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Transmitted via electronic mail & US Postal Service Delivery thomas.haley@dec.ny.gov

5 March 2021

Mr. Thomas Haley Regional Administrator, Division of Environmental Permits New York State Department of Environmental Conservation 6274 East Avon-Lima Road Avon, New York 14414

Reference: 0576809

Subject: Title IV Acid Rain Permit and Title V Air Operating Permit Renewal Application; Greenidge Generating Station; Dresden, New York; DEC ID No. 8-5736-00004

Dear Mr. Haley:

On behalf of Greenidge Generation LLC (Greenidge), ERM Consulting & Engineering, Inc. (ERM) is pleased to submit an electronic copy (in Portable Document Format, pdf) and two hardcopies of the combined Title IV and Title V Air Operating Permit Renewal Application package for the Greenidge Generating Station, located in Dresden, New York. This letter and enclosed attachments are being submitted consistent with 6 NYCRR 201-6.2(a)(4), which requires the submittal of a renewal application at least 180 days prior to the Title V Permit expiration date (6 September 2021). As you review the application package, you will find the following major sections:

- Section 1: An Emission Unit Matrix that succinctly summarizes the architecture of the application submittal and the processes/equipment/control devices employed at the Greenidge Station;
- Section 2: The Title IV and Title V Air Operating Permit Application forms that provide the
 detailed forms, applicable requirements, emission limits, and compliance demonstration
 methods that will be employed by the facility;
- Section 3: The List of Exempt Activities Forms that detail those sources at the Greenidge facility that are considered exempt from permitting in accordance with 6 NYCRR Part 201-3; and
- Section 4: Methods Used to Determine Compliance Form.

This renewal application is formatted to be consistent with the Division of Air Resources' Air Facility System (AFS) generated application format provided to Greenidge for use in developing this submittal. This application requests renewal of the existing permit, with only minor, non-material, revisions, which are limited to: removal of the diesel fire pump permit conditions, since the diesel fire pump has been taken out of service and removed from the Facility; and a request for minor revisions to the monitoring requirements for particulate emissions (PM-10, PM-2.5 and Particulates), which includes the use of a



flowmeter for the Facility to demonstrate continuous compliance with the existing PM-10, PM2.5 and Particulates permit conditions.

Climate Leadership and Community Protection Act (CLCPA)

In 2019, New York State passed the CLCPA, requiring the State to meet greenhouse gas emissions reductions from 1990 baseline emission levels of 40% in 2030 and 85% in 2050. While it has not yet promulgated regulations that apply to individual facilities, the New York State Department of Environmental Conservation (NYSDEC) set the statewide 1990 baseline, and the 2030 and 2050 statewide emissions levels, in its recently promulgated Part 496. Although these are statewide reduction requirements, Greenidge notes that in 1990 the facility operated on coal and had annual greenhouse gas emissions that were significantly more than they have been since the facility was converted in 2016-2017 to operate on natural gas (with up to 19% by weight biomass) and no longer operates on coal.

Greenidge understands that in the future, the NYSDEC will promulgate additional CLCPA regulations that may include requirements for individual greenhouse gas emission sources. Greenidge will comply with the applicable future CLCPA and greenhouse gas regulations promulgated by the NYSDEC.

We are available to meet with the NYSDEC staff, as needed, to review the application package and provide any additional information that the Division of Air Resources staff may require to develop the Working Copy of the Title V/IV Air Operating Permit.

We look forward to working with you and the Region 8 staff on the review of this application and the issuance of the subsequent combined Title IV/V Air Operating Permit.

