change;
(d) if appropriate, the identification and description of emissions control technology and compliance terms; and
(e) the identification of all contaminants emitted by the affected emission sources and calculations of the emission rate potential, potential to emit, and projected actual annual emission rates after the proposed change.

(6) The owner or operator of a facility which has made a change pursuant to these advance notification requirements must maintain a record of the date and description of each such change at the facility, and shall include each change in the facility's next permit renewal or modification application. These records shall be maintained at the facility until the changes are incorporated into the facility's permit and must be made available for review by Department representatives upon request.

(7) The Department may require a permit modification to impose applicable requirements or permit conditions if it determines that changes proposed pursuant to the advance notification requirements do not meet the established criteria, or that the changes may have a significant air quality impact. In such cases, the department shall require that the facility owner or operator not undertake the proposed changes until a permit modification is issued. The Department's determination shall include a listing of any additional information necessary to complete its review of the proposed changes.

COMMENTS: *This proposed permit condition reflects the revised permit modification requirements of 6 NYCRR 201-5.4 that became effective on 21 February 2021. It is requested that the NYSDEC include the language highlighted in blue so that the addition of an exempt or trivial source (such as an emergency generator, combustion source or solvent cleaning unit) at the facility does not qualify as a significant permit modification.*

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
		14	AS REQUIRED – SEE MONITORING DESCRIPTION	16	AS REQUIRED – SEE MONITORING DESCRIPTION

DEC ID										

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	201	7	1					

☒ Applicable Federal Requirement ☐ State Only Requirement	☒ Capping	CAS Number	Contaminant Name
		NY998-00-0	VOLATILE ORGANIC COMPOUNDS

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☐ Record Keeping/Maintenance Procedures

Description

Item XXX.1:
The sum of emissions from the emission units specified in this permit shall not equal or exceed the following Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY998-00-0
PTE: 98,000 pounds per year
Name: VOLATILE ORGANIC COMPOUNDS

Item XXX.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1

Item XXX.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item XXX.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item XXX.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item XXX.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item XXX.6:
The Compliance Demonstration activity will be performed for the Facility.
Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOLATILE ORGANIC COMPOUNDS

Item XXX.7:
Compliance Demonstration shall include the following monitoring:

DEC ID											

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

In order to limit facility emissions of volatile organic compounds (VOCs) below the major source threshold, the emission sources associated with Emission Point EP019 shall be controlled by an activated carbon unit (Control Device CAC01). To ensure that the control device is operating properly, the outlet of the activated carbon unit listed below shall be continuously monitored for breakthrough of total hydrocarbons (THC). The activated carbon unit shall be immediately replaced when the THC concentration reaches 20 ppm. THC readings shall be recorded at a minimum of once every fifteen minutes.

The THC monitoring device shall be calibrated and maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of THC readings and calibration/maintenance of the THC monitoring device shall be maintained onsite and made available to the Department upon request.

The THC breakthrough limit of 20 ppm may be subsequently adjusted based upon review and approval by the Department, To modify the limit, Li-Cycle shall submit a letter requesting a change in the breakthrough,limit, as well as the proposed alternate limit. The letter shall include a summary of the actual operating data, and/or other basis for the request.

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	
23	CONCENTRATION	

Limit		Limit Units	
Upper	Lower	Code	Description
20		273	PARTS PER MILLION (BY VOLUME)

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
60	MAXIMUM – NOT TO BE EXCEED STATED VALUE – SEE MONITORING DESCRIPTION	01	CONTINUOUS	15	ANNUALLY (CALENDAR)

DEC ID

Section III - Facility Information (continued)

acility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	226	1	3					

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name
		0NY998-00-0	VOC

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
<<FACILITY>>

A person conducting solvent metal cleaning must:
(a) store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere;
(b) maintain equipment to minimize leaks and fugitive emissions;
(c) display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs;
(d) keep the degreaser cover closed except when parts are being placed into or being removed from the degreaser, the cover needs to be open in order to add or remove solvent from the degreaser, no solvent is in the degreaser, or manually cleaning metal parts in a cold cleaning degreaser;
(e) create and retain a record of solvent consumption for five years. This record must be made available to the department upon request;
(f) not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser; and
(g) if using a cold cleaning degreaser that is subject to section 226.4(a)(4) of this Part, retain a record of the following three items for five years and provide these records to the department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a manufacturers published information, or other appropriate documentation acceptable to the department may be used to comply with this requirement:
(1) the name and address of the solvent supplier;
(2) the type of solvent including the product or vendor identification number; and.
(3) the VOC content of the cleaning solution in grams per liter (gm/l) or the vapor pressure of the solvent measured in mm Hg at 20°C (68°F) as appropriate to verify compliance.

COMMENTS: *The language shown above reflects the requirements of the revised version of 6 NYCRR Part 226-1 that became effective on 10/23/2019. Per §226-1.4(a)(4), the new VOC content limit became effective on 12/1/2020. Per a letter dated 8/6/2020 the NYSDEC is utilizing its enforcement discretion to provide an additional 12 months (i.e., until 12/1/2021) to comply with the requirements of the revised section 226-1.4(a)(4) (I.e., VOC content limit).*

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

DEC ID

				10	UPON REQUEST BY REGULATORY AGENCY

DEC ID										

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	226	1	4	a				

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name
		0NY998-00-0	VOC

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
<<FACILITY>>

Except as otherwise permitted by the department pursuant to section 226-1.6 of this Subpart, the following types of control requirements must be used by a an owner or operator conducting solvent metal cleaning:

(a) Cold cleaning degreasing when the internal volume of the machine is greater than two gallons.
(1) A cover which can be operated easily.
(2) An internal drainage facility (under cover), if practical.
(3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. Remote reservoir degreasers are exempt from this requirement.
(4) Cleaning solution with a maximum VOC content of 25 grams per liter at 20°C; prior to December 1, 2020, a cleaning solution with a vapor pressure of 1.0 mm Hg, or less, at 20°C may be used to demonstrate compliance with this subdivision. This paragraph does not apply to degreasers:
(i) used in special and extreme solvent metal cleaning;
(ii) for which the owner or operator has received department approval of a demonstration that compliance with the requirement of a cleaning solution with a maximum VOC content of 25 grams per liter at 20°C, or with a vapor pressure of 1.0 mm Hg, or less, at 20°C will result in unsafe operating conditions; or
(iii) that are located in a permanent total enclosure having control equipment that is designed and operated with an overall VOC removal efficiency of 90 percent or greater.

COMMENTS: *The language shown above reflects the requirements of the revised version of 6 NYCRR Part 226-1 that became effective on 10/23/2019. Under the revised regulation, the NYSDEC has replaced the vapor pressure limit (1.0 mm Hg at 20 °C) with the VOC content limit of 25 g VOC/ Liter. Per a letter dated 8/6/2020 the NYSDEC is utilizing its enforcement discretion to provide an additional 12 months (i.e., until 12/1/2021) to comply with the requirements of the revised section 226-1.4(a)(4) (I.e., VOC content limit).*

Work Practice	Process Material		
Type	Code	Description	Reference Test Method

Parameter		
Code	Description	Manufacturer's Name/Model Number

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

DEC ID

				10	UPON REQUEST BY REGULATORY AGENCY

DEC ID										

Section III - Facility Information (continued)

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	226	1	5	a				

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS Number	Contaminant Name
		0NY998-00-0	VOC

Monitoring Information

☐ Ambient Air Monitoring ☐ Work Practice Involving Specific Operations ☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
<<FACILITY>>

Except as otherwise allowed by the department pursuant to section 226.5 of this Part, the following operating practices are required by a person conducting solvent metal cleaning:
(1) Cold cleaning degreasing. Clean parts shall be drained at least 15 seconds or until dripping ceases.

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Description	☒ Continuation Sheet(s)
EMISSION UNIT	1 - E X M P T

Facility-wide Emission Unit for Various Sources/Activities that are Exempt from Permitting, but are Subject to Applicable Requirements. Operations are Located Throughout the Facility.

Building Information ☐ Continuation Sheet(s)

Building ID	Building Name	Length (ft)	Width (ft)	Orientation
FACILITY	FACILITY			

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Emission Unit -	Emission Unit Emissions Summary ☐ Continuation Sheet(s)			
CAS Number	Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)

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Emission Point Information ☒ Continuation Sheet(s)

EMISSION PT.						
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Source/Control ☒ Continuation Sheet(s)

Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model Number
ID	Type				Code	Description	
X0001	C						Emergency Stationary Reciprocating Internal Combustion Engines Firing Distillate Oil, Exempt from Permitting Requirements. (Equipment is Located Throughout the Facility and is subject to 40 CFR 60 Subpart IIII).