Sincerely,

David T. Murtha, QEP Consultant Director

Spirid Months

cc: M. Wheeler, NYSDEC DAR Region 8

D. Irwin, Greenidge Generation, LLC

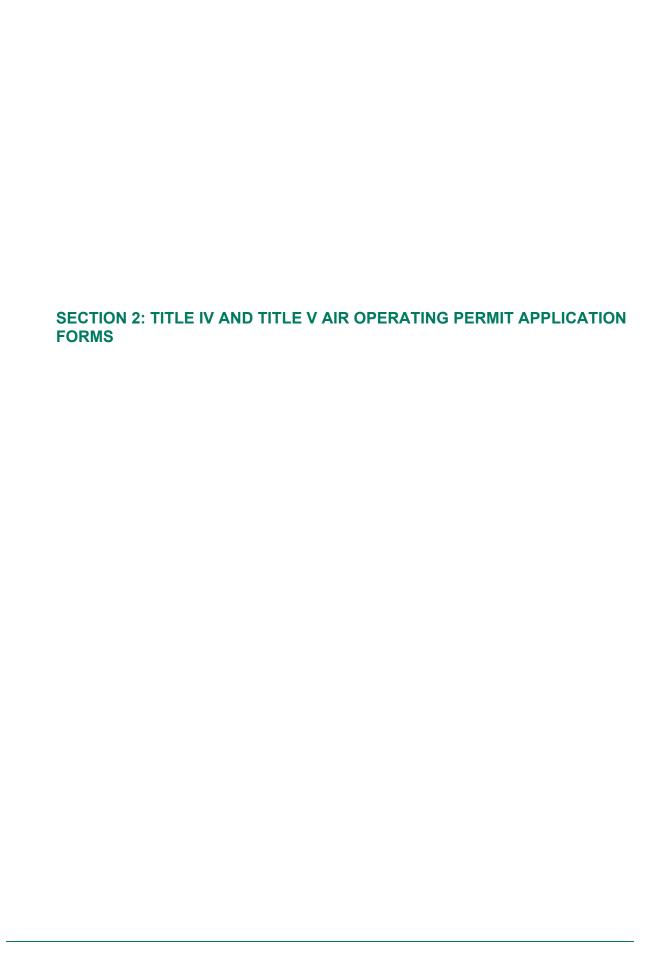
S. Gaston, Greenidge Generation, LLC

C. Ferry, ERM



Emission Unit Matrix for Greenidge Generating Station Dresden, NY

F		L		resgen, NY			I	Emission
Unit ID	Unit Description	Process ID	Process Description	Source ID	Source Description	Control ID	Control Description	Point ID
	Combustion Engineering boiler, rated at 1,117 MMBtu/hr maximum heat input, which is identified as boiler #6. The boiler predominantly fires up to 100% natural gas, but may also fire natural gas with clean unadulterated wood and/or kiln dried wood (including resinated wood) up to 19% on a heat rate basis. The boiler is equipped with advanced low NOx burners, closed-coupled and staged overfire air, SNCR, and SCR to control NOx emissions, and a baghouse to control particulate emissions.	P65	Combustion of 100% natural gas. Nitrogen oxides emissions are controlled through the use of a combination of advanced low NOx firing system(ALNFS), closed coupled overfire air and staged overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). The SNCR and SCR shall be operated at all times, except during startup and shutdown periods as specified elsewhere in this permit. Emissions of nitrogen oxides are measured by the continuous emissions monitoring system (CEMS) on emission point 00004.	B0006	Boiler #6	LNB06 NCR06 SCR06	Fuel Tech (SNCR) Selective Catalytic Reduction	
			Combustion of a mixture of natural gas, and biomass [unadulterated wood, including kiln-dried wood, and resinated wood (e.g. particle board)]. The quantity of biomass present in the mixture shall not exceed: 1) 19% on an hourly heat		Boiler #6	BAG06	Baghouse	
G-00004			rate basis; and 2) 15 % on an annual heat input basis. The combustion of resinated wood requires the issuance of a case-specific Beneficial Use			LNB06	Low NOX burners	
		P75	Determination under 6 NYCRR Part 360- 1.15. Nitrogen oxides emissions are controlled through the use of a combination of advanced low NOx firing system(ALNFS), closed-coupled overfire			NCR06	Fuel Tech (SNCR)	
			air and staged overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). The SNCR and SCR shall be operated at all times, except during startup and shutdown periods as specified			OFA06	Babcock Power Env. Inc. Overfire Air.	
			elisewhere in this permit. Particulate matter emissions are controlled by a baghouse when co-firing natural gas and biomass. Emissions of nitrogen oxides are measured by the continuous emissions monitoring system (CEMS) on emission point 00004.			SCR06	Selective Catalytic Reduction (SCR)	
	Miscellaneous process emission sources	BIO	Biomass handling, storage and processing	WPILE	wood storage pile			
G00005		MIS	General process emission sources associated with Biomass (wood) handling and processing	HMILL	Hammer Mill	BAG08	unspecificed bag house manufacturer	00005
G00008	Process operations associated with the aqueous urea system	P8U		TNK08	Urea storage tank			
GFABAH	This emission unit includes all process emission sources and emission points of the fly ash and bottom ash handling, storage, and disposal system.	FBA	Fly Ash and Bottom ash handling	VENT1	Ash Silo Vent	BAG10	Bag house	
0.7.27.11		1 2/1		VENT2 VENT3	Ash Silo Vent Ash Silo Vent	BIN01 BIN02	Bag house Bag house	00013 00012 00011
				VENT4	Ash Silo Vent	BIN03	Bag house	00011
			N. 11 C 10	VENT5	Ash Silo Vent	BIN04	Bag house	00009
	This emission unit includes all emission sources and activities at the facility that have the potential	FUG	Miscellaneous fugitive sources.	FUG01	Miscellaneous fugitive emissions			00017
	to generate fugitive particulate emissions		This emission unit includes the following exempt sources: Emergency Diesel Generator, Emergency Diesel Fire Pump, and the Natural Gas	DFP	Diesel fire pump Emergency Generator	DFP01	Diesel fire pump Diesel emergency generator	00022
GFUGTV		GXEMPT	Heater and their associated emission points. There are three two processes associated with this emission unit: Process EGN: Emergency Generator	EGN		EGN01		00021
			Process DFP: Diesel Fire Pump Process NGH: Natural Gas Heater	NGH	Natural gas heater	NGH01	Natural Gas Heater	00023





Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: ☐ new ☐ revised ☐ for ARP permit renewal

STEP 1

Identify the facility name, State, and plant (ORIS) code.

GREENIDGE GENERATION LLC	NEW YORK	2527
Facility (Source) Name	State	Plant Code

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
6	Yes
	Yes

GREENIDGE GENERATION LLC Facility (Source) Name (from STEP 1)

STEP 3 Permit Requirements

Read the standard requirements.

- (1) The designated representative of each affected source and each affected unit at the source shall:
 - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
 - Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the sourceshall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

GREENIDGE GENERATION LLC Facility (Source) Name (from STEP 1)

STEP 3, Cont'd. <u>Excess Emissions Requirements</u>

- (1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part77.
- (2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
 - Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
 - (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

GREENIDGE GENERATION LLC Facility (Source) Name (from STEP 1)

STEP 3, Cont'd. Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans:
- (2) Limiting the number of allowances a source can hold; provided, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4 <u>Certification</u>

Read the certification statement, sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. 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. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	Dale Irwin	
Signature	DALCARWAN	Date 3/5/2021



Instructions for the Acid Rain Program Permit Application

The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the Title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the Title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. If assistance is needed, contact the Title V permitting authority.

- **STEP 1** A Plant Code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, send an email to the EIA. The email address is EIA-860@eia.gov.
- STEP 2 In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the Title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a Title V permit, or such longer time as provided for under the Title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate Title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Clean Air Markets Hotline at (202) 343-9620.

Paperwork Burden Estimate

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2060-0258). Responses to this collection of information are mandatory (40 CFR 72.30 and 72.31). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to be 8 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.



Certificate of Representation

For more information, see instructions and 40 CFR 63 subpart UUUUU, 72.24, 96.113, 96.213, 96.313, 97.113, 97.213, 97.313, 97.416, 97.516, 97.616, 97.716, or a comparable state regulation, as applicable.

	This submission is: $oxed{oxed{oxed}}$ New $oxed{oxed}$ Revised (revised submissions must	be complete; s	see instructions)	
STEP 1 Provide information for the plant.	Plant Name GREENIDGE GENERATION LLC		NEW YORK State	2527 Plant Code	
	County Name YATES				
	Latitude 42.6789	Longitude -76.9483			
STEP 2 Enter requested information for	Name DALE IRWIN	Title			
the designated representative.	Company Name GREENIDGE GENERATION LLC	T			
	Mailing Address 590 PLANT ROAD	City DRESDEN	State 1	NY Zip Code 1	14441
	Phone Number (315) 536-3423	Fax Number			
	E-mail Address DIRWIN@GREENIDGELLC.COM				
STEP 3 Enter requested information for	Name	Title			
the alternate designated representative.	Company Name	T		1	
	Mailing Address	City	State	Zip Code	
	Phone Number	Fax Number			
	E-mail Address				