Design Capacity	Design Capacity Units		Waste Feed		Waste Type	
	Code	Description	Code	Description	Code	Description

DEC ID

Section IV - Emission Unit Information

Process Information										☒ Continuation Sheet(s)			
EMISSION UNIT	1	-	E	X	M	P	T			PROCESS	X	0	1

Description

Emergency stationary reciprocating internal combustion engines firing distillate, located at facility, subject to 40 CFR 60 Subpart IIII.

These emission sources are exempt from permitting requirements, per 6 NYCRR 201-3.2(c)(6). These sources have been included in this permit for purposes of documenting all applicable requirements for the facility.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
2-02-001-02				

☐ Confidential ☐ Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Point Identifier(s)							

Emission Source/Control Identifier(s)							

X0001							

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Process Emissions Summary						☐ Continuation Sheet(s)			
Emission Unit		-						Process	
CAS Number	Contaminant Name		% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined		

Potential to Emit			Standard Units	Potential to Emit How Determined	Actual Emissions	
(lbs/hr)	(lbs/yr)	(standard units)			(lbs/hr)	(lbs/yr)

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Emission Source Emissions Summary						☐ Continuation Sheet(s)			
Emission Source		-						Process	
CAS Number	Contaminant Name		% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined		

Potential to Emit			Standard Units	Potential to Emit How Determined	Actual Emissions	
(lbs/hr)	(lbs/yr)	(standard units)			(lbs/hr)	(lbs/yr)

DEC ID

Section IV - Emission Unit Information

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements ☐ Continuation Sheet(s)									
				Title	Type	Part	Subpart	Section	Subdivision	Parag.	Subparag.	Clause	Subclause
1-EXMPT		X01		40	CFR	60	IIII	4205					*SEE* ***
1-EXMPT		X01		40	CFR	60	IIII	4206					*SEE* ***
1-EXMPT		X01		40	CFR	60	IIII	4207					*SEE* ***
1-EXMPT		X01		40	CFR	60	IIII	4208					*SEE* ***
1-EXMPT		X01		40	CFR	60	IIII	4209					*SEE* ***
1-EXMPT		X01		40	CFR	60	IIII	4211	a				*SEE* ***
1-EXMPT		X01		40	CFR	60	IIII	4211	b				*SEE* ***
1-EXMPT		X01		40	CFR	60	IIII	4211	c				
1-EXMPT		X01		40	CFR	60	IIII	4211	f				*SEE* ***
1-EXMPT		X01		40	CFR	60	IIII	4211	g				*SEE* ***
1-EXMPT		X01		40	CFR	60	IIII	4214	b				*SEE* ***
1-EXMPT		X01		6	NYCRR	227	1	3					*SEE* ***

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements ☐ Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Subcllause

*** *An Emission Unit-level Compliance Certification Form is provided for these applicable requirements.*

DEC ID										

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4205					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:

Emission Unit 1-EXMPT/ Process X01

(a) Owners and operators of pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder that are not fire pump engines must comply with the emission standards in Table 1 to this subpart. Owners and operators of pre-2007 model year emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards in 40 CFR 94.8(a)(1).

(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

(d) Owners and operators of emergency stationary CI engines with a displacement of greater than or equal to 30 liters per cylinder must meet the requirements in this section.

(e) Owners and operators of emergency stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests in-use must meet the NTE standards as indicated in §60.4212.

(f) Owners and operators of any modified or reconstructed emergency stationary CI ICE subject to this subpart must meet the emission standards applicable to the model year, maximum engine power, and displacement of the modified or reconstructed CI ICE that are specified in paragraphs (a) through (e) of this section.

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer Name/Model No.
Code	Description	

DEC ID											

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4206					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:

Emission Unit 1-EXMPT/ Process X01

Owners and operators of stationary combustion ignition internal combustion combustion engine (CI ICE) must operate and maintain the stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4207					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
Emission Unit 1-EXMPT/ Process X01

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

(d) Beginning June 1, 2012, owners and operators of stationary CI ICE subject to this subpart with a displacement of greater than or equal to 30 liters per cylinder must use diesel fuel that meets a maximum per-gallon sulfur content of 1,000 parts per million (ppm).

NOTE: Pursuant to the sulfur-in-fuel limitations of 6 NYCRR 225-1.2 (h), owners and/or operators of any stationary combustion installation that fires distillate oil including number two heating oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
				14	AS REQUIRED – SEE MONITORING DESCRIPTION

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4208					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
Emission Unit 1-EXMPT/ Process X01

Owners or operators of emergency engines are subject to the following deadlines for importing or installing stationary compression ignition internal combustion engines (CI-ICE) produced in the previous model year:

(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

(b) After December 31, 2009, owners and operators may not install stationary CI ICE with a maximum engine power of less than 19 KW (25 HP) (excluding fire pump engines) that do not meet the applicable requirements for 2008 model year engines.

(h) In addition to the requirements specified in §§60.4201, 60.4202, 60.4204, and 60.4205, it is prohibited to import stationary CI ICE with a displacement of less than 30 liters per cylinder that do not meet the applicable requirements specified in paragraphs (a) through (g) of this section after the dates specified in paragraphs (a) through (g) of this section.

(i) The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4209					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
Emission Unit 1-EXMPT/ Process X01

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

(b) If you are an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in §60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
				14	AS REQUIRED – SEE MONITORING DESCRIPTION

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4211	a				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

(PC NEW)

APPLICABILITY:
Emission Unit 1-EXMPT/ Process X01

Except as provided under 40 CFR 60.4211(g), the owner or operator of a stationary CI internal combustion engine that must comply with the emission standards specified in 40 CFR 60 Subpart IIII must do all of the following:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR part 1068, as they apply to the facility

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
				10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4211	b				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☒ Record Keeping/Maintenance Procedures

Description

(PC NEW)

APPLICABILITY:
Emission Unit 1-EXMPT/ Process X01

Owners and/or operators of a CI fire pump engine that is manufactured prior to the model years in Table 3 of Subpart IIII and must comply with the emission standards specified in §60.4205(c), compliance must be demonstrated by using one of the following methods:

(1) Purchasing an engine certified to emission standards for the same model year and maximum engine power as described in 40 CFR parts 1039 and 1042, as applicable. The engine must be installed and configured according to the manufacturer's specifications.
(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.
(3) Keeping records of engine manufacturer data indicating compliance with the standards.
(4) Keeping records of control device vendor data indicating compliance with the standards.
(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in §60.4212, as applicable.

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
				16	AS REQUIRED – SEE MONITORING DESCRIPTION

DEC ID										

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4211	c				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☒ Record Keeping/Maintenance Procedures

Description

(PC NEW)

APPLICABILITY:
Emission Unit 1-EXMPT/ Process X01

Owners and/or operators of a CI fire pump engine that is manufactured prior to the model years in Table 3 of Subpart IIII and must comply with the emission standards specified in §60.4205(c), compliance must be demonstrated by using one of the following methods:

(1) Purchasing an engine certified to emission standards for the same model year and maximum engine power as described in 40 CFR parts 1039 and 1042, as applicable. The engine must be installed and configured according to the manufacturer's specifications.
(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.
(3) Keeping records of engine manufacturer data indicating compliance with the standards.
(4) Keeping records of control device vendor data indicating compliance with the standards.
(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in §60.4212, as applicable.

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
				16	AS REQUIRED – SEE MONITORING DESCRIPTION

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4211	f				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☒ Record Keeping/Maintenance Procedures

Description

(PC NEW)

APPLICABILITY:
Emission Unit 1-EXMPT/ Process X01

If the facility owns or operates an emergency stationary ICE, the facility must operate the emergency stationary ICE according to the requirements in 40 CFR Part 60.4211(f)(1)-(3). In order for the engine to be considered an emergency stationary ICE, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR Part 60.4211(f)(1)-(3), is prohibited. If the facility does not operate the engine according to the requirements in 40 CFR Part 60.4211(f)(1)-(3), the engine will not be considered an emergency engine under this condition and must meet all requirements in 40 CFR Part 60, Subpart IIII for non-emergency engines.