UNIT INFORMATION

STEP 4: Com turbine) Do no	plete a separate ot list duct burne	e page 2 for each unit located a rs. Indicate each program to wh	t the plant identified in Solich the unit is subject, and	TEP 1 (i.e., for each boiler, and enter all other unit-specifies	simple cycle c informatior	combustion turbine, or com	bined cycle combustion details.
Applicable Pi		Acid Rain 🛛 CAIF		CAIR SO ₂		one Season	
		Source Category ELECTRIC	UTILITY		Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MWe)	CAIR/ MATS/Transport Rule Nameplate Capacity (MWe)
					4	105.9	105.9
Unit ID# 6	Unit Type T	NAICS Code FOSSIL FUEL PO	OWER GENERATION				
	or will begin) serving	g any generator producing electricity		Is this unit located in Indian Country?	Has this unit	ever operated at another locat	ion?
generation) (minira	<i>a, y y y y)</i> .		Check One:	Check One:	Check One:		
03/28/20	17		Actual 🔲 Projected 🗖	Yes No 🛛	Yes D No 🛛		
Company Name:	GENERATION L	IC				Owner Operator	
Company Name:	CENTERVITORE					Owner	
GREENIDGE	GENERATION	LLC				Operator	
Company Name:						Owner Operator	
Company Name:						Owner Operator	
Company Name:						Owner Operator	
Company Name:						Owner Operator	

STEP 5: Read the appropriate certification statements that apply (if), sign, and date.

Acid Rain Program

I certify that I was selected as the designated representative or alternate designated representative (as applicable) by an agreement binding on the owners and operators of the affected source and each affected unit at the source (i.e., the source and each unit subject to the Acid Rain Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and each affected unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the affected source and each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, or where a utility or industrial customer purchases power from an affected unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the affected source and each affected unit at the source; and

Allowances, and proceeds of transactions involving allowances, will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of allowances, allowances and proceeds of transactions involving allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Interstate Rule (CAIR) NOx Annual Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source (i.e., the source and each unit subject to the CAIR NO_x Annual Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR NOX Annual Trading Program on behalf of the owners and operators of the CAIR NOx source and each CAIR NOx unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR NO_X source and each CAIR NO_X unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR NO_x unit, or where a utility or industrial customer purchases power from a CAIR NO_x unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR NO_X source and each CAIR NO_X unit at the source; and

CAIR NO $_{\rm X}$ allowances and proceeds of transactions involving CAIR NO $_{\rm X}$ allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR NO $_{\rm X}$ allowances by contract, CAIR NO $_{\rm X}$ allowances and proceeds of transactions involving CAIR NO $_{\rm X}$ allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Interstate Rule (CAIR) SO₂ Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source (i.e., the source and each unit subject to the SO₂ Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR SO₂ Trading Program, on behalf of the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR SO₂ unit, or where a utility or industrial customer purchases power from a CAIR SO₂ unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR SO₂ source and each CAIR SO₂ unit at the source; and

CAIR SO₂ allowances and proceeds of transactions involving CAIR SO₂ allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR SO₂ allowances by contract, CAIR SO₂ allowances and proceeds of transactions involving CAIR SO₂ allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Interstate Rule (CAIR) NOx Ozone Season Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source (i.e., the source and each unit subject to the CAIR NO_X Ozone Season Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR NO_X Ozone Season Trading Program on behalf of the owners and operators of the CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR NO_X Ozone Season unit, or where a utility or industrial customer purchases power from a CAIR NO_X Ozone Season unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit; and

CAIR NOX Ozone Season allowances and proceeds of transactions involving CAIR NOx Ozone Season allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR NOx Ozone Season allowances by contract, CAIR NOx Ozone Season allowances and proceeds of transactions involving CAIR NOx Ozone Season allowances will be deemed to be held or distributed in accordance with the contract.

Transport Rule NO_X Annual Trading Program

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the source and each TR NO_x Annual unit at the source.