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
				10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4211	g				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
Emission Unit 1-EXMPT/ Process X01

If the facility does not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or if the emission-related settings are changed in a way that is not permitted by the manufacturer, the facility must demonstrate compliance as follows:

(1) The owner or operator of a stationary CI internal combustion engine with maximum engine power less than 100 HP, must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if the facility does not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or if the emission related settings are changed in a way that is not permitted by the manufacturer, the facility must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action.

(2) The owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the facility must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

(3) The owner or operator of a stationary CI internal combustion engine greater than 500 HP, must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the facility must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after a change to emission-related settings in a way that is not permitted by the manufacturer. The facility must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

DEC ID

Work Practice	Process Material		Reference Test Method
Type	Code	Description	

Parameter		Manufacturer Name/Model No.
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	IIII	4214	b				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☒ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:
Emission Unit 1-EXMPT/ Process X01

For stationary CI internal combustion engines that are emergency stationary internal combustion engines, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 of Subpart IIII, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter.

The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

COMMENTS: *The sources in the identified processes are exempt from permitting requirements, but are nonetheless subject to requirements under 40 CFR 60 Subpart IIII. The facility understands that the NYSDEC no longer accepts delegated authority from USEPA for this regulation.*

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
				10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	227	1	3					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

APPLICABILITY:

Emission Unit 1-EXMPT/ Process X01

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or request the performance of a Method 9 compliance test at any time.

COMMENTS: *The sources in the identified process are exempt from permitting requirements, but are nonetheless subject to the opacity requirements of 6 NYCRR 227-1.3.*

Work Practice		Process Material		Reference Test Method
Type	Code	Description		

Parameter		Manufacturer Name/Model No.
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Description	☒ Continuation Sheet(s)
EMISSION UNIT	U - 0 0 0 0 1

Hydrometallurgical processes used to extract, refine and produce Nickel Sulfate and Cobalt Sulfate from black mass concentrate. (Black mass concentrate is derived from the active materials in lithium ion batteries).

Many of the pieces of process equipment identified within this permit (as well as other pieces of equipment that are not subject to permitting requirements) are part of a "Chemical Manufacturing Process Unit" (CMPU) as defined under 40 CFR 63 Subpart VVVVVV (Chemical Manufacturing Area Source MACT). However, only the equipment listed in Process P01 is subject to requirements under this MACT regulation.

Building Information ☐ Continuation Sheet(s)

Building ID	Building Name	Length (ft)	Width (ft)	Orientation
101	BM Building	153	43	
013	Area 210	92	153	
012	Area 310	100	72	
004	Area 410	363	191	
005	Area 510	363	191	
007	Area 520/620/910	218	32	
006	Area 610	387	220	
010	Area 805	25	12	
011	Area 915	12	61	
009	Area 2030	24	34	

DEC ID

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Section IV - Emission Unit Information (continued)

Emission Unit	**Emission Unit Emissions Summary** ☐ Continuation Sheet(s)			
-				
CAS Number	Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)

DEC ID

Section IV - Emission Unit Information (continued)

Emission Point Information ☒ Continuation Sheet(s)

EMISSION PT.	E P 0 0 1					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	65	5	10	104		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	8,960					

EMISSION PT.	E P 0 0 2					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	65	5	16	120		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	11,715					

EMISSION PT.	E P 0 0 3					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	65	5	10	120		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	6,608					

EMISSION PT.	E P 0 0 4					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	80	5	7	122		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	3,756					

EMISSION PT.	E P 0 0 5					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	65	5	3	122		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	9,123.8					

DEC ID

Section IV - Emission Unit Information (continued)

Emission Point Information ☒ Continuation Sheet(s)

EMISSION PT.	EP006					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	65	5	29	70		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	16,940					

EMISSION PT.	EP007					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

EMISSION PT.	EP008					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

EMISSION PT.	EP009					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	10	10	27	70		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	14,000					

EMISSION PT.	EP010					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	10	10	12	70		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	2,870					

DEC ID

Section IV - Emission Unit Information (continued)

Emission Point Information ☒ Continuation Sheet(s)

EMISSION PT.	EP011					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	49.2	23	12.5	132		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	3,010.7					
EMISSION PT.	EP012					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
EMISSION PT.	EP013					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
EMISSION PT.	EP014					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
EMISSION PT.	EP015					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

DEC ID

Section IV - Emission Unit Information (continued)

Emission Point Information ☒ Continuation Sheet(s)

EMISSION PT.	EP016					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
EMISSION PT.	EP017					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
EMISSION PT.	EP018					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	49.2	9.2	19	70		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	6,922					
EMISSION PT.	EP019					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
	95	5	26	70		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
	16,464					
EMISSION PT.	EP020					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

DEC ID

Section IV - Emission Unit Information (continued)

Emission Point Information						☒ Continuation Sheet(s)
EMISSION PT.	E P 0 2 1					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CAC01	K				048	Activated Carbon Adsorption	Activated Carbon Unit 1

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CCS01	K				001	Wet Scrubber	Caustic Scrubber 1

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CDC01	K				016	Fabric Filter	Dust Collector 1

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CDC02	K				016	Fabric Filter	Dust Collector 2

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CDC03	K				016	Fabric Filter	Dust Collector 3

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CDC04	K				016	Fabric Filter	Dust Collector 4

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CDC05	K				016	Fabric Filter	Dust Collector 5

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CDC06	K				016	Fabric Filter	Dust Collector 6

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CDC07	K				016	Fabric Filter	Dust Collector 7

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CDC08	K				016	Fabric Filter	Dust Collector 8

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CDC09	K				016	Fabric Filter	Dust Collector 8

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CWS01	K				001	Wet Scrubber	Wet Scrubber 1

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CWS02	K				001	Wet Scrubber	Wet Scrubber 2

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CWS03	K				001	Wet Scrubber	Wet Scrubber 3

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CWS04	K				001	Wet Scrubber	Wet Scrubber 4

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0101	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0102	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0103	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0104	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0105	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0106	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0107	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0108	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0109	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0201	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0202	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0203	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0204	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0205	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0206	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0207	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0208	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0209	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0210	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0211	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0401	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0402	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0403	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0404	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0405	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0406	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0407	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0408	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0409	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0410	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0411	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0412	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0501	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0502	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0503	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0504	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0505	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0506	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0507	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0508	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0509	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0510	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0511	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0512	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0513	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0514	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0515	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0516	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0601	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0602	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0603	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0604	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0605	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0606	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0607	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0608	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0609	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0610	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0611	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0612	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0613	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0614	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0615	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0616	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0617	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0701	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0702	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0703	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0704	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0801	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0802	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0803	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0804	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0805	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0806	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0807	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0808	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0809	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0901	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0902	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
S0903	I						[redacted]

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

DEC ID

Section IV - Emission Unit Information (continued)

Emission Source/Control Information ☒ Continuation Sheet(s)

Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model Number
ID	Type				Code	Description	
S0904	I						[redacted]

Design Capacity	Design Capacity Units		Waste Feed		Waste Type	
	Code	Description	Code	Description	Code	Description

DEC ID

Section IV – Emission Unit Information (continued)

Process Information ☒ Continuation Sheet(s)

EMISSION UNIT	U	-	0	0	0	0	1	PROCESS	P	1	A

Description

Process emission sources that are part of a "Chemical Manufacturing Process Unit" (CMPU) and are subject to control requirements under 40 CFR 63 Subpart VVVVVV (Chemical Manufacturing Area Source MACT) for solid metal HAP. Emission sources are also subject to 6 NYCRR Part 212.

Emissions are controlled by wet scrubbers.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
3-01-070-02				

☐ Confidential ☐ Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Point Identifier(s)

EP003	EP004						

Emission Source/Control Identifier(s)

CWS02	*CWS03*						
S0501	S0601						

EMISSION UNIT	U	-	0	0	0	0	1	PROCESS	P	1	B

Description

Equipment that is part of a "Chemical Manufacturing Process Unit" (CMPU) and are subject to limited requirements under 40 CFR 63 Subpart VVVVVV (Chemical Manufacturing Area Source MACT).

This equipment handles solid materials that contain metal HAP, however, there are no emissions to the outdoor atmosphere. Dust from these operations is controlled by dust collectors that exhaust back into the building.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
3-01-070-02				

☐ Confidential ☐ Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Point Identifier(s)

Emission Source/Control Identifier(s)

S0101	S0102	S0103					

DEC ID

Section IV – Emission Unit Information (continued)

Process Information ☒ Continuation Sheet(s)

EMISSION UNIT	U-0001	PROCESS	P02

Description

Process emission sources subject to 6 NYCRR Part 212 with emissions of particulate only. Emissions are controlled by wet scrubbers.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
3-01-070-02				

☐ Confidential ☐ Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Point Identifier(s)

EP002							

Emission Source/Control Identifier(s)

CWS01							
S0502	S0503	S0504	S0602	S0603	S0604		

EMISSION UNIT	U-0001	PROCESS	P03

Description

Process emission sources subject to 6 NYCRR Part 212 with emissions of particulate only. Emissions are controlled by dust collectors.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
3-01-070-02				

☐ Confidential ☐ Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Point Identifier(s)

EP004	EP005	EP006	EP007	EP008	EP009	EP010	EP020
EP021							

Emission Source/Control Identifier(s)

CDC01	*CDC02*	*CDC03*	*CDC04*	*CDC05*	*CDC06*	*CDC07*	*CDC08*
CDC09							
S0701	S0702	S0703	S0801	S0802	S0803	S0804	S0805
S0806	S0807	S0808	S0901	S0902	S0109	S0211	

DEC ID

Section IV – Emission Unit Information (continued)

Process Information ☒ Continuation Sheet(s)

EMISSION UNIT	U-0001	PROCESS	P04

Description

Process emission sources subject to 6 NYCRR Part 212 with emissions of acid gases. Emissions are controlled by a wet scrubber.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
3-01-070-02				

☐ Confidential ☐ Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Point Identifier(s)

EP011							

Emission Source/Control Identifier(s)

CWS04							
S0104	S0105	S0106	S0107				

EMISSION UNIT	U-0001	PROCESS	P05

Description

Process emission sources subject to 6 NYCRR Part 212 with emissions of acid gases. Emissions are uncontrolled.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
3-01-070-02				

☐ Confidential ☐ Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Point Identifier(s)

EP012	EP013	EP014	EP015	EP016	EP017		

Emission Source/Control Identifier(s)

<<no control>>							
S0108	S0201	S0704	S0809	S0903	S0904		

DEC ID

Section IV – Emission Unit Information (continued)

Process Information ☒ Continuation Sheet(s)

EMISSION UNIT	U-0001	PROCESS	P06

Description

Process emission sources subject to 6 NYCRR Part 212 with emissions of hydrogen sulfide. Emissions are controlled by a caustic scrubber.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
3-01-070-02				

☐ Confidential ☐ Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Point Identifier(s)

EP018							

Emission Source/Control Identifier(s)

CCS01							
S0202	S0203	S0204	S0205	S0206	S0207	S0208	S0209
S0210							

EMISSION UNIT	U-0001	PROCESS	P07

Description

Process emission sources subject to 6 NYCRR Part 212 with emissions of VOCs. Emissions are controlled by an activated carbon system.

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
3-01-070-02				

☐ Confidential ☐ Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hrs/Day	Days/Yr		

Emission Point Identifier(s)

EP019							

Emission Source/Control Identifier(s)

CAC01							
S0401	S0402	S0403	S0404	S0405	S0406	S0407	S0408
S0409	S0410	S0411	S0412	S0505	S0506	S0507	S0508
S0509	S0510	S0511	S0512	S0513	S0514	S0515	S0516
S0605	S0606	S0607	S0608	S0609	S0610	S0611	S0612
S0613	S0614	S0615	S0616	S0617			

DEC ID

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Section IV – Emission Unit Information (continued)

Process Emissions Summary					☐ Continuation Sheet(s)	
Emission Unit	-				Process	
CAS Number	Contaminant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined
Potential to Emit			Standard Units	Potential to Emit How Determined	Actual Emissions	
(lbs/hr)	(lbs/yr)	(standard units)			(lbs/hr)	(lbs/yr)
Emission Unit	-				Process	
CAS Number	Contaminant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined
Potential to Emit			Standard Units	Potential to Emit How Determined	Actual Emissions	
(lbs/hr)	(lbs/yr)	(standard units)			(lbs/hr)	(lbs/yr)
Emission Unit	-				Process	
CAS Number	Contaminant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined
Potential to Emit			Standard Units	Potential to Emit How Determined	Actual Emissions	
(lbs/hr)	(lbs/yr)	(standard units)			(lbs/hr)	(lbs/yr)

DEC ID											

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Section IV – Emission Unit Information (continued)

Emission Source Emissions Summary					☐ Continuation Sheet(s)	
Emission Source	-				Process	
CAS Number	Contaminant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined
Potential to Emit			Standard Units	Potential to Emit How Determined	Actual Emissions	
(lbs/hr)	(lbs/yr)	(standard units)			(lbs/hr)	(lbs/yr)
Emission Source	-				Process	
CAS Number	Contaminant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined
Potential to Emit			Standard Units	Potential to Emit How Determined	Actual Emissions	
(lbs/hr)	(lbs/yr)	(standard units)			(lbs/hr)	(lbs/yr)
Emission Source	-				Process	
CAS Number	Contaminant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined
Potential to Emit			Standard Units	Potential to Emit How Determined	Actual Emissions	
(lbs/hr)	(lbs/yr)	(standard units)			(lbs/hr)	(lbs/yr)
Emission Source	-				Process	
CAS Number	Contaminant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined
Potential to Emit			Standard Units	Potential to Emit How Determined	Actual Emissions	
(lbs/hr)	(lbs/yr)	(standard units)			(lbs/hr)	(lbs/yr)

DEC ID

Section IV - Emission Unit Information

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements ☐ Continuation Sheet(s)									
				Title	Type	Part	Subpart	Section	Subdivision	Parag.	Subparag.	Clause	Subclause
U-00001		*SEE ****		40	CFR	63	VVVVVV	11495	a				*SEE ****
U-00001		P1A		40	CFR	63	VVVVVV	11496	f				*SEE ****
U-00001	*SEE ****	P1A		40	CFR	63	VVVVVV	11496	f				*SEE ****
U-00001		P1A		40	CFR	63	VVVVVV	11496	f	1			*SEE ****
U-00001	*SEE ****	P1A		40	CFR	63	VVVVVV	11496	f	5			*SEE ****
U-00001		P1A		40	CFR	63	VVVVVV	11501	c				*SEE ****
U-00001	*SEE ****			6	NYCRR	212	1	6	a				*SEE ****
U-00001	*SEE ****			6	NYCRR	212	2	4	b				*SEE ****
U-00001	*SEE ****			6	NYCRR	212	2	4	b				*SEE ****

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements ☐ Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Subcllause
U-00001				6	NYCRR	201	5						*(EU, Process, & EP Definition)*
U-00001				6	NYCRR	212	2	1					*SEE ****
U-00001	*SEE ****	*SEE ****		6	NYCRR	212	2	1	a				*SEE ****
U-00001	*SEE ****	*SEE ****		6	NYCRR	212	2	1	b				*SEE ****
U-00001	EP011	P04		6	NYCRR	212	2	1	b				*SEE ****
U-00001	*SEE ****	*SEE ****		6	NYCRR	212	2	1	b				*SEE ****
U-00001	EP018	P06		6	NYCRR	212	2	1	b				*SEE ****
U-00001	EP018	P06		6	NYCRR	212	2	1	b				*SEE ****
U-00001	EP019	P07		6	NYCRR	212	2	1	b				*SEE ****

**** An Emission Unit-level Compliance Certification Form is provided for these applicable requirements.*

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	VVVVVV	11495	a				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001		***SEE BELOW***			

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☒ Record Keeping/Maintenance Procedures

Compliance Activity Description

APPLICABILITY:
Emission Unit: U-00001 / Process: P1A
Emission Unit: U-00001 / Process: P1B

Management Practices

For each Chemical Manufacturing Process Unit (CPMU) that is in metal HAP service, the permittee must comply with the following requirements of 40 CFR 63.11495(a):

(1) Each process vessel must be equipped with a cover or lid that must be closed at all times when it is in **organic HAP service or metal HAP service**, except for manual operations that require access, such as material addition and removal, inspection, sampling and cleaning. This requirement does not apply to process vessels containing only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form).