I certify that I have all the necessary authority to carry out my duties and responsibilities under the TR NO_X Annual Trading Program on behalf of the owners and operators of the source and of each TR NO_X Annual unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any order issued to me by the Administrator regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a TR NO_X Annual unit, or where a utility or industrial customer purchases power from a TR NO_X Annual unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each TR NO_x Annual unit at the source.

TR NO_X Annual allowances and proceeds of transactions involving TR NO_X Annual allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of TR NO_X Annual allowances by contract, TR NO_X Annual allowances and proceeds of transactions involving TR NO_X Annual allowances will be deemed to be held or distributed in accordance with the contract.

Transport Rule NOx Ozone Season Trading Program

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the source and each TR NO_X Ozone Season unit at the source.

I certify that I have all the necessary authority to carry out my duties and responsibilities under the TR NO_X Ozone Season Trading Program on behalf of the owners and operators of the source and of each TR NO_X Ozone Season unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any order issued to me by the Administrator regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a TR NO $_X$ Ozone Season unit, or where a utility or industrial customer purchases power from a TR NO $_X$ Ozone Season unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each TR NO_x Ozone Season unit at the source.

TR NO $_{\rm X}$ Ozone Season allowances and proceeds of transactions involving TR NO $_{\rm X}$ Ozone Season allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of TR NO $_{\rm X}$ Ozone Season allowances by contract, TR NO $_{\rm X}$ Ozone Season allowances and proceeds of transactions involving TR NO $_{\rm X}$ Ozone Season allowances will be deemed to be held or distributed in accordance with the contract.

Transport Rule SO₂ Annual Group 1 Trading Program

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the source and each TR SO₂Group 1 unit at the source.

I certify that I have all the necessary authority to carry out my duties and responsibilities under the TR SO₂ Group 1 Trading Program on behalf of the owners and operators of the source and of each TR SO₂ Group 1 unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any order issued to me by the Administrator regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a TR SO₂ Group 1 unit, or where a utility or industrial customer purchases power from a TR SO₂ Group 1 unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each TR SO_2 Group 1 unit at the source.

TR SO₂ Group 1 allowances and proceeds of transactions involving TR SO₂ Group 1 allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of TR SO₂ Group 1 allowances by contract, TR SO₂ Group 1 allowances and proceeds of transactions involving TR SO₂ Group 1 allowances will be deemed to be held or distributed in accordance with the contract.

Transport Rule SO₂ Annual Group 2 Trading Program

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the source and each TR SO₂ Group 2 unit at the source.

I certify that I have all the necessary authority to carry out my duties and responsibilities under the TR SO_2 Group 2 Trading Program on behalf of the owners and operators of the source and of each TR SO_2 Group 2 unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any order issued to me by the Administrator regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a TR SO₂ Group 2 unit, or where a utility or industrial customer purchases power from a TR SO₂ Group 2 unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each $TR SO_2$ Group 2 unit at the source.

TR SO₂ Group 2 allowances and proceeds of transactions involving TR SO₂ Group 2 allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of TR SO₂ Group 2 allowances by contract, TR SO₂ Group 2 allowances and proceeds of transactions involving SO₂ Group 2 allowances will be deemed to be held or distributed in accordance with the contract.

General

I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. 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. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Signature (Designated Representative) - DALE IRWIN	Date 3/5/2021
Signature (Alternate Designated Representative)	Date



Instructions for the Certificate of Representation

NOTE: The Certificate of Representation information can be submitted <u>online</u> through the CAMD Business System (CBS), which can be accessed at https://camd.epa.gov/cbs/index.cfm. See the Certificate of Representation tutorial on the CBS homepage for assistance. If you have questions about CBS, send an email to cbs-support@camdsupport.com.

You must have a user name and password to access CBS. You can obtain a user name and password if: (1) you are currently listed in the CAMD database as a designated representative or an agent for a designated representative, **AND** (2) CAMD has received and processed a hard copy of the Electronic Subscriber Agreement form at http://www.epa.gov/airmarkets/business/docs/forms/subscriber_agreement.pdf.

Once a person meets the criteria above, he/she may contact one of the following persons to obtain a user name and password: Karen VanSickle at (202) 343-9220, Kirk Nabors at (202) 343-9171 or Paula Branch at (202) 343-9168.