(3) The permittee must conduct inspections of process vessels and equipment for each CMPU in metal HAP service, as specified in (i) through (v) below, to demonstrate compliance with paragraph (1) above and to determine that the process vessels and equipment are sound and free of leaks.
- (i) Inspections must be conducted at least quarterly.
- (ii) For these inspections, detection methods incorporating sight, sound, or smell are acceptable. Indications of a leak identified using such methods constitute a leak unless the permittee demonstrates that the indications of a leak are due to a condition other than loss of HAP. If indications of a leak are determined not to be HAP in one quarterly monitoring period, the permittee must still perform the inspection and demonstration in the next quarterly monitoring period.
- (iii) As an alternative to conducting inspections, as specified in paragraph (a)(3)(ii) of this section, you may use Method 21 of 40 CFR part 60, appendix A-7, with a leak definition of 500 ppmv to detect leaks. You may also use Method 21 with a leak definition of 500 ppmv to determine if indications of a leak identified during an inspection conducted in accordance with paragraph (a)(3)(ii) of this section are due to a condition other than loss of HAP. The procedures in this paragraph (a)(3)(iii) may not be used as an alternative to the inspection required by paragraph (a)(3)(ii) of this section for process vessels that contain metal HAP as particulate.
- (iv) Inspections must be conducted while the subject CMPU is operating.
- (v) No inspection is required in a calendar quarter during which the subject CMPU does not operate for the entire calendar quarter and is not in organic HAP service or metal HAP service. If the CMPU operates at all during a calendar quarter, an inspection is required.

(4) The permittee must repair any leak within 15 calendar days after detection of the leak, or document the reason for any delay of repair. For the purposes of this paragraph, a leak will be considered "repaired" if any of the following conditions are met:
- (i) The visual, audible, olfactory, or other indications of a leak to the atmosphere have been eliminated, or
- (ii) No bubbles are observed at potential leak sites during a leak check using soap solution, or
- (iii) The system will hold a test pressure.

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(5) The permittee must keep records of the dates and results of each inspection event, the dates of equipment repairs, and, if applicable, the reasons for any delay in repair.

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST OF REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification										
Rule Citation										
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause	
40	CFR	63	VVVVVV	11496	f					
☒ Applicable Federal Requirement			☐ State Only Requirement			☐ Capping				

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	***SEE BELOW***	P1A		---	TOTAL METAL HAP

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

The facility shall reduce the collective uncontrolled emissions of total metal HAP from emission sources in Process P01 by a minimum of 95 percent by weight by routing emissions from a sufficient number of the metal process vents through a closed vent system to any combination of control devices.

The emission sources identified in Process P1A shall be controlled using the following control devices. Process operating requirements for each of these control devices are defined under separate permit conditions.

Emission Unit U-00001 / Process: P1A / Emission Point: EP002 / Control Device CWS02
Emission Unit U-00001 / Process: P1A / Emission Point: EP003 / Control Device CWS03

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST OF REGULATORY AGENCY

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Section IV - Emission Unit Information

Emission Unit Compliance Certification									
Rule Citation									
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	VVVVVV	11496	f				
☒ Applicable Federal Requirement			☐ State Only Requirement			☐ Capping			

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	***SEE BELOW***	P1A			TOTAL METAL HAP

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

In order to reduce emissions of total metal HAP from emission sources in Process P1A, the emission sources associated with Emission Points EP002 and EP003 shall be controlled by the following wet scrubbers. To ensure that each control device is operating properly, the liquid flow rate to the scrubbers listed below shall be continuously monitored and maintained at or above **<<LOWER VALUE>>** gallons per minute, while the process is in operation. Liquid flow rate readings shall be recorded at a minimum of once every five minutes.

Emission Unit U-00001 / Process: P1A / Emission Point: EP002 / Control Device CWS02
Emission Unit U-00001 / Process: P1A / Emission Point: EP003 / Control Device CWS03

The control devices identified above shall be maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of scrubber liquid flow rate readings and scrubber maintenance shall be maintained onsite and made available to the Department upon request.

Work Practice Type Code	Process Material Code	Process Material Description	Reference Test Method

Monitored Parameter Code	Monitored Parameter Description	Manufacturer's Name/Model Number
08	VOLUMETRIC FLOW RATE	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
	TBD	115	GALLONS PER MINUTE

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
61	MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION	01	CONTINUOUS	10	UPON REQUEST OF REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	VVVVVV	11496	f	1			

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001		P1A			

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

Emissions from Metal HAP Process Vents.

The facility must determine the sum of metal HAP emissions from all metal HAP process vents within a CMPU subject to 40 CFR 63 Subpart VVVVVV. These requirements do not apply to metal HAP process vents from a CMPU that contains only metal HAP that are in a liquid solution or other form that will not result in particulate emissions of metal HAP (e.g., metal HAP that is in ingot, paste, slurry, or moist pellet form or other form). To determine the mass emission rate the facility may use process knowledge, engineering assessment, or test data. The facility shall keep records of the emissions calculations.

The facility is not required to determine the annual emissions, as the facility will control the metal HAP process vents within a CMPU to meet the requirements of Table 4 of 40 CFR 63 Subpart VVVVVV.

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST OF REGULATORY AGENCY

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Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	VVVVVV	11496	f	5			

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001		P1A			

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☒ Record Keeping/Maintenance Procedures

Compliance Activity Description

For the following wet scrubbers that will be used to comply with the HAP metals emissions control requirements of Table 4 of 40 CFR 63 Subpart VVVVVV, the facility must comply with the initial compliance and monitoring requirements listed below.

Emission Unit U-00001 / Process: P1A / Emission Point: EP002 / Control Device CWS02
Emission Unit U-00001 / Process: P1A / Emission Point: EP003 / Control Device CWS03

(i) The facility must prepare a monitoring plan containing the information in (A) through (E) below. The plan must be maintained on-site and be available on request. The facility must operate and maintain the control device according to a site-specific monitoring plan at all times.
  (A) A description of the device;
  (B) Results of a performance test or engineering assessment conducted in accordance with paragraph (ii) below verifying the performance of the device for reducing HAP metals or particulate matter (PM) to the levels required by this subpart;
  (C) Operation and maintenance plan for the control device (including a preventative maintenance schedule consistent with the manufacturer's instructions for routine and long-term maintenance) and continuous monitoring system (CMS).
  (D) A list of operating parameters that will be monitored to maintain continuous compliance with the applicable emissions limits; and
  (E) Operating parameter limits based on either monitoring data collected during the performance test or established in the engineering assessment.

(ii) The facility must conduct a performance test or an engineering assessment for each CMPU subject to a HAP metals emissions limit in Table 4 of 40 CFR 63 Subpart VVVVVV and report the results in the Notification of Compliance Status (NOCS). Each performance test or engineering assessment must be conducted under representative operating conditions, and sampling for each performance test must be conducted at both the inlet and outlet of the control device. Upon request, the facility shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(iii) If the facility elects to conduct a performance test, it must be conducted according to requirements in §63.11410(j)(1). As an alternative to conducting a performance test using Method 5 or 5D to determine the concentration of PM, the facility may use Method 29 in 40 CFR part 60, appendix A-8 to determine the concentration of HAP metals. Initial compliance is demonstrated if the overall reduction of either HAP metals or total PM is equal to or greater than 95 percent.

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	

DEC ID											

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST OF REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	63	VVVVVV	11501	c				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001		P1A			

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☒ Record Keeping/Maintenance Procedures

Compliance Activity Description

Recordkeeping. The permittee must maintain files of all information required by this subpart for at least 5 years following the date of each occurrence according to the requirements in §63.10(b)(1). If the permittee is subject, the permittee must comply with the recordkeeping and reporting requirements of §63.10(b)(2)(iii) and (vi) through (xiv), and the applicable requirements specified below.

(1) For each CMPU subject to this subpart, the permittee must keep the records specified in paragraphs (i) through (viii) below.
(i) Records of management practice inspections, repairs, and reasons for any delay of repair, as specified in §63.11495(a)(5).

(v) Records of metal HAP emission calculations as specified in §63.11496(f)(1) and (2). If total uncontrolled metal HAP process vent emissions from a CMPU subject to this subpart are estimated to be less than 400 lb/yr, also keep records of either the number of batches per month or operating hours, as specified in §63.11496(f)(2).

(vii) Records of the date, time, and duration of each malfunction of operation of process equipment, control devices, recovery devices, or continuous monitoring systems used to comply with this subpart that causes a failure to meet a standard. The record must include a list of the affected sources or equipment, an estimate of the volume of each regulated pollutant emitted over the standard, and a description of the method used to estimate the emissions.
(viii) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11495(d), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(3) For metal HAP process vents subject to Table 4 to this subpart, the permittee must keep records specified in paragraphs (3)(i) or (ii) of this section, as applicable.
(i) For a new source using a control device other than a baghouse, maintain a monitoring plan, as specified in §63.11496(f)(3)(i), and keep records of monitoring results, as specified in §63.11496(f)(3).

(ii) For a new source using a baghouse to control metal HAP emissions, keep a site-specific monitoring plan, as specified in §§63.11496(f)(4) and 63.11410(g), and keep records of bag leak detection systems, as specified in §§63.11496(f)(4) and 63.11410(g)(4).

Work Practice Type Code	Process Material Code	Process Material Description	Reference Test Method

Monitored Parameter Code	Monitored Parameter Description	Manufacturer's Name/Model Number

Limit	Limit Units

DEC ID

Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST OF REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	212	1	6	a				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
SEE BELOW					

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

APPLICABILITY:

Emission Unit: U-00001 / Emission Point: EP001
Emission Unit: U-00001 / Emission Point: EP002
Emission Unit: U-00001 / Emission Point: EP003
Emission Unit: U-00001 / Emission Point: EP004
Emission Unit: U-00001 / Emission Point: EP005
Emission Unit: U-00001 / Emission Point: EP006
Emission Unit: U-00001 / Emission Point: EP007
Emission Unit: U-00001 / Emission Point: EP008
Emission Unit: U-00001 / Emission Point: EP009
Emission Unit: U-00001 / Emission Point: EP010
Emission Unit: U-00001 / Emission Point: EP018
Emission Unit: U-00001 / Emission Point: EP020
Emission Unit: U-00001 / Emission Point: EP021

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

COMMENTS: *The emission points listed above have the potential to emit particulates. Therefore, the emission points are subject to the Part 212 opacity standard.*

Work Practice	Process Material	Reference Test Method

DEC ID

Type Code	Code	Description	

Monitored Parameter		
Code	Description	Manufacturer's Name/Model Number
01	OPACITY	

Limit		Limit Units	
Upper	Lower	Code	Description
20		136	PERCENT

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
19	6-MINUTE AVERAGE (METHOD 22)	08	SEMI-ANNUALLY	10	UPON REQUEST OF REGULATORY AGENCY

DEC ID										

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	212	2	1					

☐ Applicable Federal Requirement ☒ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

In order to comply with the revised version of 6 NYCRR Part 212, the facility shall submit a "6 NYCRR Part 212 Applicability Assessment and Air Quality Modeling Report" to the NYSDEC. This modeling evaluation shall be conducted using the USEPA AERSCREEN air dispersion modeling software.

In lieu of AERSCREEN air dispersion modeling software, the facility may submit a "6 NYCRR Part 212 Applicability Assessment and Air Quality Modeling Protocol" for review and approval by the NYSDEC. The protocol shall reflect the use of USEPA AERMOD air dispersion modeling software. The protocol shall include a list of the facility's process emission sources, air contaminants, maximum hourly and maximum annual emission rates, as well as an assessment regarding the emissions that are subject to air dispersion modeling.

Within 90 days of NYSDEC approval of the modeling protocol, the facility shall submit a report that provides the results of the air dispersion modeling and the Part 212 compliance methodology. This report shall include a discussion regarding the compliance approach that will be utilized to ensure that the facility will meet the degree of air cleaning specified in Tables 3 and/or Table 4 of Part 212. If the facility cannot demonstrate that all emission control requirements of Part 212 are being met, the report shall include a timeline for submission of a plan as to how it will comply with the Part 212 requirements. This plan may include (but is not limited to) the submission of a Toxic Best Available Control Technology (T-BACT) evaluation for non-criteria air contaminants and/or a BACT evaluation for non-criteria air contaminants.

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST OF REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification									
Rule Citation									
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	212	2	1	a				
☐ Applicable Federal Requirement			☒ State Only Requirement			☐ Capping			

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	***SEE BELOW***	***SEE BELOW***		---	Nickel Compounds

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

CONTAMINANTS:
CAS NO. ----- Nickel Compounds

In order to demonstrate compliance with the 6 NYCRR Part 212 Table 4 emission control requirements for the High Toxicity Air Contaminants (HTACs) listed above, the emission sources associated with the following emission points shall be controlled by the following wet scrubbers. To ensure that each control device is operating properly, the liquid flow rate to the scrubber listed below shall be continuously monitored and maintained at or above **<<LOWER VALUE>>** gallons per minute, while the process is in operation. Liquid flow rate readings shall be recorded at a minimum of once every five minutes.

Emission Unit U-00001 / Process: P1A / Emission Point: EP002 / Control Device CWS02
Emission Unit U-00001 / Process: P1A / Emission Point: EP003 / Control Device CWS03

The control devices identified above shall be maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of scrubber liquid flow rate readings and scrubber maintenance shall be maintained onsite and made available to the Department upon request.

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	
08	VOLUMETRIC FLOW RATE	

Limit		Limit Units	
Upper	Lower	Code	Description
	TBD	115	GALLONS PER MINUTE

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
61	MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION	01	CONTINUOUS	10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification									
Rule Citation									
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	212	2	1	b				
☐ Applicable Federal Requirement			☒ State Only Requirement			☐ Capping			

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	***SEE BELOW***	***SEE BELOW***		---	Cobalt Compounds

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

CONTAMINANTS:
CAS NO. ----- Cobalt Compounds

In order to demonstrate compliance with the 6 NYCRR Part 212 Table 4 emission control requirements for the air contaminants (non-HTACs) listed above, the emission sources associated with the following emission points shall be controlled by the following wet scrubbers. To ensure that each control device is operating properly, the liquid flow rate to the scrubber listed below shall be continuously monitored and maintained at or above **<<LOWER VALUE>>** gallons per minute, while the process is in operation. Liquid flow rate readings shall be recorded at a minimum of once every five minutes.

Emission Unit U-00001 / Process: P1A / Emission Point: EP003 / Control Device CWS03
Emission Unit U-00001 / Process: P02 / Emission Point: EP001 / Control Device CWS01

The control devices identified above shall be maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of scrubber liquid flow rate readings and scrubber maintenance shall be maintained onsite and made available to the Department upon request.

Work Practice Type Code	Process Material Code	Process Material Description	Reference Test Method

Monitored Parameter Code	Monitored Parameter Description	Manufacturer's Name/Model Number
08	VOLUMETRIC FLOW RATE	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
	TBD	115	GALLONS PER MINUTE

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
61	MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION	01	CONTINUOUS	10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification										
Rule Citation										
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause	
6	NYCRR	212	2	1	b					
☒ Applicable Federal Requirement			☐ State Only Requirement			☐ Capping				
Emission Unit	Emission Point	Process	Emission Source	CAS No.		Contaminant Name				
U-00001	***SEE BELOW***			--- ---		COBALT COMPOUNDS NICKEL COMPOUNDS				

Monitoring Information

☐ Continuous Emission Monitoring	☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Intermittent Emission Testing	☐ Work Practice Involving Specific Operations
☐ Ambient Air Monitoring	☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

In order to demonstrate compliance with the 6 NYCRR Part 212 Table 4 emission control requirements for the air contaminants (non-HTACs) listed above, the emission sources associated with the following emission points shall be controlled by the following dust collectors. To ensure that each control device is operating properly, the pressure drop across the dust collectors listed below shall be continuously monitored and maintained between **<<LOWER VALUE>>** and **<<UPPER VALUE>>** inches of water. Pressure drop readings shall be recorded at a minimum of once every five minutes. The <<filter cartridges>><<filter bags>> shall be automatically cleaned via pneumatic pulse solenoid valves in order to maintain the proper operating pressure drop.

Emission Unit: U-00001 / Emission Point: EP020 / Control Device CDC08
Emission Unit: U-00001 / Emission Point: EP021 / Control Device CDC09

Each control device shall be equipped and operated with low pressure and high pressure alarms. Alarms shall be <<audible>><<displayed in process control room>>. If an alarm is received, a visual inspection shall be made to determine the cause of the alarm. Visual inspections shall be conducted as soon as practical, but no later than one (1) hour the alarm is received. If a leak is detected by visual inspection, the associated source(s) will be shut down and necessary repairs shall be made before resuming the process operation.

The control devices identified above shall be maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of pressure drop readings, inspections, filter replacements, alarms and corrective actions>> shall be maintained onsite and made available to the Department upon request.