Any reference in these instructions to the designated representative means the Acid Rain designated representative, the CAIR designated representative, and/or the Transport Rule designated representative, as applicable. Any reference to the alternate designated representative means the alternate Acid Rain designated representative, the alternate CAIR designated representative, and/or the alternate Transport Rule designated representative, as applicable. As reflected in this form, the Acid Rain designated representative, the CAIR designated representative, and the Transport Rule designated representative for a plant must be the same individual, and the alternate Transport Rule designated representative for a plant must be the same individual.

Please type or print. Submit a separate page 2 for each unit at the plant subject to the Acid Rain Program (ARP), a CAIR Trading Program (CAIR), the MATS program, or a Transport Rule Program (TR). Include units for which a Retired Unit Exemption notice has been submitted. Indicate the page order and total number of pages (e.g., 1 of 4, 2 of 4, etc.) in the boxes in the upper right hand corner of page 2. A Certificate of Representation amending an earlier submission supersedes the earlier submission in its entirety and must therefore always be complete. Submit one Certificate of Representation form with original signature(s). NO FIELDS SHOULD BE LEFT BLANK. For assistance, send an email to cbs-support@camdsupport.com.

STEP 1

- (i) A plant code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older plants, "plant code" is synonymous with "ORISPL" and "facility" codes. If the plant generates electricity but no plant code has been assigned, or if there is uncertainty regarding what the plant code is, send an email to the EIA at EIA-860@eia.gov. For plants that do not produce electricity, use the plant identifier assigned by EPA (beginning with "88"). If the plant does not produce electricity and has not been assigned a plant identifier, contact Laurel DeSantis at desantis.laurel@epa.gov.
- (ii) Enter the latitude and longitude representing the location of the plant in degree decimal format.

Note that coordinates MUST be submitted in decimal degree format; in this format minutes and seconds are represented as a decimal fraction of one degree. Therefore, coordinates containing degrees, minutes, and seconds must first be converted using the formula:

decimal degrees = degrees + (minutes / 60) + (seconds / 3600)

Example:

39 degrees, 15 minutes, 25 seconds = 39 + (15 / 60) + (25 / 3600) = 39.2569 degrees

STEPS 2 & 3

The designated representative and the alternate designated representative must be individuals (i.e., natural persons) and cannot be a company. Enter the company name and address of the representative as it should appear on all correspondence. If an email address is provided, most correspondence will be emailed. Although not required, EPA strongly encourages owners and operators to designate an alternate designated representative to act on behalf of the designated representative.

STEP 4

- (i) Complete one page for each unit subject to the ARP, CAIR, MATS, or TR, and indicate the program(s) that the unit is subject to. Identify each unit at the plant by providing the appropriate unit identification number, consistent with the identifiers used in previously submitted Certificates of Representation (if applicable) and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each submission to EPA that includes the unit identification number(s) (e.g., monitoring plans and quarterly reports) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation. Do not identify units that are not subject to the above-listed programs but are part of a common monitoring configuration with a unit that is subject to any of these programs. To identify units in a common monitoring configuration that are not subject to any of these programs, call the CAMD Hotline at (202) 343-9620, and leave a message under the "Continuous Emissions Monitoring" submenu.
- (ii) Identify the type of unit using one of the following abbreviations:

Boilers	<u>S</u>	Boilers		Turbines	i
AF	Arch-fired boiler	ОВ	Other boiler	СС	Combined cycle
BFB	Bubbling fluidized bed boiler	PFB	Pressurized fluidized bed boiler	СТ	Combustion turbine
С	Cyclone boiler	s	Stoker	IGC	Integrated Gasification
СВ	Cell burner boiler	т	Tangentially-fired boiler		Combined Cycle
CFB	Circulating fluidized bed			ОТ	Other turbine
	boiler	WBF	Wet bottom wall-fired boiler	<u>Others</u>	
DB	Dry bottom wall-fired boiler	WBT	Wet bottom turbo-fired boiler	ICE	Internal Combustion engine
DTF	Dry bottom turbo-fired boiler	WVF	Wet boiler vertically-	KLN	Cement kiln
DVF	Dry bottom vertically-fired boiler		fired boiler	PRH	Refinery process heater

If there is uncertainty about how a unit should be characterized, contact Robert Miller at miller.robertl@epa.gov or (202) 343-9077.