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description
TBD	**TBD**	184	INCHES OF WATER

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification										
Rule Citation										
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause	
6	NYCRR	212	2	1	b					
☐ Applicable Federal Requirement			☒ State Only Requirement			☐ Capping				
Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name					
U-00001	EP011	P04			***SEE BELOW***					

Monitoring Information

☐ Continuous Emission Monitoring	☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Intermittent Emission Testing	☐ Work Practice Involving Specific Operations
☐ Ambient Air Monitoring	☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

CONTAMINANTS:
CAS NO. 7664-38-2 PHOSPHORIC ACID
CAS NO. 7664-39-3 HYDROFLUORIC ACID
CAS NO. 7664-93-9 SULFURIC ACID

In order to demonstrate compliance with the 6 NYCRR Part 212 Table 4 emission control requirements for the air contaminants (non-HTACs) listed above, the emission sources associated with Emission Point EP011 shall be controlled by the following wet scrubber. To ensure that each control device is operating properly, the liquid flow rate to the scrubber listed below shall be continuously monitored and maintained at or above **<<LOWER VALUE>>** gallons per minute, while the process is in operation. Liquid flow rate readings shall be recorded at a minimum of once every five minutes.

Emission Unit U-00001 / Process: P04 / Emission Point: EP011 / Control Device CWS04

The control devices identified above shall be maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of scrubber liquid flow rate readings and scrubber maintenance shall be maintained onsite and made available to the Department upon request.

Work Practice Type Code	Process Material Code	Process Material Description	Reference Test Method

Monitored Parameter Code	Monitored Parameter Description	Manufacturer's Name/Model Number
08	VOLUMETRIC FLOW RATE	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
	TBD	115	GALLONS PER MINUTE

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
61	MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION	01	CONTINUOUS	10	UPON REQUEST BY REGULATORY AGENCY

DEC ID										

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	212	2	1	b				

☐ Applicable Federal Requirement ☒ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	***SEE BELOW***			7664-93-9	SULFURIC ACID

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

CONTAMINANTS:
CAS NO. 7664-93-9 SULFURIC ACID

The facility owner or operator shall not allow emissions of the air contaminant identified above to exceed the maximum hourly emission rate specified in Table 4 of 6 NYCRR Part 212 for the environmental rating assigned to the contaminant by the Department.

Emission Unit: U-00001 / Process P05 / Emission Point: EP012
Emission Unit: U-00001 / Process P05 / Emission Point: EP013
Emission Unit: U-00001 / Process P05 / Emission Point: EP014
Emission Unit: U-00001 / Process P05 / Emission Point: EP015
Emission Unit: U-00001 / Process P05 / Emission Point: EP016
Emission Unit: U-00001 / Process P05 / Emission Point: EP017

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	

Limit		Limit Units	
Upper	Lower	Code	Description

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
				10	UPON REQUEST OF REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	212	2	1	b				

☐ Applicable Federal Requirement ☒ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP018	P06		7783-06-4	HYDROGEN SULFIDE

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

CONTAMINANTS:
CAS NO. 7783-06-4 HYDROGEN SULFIDE

In order to demonstrate compliance with the 6 NYCRR Part 212 Table 4 emission control requirements for the air contaminants (non-HTACs) listed above, the emission sources associated with Emission Point EP023 shall be controlled by the following wet scrubbers. To ensure that each control device is operating properly, the liquid flow rate to the scrubber listed below shall be continuously monitored and maintained at or above **<<LOWER VALUE>>** gallons per minute, while the process is in operation. Liquid flow rate readings shall be recorded at a minimum of once every five minutes.

Emission Unit: U-00001 / Process: P06 / Emission Point: EP018 / Control Device CCS01

The control devices identified above shall be maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of scrubber liquid flow rate readings and scrubber maintenance shall be maintained onsite and made available to the Department upon request.

Work Practice Type Code	Process Material Code	Process Material Description	Reference Test Method

Monitored Parameter Code	Monitored Parameter Description	Manufacturer's Name/Model Number
08	VOLUMETRIC FLOW RATE	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
	TBD	115	GALLONS PER MINUTE

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
61	MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION	01	CONTINUOUS	10	UPON REQUEST BY REGULATORY AGENCY

DEC ID										

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	212	2	1	b				

☐ Applicable Federal Requirement ☒ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP018	P06		7783-06-4	HYDROGEN SULFIDE

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

CONTAMINANTS:
CAS NO. 7783-06-4 HYDROGEN SUFIDE

In order to demonstrate compliance with the 6 NYCRR Part 212 Table 4 emission control requirements for the air contaminants (non-HTACs) listed above, the emission sources associated with Emission Point EP018 shall be controlled by the following wet scrubbers. To ensure that each control device is operating properly, the pH of the liquid to the scrubber listed below shall be continuously monitored and maintained above 10.0 pH units, while the process is in operation. pH readings shall be recorded at a minimum of once every five minutes.

Emission Unit: U-00001 / Process: P06 / Emission Point: EP018 / Control Device CCS01

The pH probe(s) shall be calibrated and maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of scrubber liquid pH readings and pH probe calibration/maintenance shall be maintained onsite and made available to the Department upon request.

Work Practice Type Code	Process Material Code	Process Material Description	Reference Test Method

Monitored Parameter Code	Monitored Parameter Description	Manufacturer's Name/Model Number
21	ACIDITY/ALKALINITY	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
	10.0	314	pH UNITS

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
25	RANGE – NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME	01	CONTINUOUS	10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	212	2	1	b				

☐ Applicable Federal Requirement ☒ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP019	P07			***SEE BELOW***

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

CONTAMINANTS:

CAS NO. 126-73-8 TRIBUTYL PHOSPHATE
CAS NO. 298-07-7 DI(2-ETHYLHEXYL) PHOSPHORIC ACID
CAS NO. 26896-20-8 NEO-DECANOIC ACID
CAS NO. 64742-47-8 DISTILLATES HYDROTREATED LIGHT
CAS NO. 83411-71-6 BIS(2,4,4-TRIMETHYLPENTYL) PHOSPHINIC ACID

In order to demonstrate compliance with the 6 NYCRR Part 212 Table 4 emission control requirements for the air contaminants (non-HTACs) listed above, the emission sources associated with Emission Point EP019 shall be controlled by an activated carbon unit. To ensure that each control device is operating properly, the outlet of the activated carbon unit listed below shall be continuously monitored for breakthrough of total hydrocarbons (THC). The activated carbon unit shall be immediately replaced when the THC concentration reaches 20 ppm. THC readings shall be recorded at a minimum of once every fifteen minutes.

Emission Unit: U-00001 / Emission Point: EP019 / Control Device CAC01

The THC monitoring device shall be calibrated and maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of THC readings and calibration/maintenance of the THC monitoring device shall be maintained onsite and made available to the Department upon request.

The THC breakthrough limit of 20 ppm may be subsequently adjusted based upon review and approval by the Department, To modify the limit, Li-Cycle shall submit a letter requesting a change in the breakthrough,limit, as well as the proposed alternate limit. The letter shall include a summary of the actual operating data, and/or other basis for the request.

Work Practice Type Code	Process Material Code	Process Material Description	Reference Test Method

Monitored Parameter Code	Monitored Parameter Description	Manufacturer's Name/Model Number
23	CONCENTRATION	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
TBD		273	PARTS PER MILLION (BY VOLUME)

Averaging Method	Monitoring Frequency	Reporting Requirements

DEC ID											

Code	Description	Code	Description	Code	Description
60	MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION	01	CONTINUOUS	10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification										
Rule Citation										
Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause	
6	NYCRR	212	2	4	b					
☒ Applicable Federal Requirement ☐ State Only Requirement						☐ Capping				
Emission Unit	Emission Point	Process	Emission Source	CAS No.		Contaminant Name				
U-00001	*SEE BELOW*			NY075-00-0		PARTICULATES				

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

In order to demonstrate compliance with the particulate standard of 0.050 grains/dscf, the pressure drop across the dust collectors listed below shall be continuously monitored and maintained between <<LOWER VALUE>> and <<UPPER VALUE>> inches of water. Pressure drop readings shall be recorded at a minimum of once every five minutes. The <<filter cartridges>><<filter bags>> shall be automatically cleaned via pneumatic pulse solenoid valves in order to maintain the proper operating pressure drop.

Emission Unit: U-00001 / Emission Point: EP004 / Control Device CDC01
Emission Unit: U-00001 / Emission Point: EP005 / Control Device CDC02
Emission Unit: U-00001 / Emission Point: EP006 / Control Device CDC03
Emission Unit: U-00001 / Emission Point: EP007 / Control Device CDC04
Emission Unit: U-00001 / Emission Point: EP008 / Control Device CDC05
Emission Unit: U-00001 / Emission Point: EP009 / Control Device CDC06
Emission Unit: U-00001 / Emission Point: EP010 / Control Device CDC07
Emission Unit: U-00001 / Emission Point: EP020 / Control Device CDC08
Emission Unit: U-00001 / Emission Point: EP021 / Control Device CDC09

Each control device shall be equipped and operated with low pressure and high pressure alarms. Alarms shall be <<audible>><<displayed in process control room>>. If an alarm is received, a visual inspection shall be made to determine the cause of the alarm. Visual inspections shall be conducted as soon as practical, but no later than one (1) hour the alarm is received. If a leak is detected by visual inspection, the associated source(s) will be shut down and necessary repairs shall be made before resuming the process operation.

The control devices identified above shall be maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of pressure drop readings, inspections, filter replacements, alarms and corrective actions>> shall be maintained onsite and made available to the Department upon request.

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	

DEC ID											

Limit		Limit Units	
Upper	Lower	Code	Description
TBD	**TBD**	184	INCHES OF WATER

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
25	RANGE – NOT TO FALL OUTSIDE STATED RANGE AT ANY TIME	01	CONTINUOUS	10	UPON REQUEST OF REGULATORY AGENCY

DEC ID

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	212	2	4	b				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	***SEE BELOW***			NY075-00-0	PARTICULATES

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☒ Monitoring of Process or Control Device Parameters as Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Compliance Activity Description

In order to demonstrate compliance with the particulate standard of 0.050 grains/dscf, the liquid flow rate to the scrubbers listed below shall be continuously monitored and maintained at or above **<<LOWER VALUE>>** gallons per minute, while the process is in operation. Liquid flow rate readings shall be recorded at a minimum of once every five minutes.

Emission Unit: U-00001 / Emission Point: EP001 / Control Device CWS01
Emission Unit: U-00001 / Emission Point: EP002 / Control Device CWS02
Emission Unit: U-00001 / Emission Point: EP003 / Control Device CWS03
Emission Unit: U-00001 / Emission Point: EP018 / Control Device CCS01

The control devices identified above shall be maintained according to the manufacturer's recommendations and/or established operating procedures.

Records of scrubber liquid flow rate readings and scrubber maintenance shall be maintained onsite and made available to the Department upon request.

Work Practice Type Code	Process Material Code	Process Material Description	Reference Test Method

Monitored Parameter Code	Monitored Parameter Description	Manufacturer's Name/Model Number

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
	TBD	115	GALLONS PER MINUTE

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
61	MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION	01	CONTINUOUS	10	UPON REQUEST BY REGULATORY AGENCY

DEC ID

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Determination of Non-Applicability (Title V Applications Only) ☐ **Continuation Sheet(s)**

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause

Emission Unit	Emission Point	Process	Emission Source	
-				☐ Applicable Federal Requirement ☐ State Only Requirement

Non-Applicability Description

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause

Emission Unit	Emission Point	Process	Emission Source	
-				☐ Applicable Federal Requirement ☐ State Only Requirement

Non-Applicability Description

Compliance Plan ☐ **Continuation Sheet(s)**

For any emission units which are not in compliance at the time of permit application, the applicant shall complete the following:

Consent Order		Certified progress reports are to be submitted every six months beginning	/ /

Emission Unit	Process	Emission Source	Applicable Federal Requirement									
			Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Clause	Subcl.

Remedial Measures and Intermediate Milestones	R/I	Date Scheduled

DEC ID

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Request for Emission Reduction Credits	☐ Continuation Sheet(s)
EMISSION UNIT	

Emission Reduction Description

Contaminant Emission Reduction Data

Baseline Period __/____/_____ to __/____/_____.

		Reduction	
		Date	Method

CAS Number	Contaminant Name	ERC (lbs/yr)	
		Netting	Offset

Facility to Use Future Reduction

Name	Application ID - - /
Location Address	
☐ City / ☐ Town / ☐ Village Rochester	State NY Zip 14615

Use of Emission Reduction Credits	☐ Continuation Sheet(s)
Emission Source	

Proposed Project Description

Contaminant Emissions Increase Data

CAS Number.	Contaminant Name	Project Emission Potential (lbs/yr)
-		

Statement of Compliance

☐ All facilities under the ownership of this "owner/firm" are operating in compliance with all applicable requirements and state regulations including any compliance certification requirements under Section 114(a)(3) of the Clean Air Act Amendments of 1990, or are meeting the schedule of a consent order.

Source of Emission Reduction Credit - Facility

Name	Permit ID - - /
Location Address	
☐ City / ☐ Town / ☐ Village	State Zip

Emission Source	CAS Number	Contaminant Name	ERC (lbs/yr)	
			Netting	Offset

DEC ID											

Supporting Documentation and Attachments		
	Required Supporting Documentation	Date of Document
☐	List of Exempt Activities (attach form)	
☐	Plot Plan	
☐	Process Flow Diagram	
☐	Methods Used to Determine Compliance (attach form)	
☐	Emission Calculations	
	Optional Supporting Documentation	Date of Document
☐	Air Quality Model	
☐	Confidentiality Justification	
☐	Ambient Air Quality Monitoring Plan or Reports	
☐	Stack Test Protocol	
☐	Stack Test Report	
☐	Continuous Emission Monitoring Plan	
☐	Lowest Achievable Emission Rate (LAER) Demonstration	
☐	Best Available Control Technology (BACT) Demonstration	
☐	Reasonably Available Control Technology (RACT) Demonstration	
☐	Toxic Impact Assessment (TIA)	
☐	Environmental Rating Demonstration	
☐	Operational Flexibility Protocol / Description of Alternate Operating Scenarios	
☐	Title IV Permit Application	
☐	Emission Reduction Credit (ERC) Quantification (attach form)	
☐	Baseline Period Demonstration	
☐	Use of Emission Reduction Credits (attach form)	
☐	Analysis of Contemporaneous Emissions Increase / Decrease	
	Other Supporting Documentation	Date of Document
☒	Overview of Permit Application	
☒	Emission Unit Matrix	
☒	Full State Environmental Quality Review (SEQR) Form	
☐		
☐		
☐		
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☐		
☐		

Updated Summary of Air Emissions

Li-Cycle North America Hub, Inc.
50 & 205 McLaughlin Drive
Rochester, New York 14606

15 September 2021

Summary of Air Emissions
Li-Cycle North America Hub, Inc.
50 & 205 McLaughlin Drive
Rochester, New York 14606

	Potential to Emit for Regulated Pollutants (Tons/Yr)														*Potential to Emit for Speciated HAPs (Tons/Yr)*											*Potential to Emit for Non-Regulated Compounds (Tons/Yr)*							
Process ID	**NO_x**	**CO**	**SO_x**	**VOC**	**Lead**	**PM**	**PM_{10}**	**$PM_{2.5}$**	**CH_4**	**N_2O**	**CO_2**	**CO_2e***	**Worst-Case Individual HAP****	**Total HAPs**																		
P1A	0	0	0	0	0	0.17	0.17	0.17	0	0	0	0	0.165	0.165	0.021	0.145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P03	0	0	0	0	0	3.533	3.533	3.533	0	0	0.011	0.011	0.532	0.602	0.070	0.532	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.199	0.135	0	0	0	0	0	0
P05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.057	0	0	0	0	0	0
P06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.7	0	0	0	0	0
P07	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.4	0.99	1.2	0.71	0.27
Exempt - P1B, venting indoors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exempt - venting indoors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exempt - storage silos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exempt - CO2 emissions only	0	0	0	0	0	0	0	0	0	0	6813	6813	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exempt - indoor solids handlir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exempt - emergency generato	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Facility Total Tons per Year	**0**	**0**	**0**	**12**	**0**	**4**	**4**	**4**	**0**	**0**	**6813**	**6813**	**0.7**	**0.8**	**0.1**	**0.68**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.20**	**0.19**	**4.7**	**8.4**	**1.0**	**1.2**	**0.71**	**0.27**