(iii) Indicate the source category description that most accurately describes the purpose for which the unit is operated by entering one of the following terms. If none of these descriptions applies to your unit, contact Robert Miller at miller.robertl@epa.gov or (202) 343-9077.

Automotive Stampings
Bulk Industrial Chemical
Cement Manufacturing
Cogeneration
Electric Utility

Industrial Boiler Industrial Turbine Institutional Iron and Steel Municipal Waste Combustor Petroleum Refinery Portland Cement Plant Pulp and Paper Mill Small Power Producer Theme Park

- (iv) Provide the primary North American Industrial Classification System (NAICS) code that most accurately describes the business type for which the unit is operated. If unknown, go to http://www.census.gov for guidance on how to determine the proper NAICS code for the unit.
- (v) Enter the date the unit began (or will begin) serving any generator producing electricity for sale, including test generation. Enter this date and check the "actual" box for any unit that has begun to serve a generator producing electricity for sale as of the date of submission of this form. (This information should be provided even if the unit does not currently serve a generator producing electricity for sale.) For any unit that will begin, but has not begun as of the date of submission of this form, to serve a generator producing electricity for sale, estimate the future date on which the unit will begin to produce electricity for sale and check the "projected" box. When the actual date is established, revise the form accordingly by entering the actual date and checking the "actual" box. Enter "NA" if the unit has not ever served, is not currently serving, and is not projected to serve, a generator that produces electricity for sale. You are strongly encouraged to use the CAMD Business System to update information regarding the date a unit begins serving a generator producing electricity for sale. See the Certificate of Representation tutorial on the CBS homepage for assistance.

If you have questions regarding this portion of the form, contact Robert Miller at miller.robertl@epa.gov or (202) 343-9077.

(vi) For a unit subject to the ARP, CAIR, MATS, or TR, that, as of the date of submission of this form, serves one or more generators (whether or not the generator produces electricity for sale), enter the generator ID number(s) and the nameplate capacity (in MWe) of each generator served by the unit. A unit serves a generator if it produces, or is able to produce, steam, gas, or other heated medium for generating electricity at that generator. For combined cycle units, report separately the nameplate capacities of the generators associated with the combustion turbine and the steam turbine. Please ensure that the generator ID numbers entered are consistent with those reported to the EIA.

The definitions of "nameplate capacity" under the ARP and CAIR/MATS/TR Programs differ slightly. Therefore, for a unit subject to the ARP and any CAIR/MATS/TR Program, the nameplate capacity for the same generator under the ARP and under the CAIR/MATS/TR Program may differ in certain limited circumstances. Specifically, for a unit subject to the ARP, the nameplate capacity of a generator, if listed in the National Allowance Database ("NADB"), is not affected by physical changes to the generator after initial installation that result in an increase in the maximum electrical generating output that the generator is capable of producing. Otherwise, for a unit subject to the ARP or a CAIR/MATS/TR Program, the nameplate capacity of a generator is affected by physical changes to the generator after initial installation that result in an increase in the maximum electrical generating output that the generator is capable of producing. In such a case, the higher maximum electrical generating output number in MWe should be reported in the nameplate capacity column. For units subject only to MATS, use the nameplate capacity reported for each generator on U.S. EIA form EIA-860. If the facility does not report to U.S. EIA, use the nameplate capacity displayed on the nameplate of the generator served by the unit. Enter "NA" if, as of the date of submission of this form, the unit does not serve a generator.

See the definition of "nameplate capacity" at 40 CFR 72.2, 96.102, 97.102, 96.202, 97.202, 96.302, 97.302, 97.402, 97.502, 97.602, and 97.702, as applicable. The NADB is located at the CAMD website at http://www.epa.gov/airmarkets/trading/allocations.html. If you have questions regarding nameplate capacity, contact Robert Miller at miller.robertl@epa.gov or (202) 343-9077; if you have questions regarding the NADB, contact Craig Hillock at hillock.craig@epa.gov or (202) 343-9105.

- (vii) Enter the company name of each owner and operator in the "Company Name" field. Indicate whether the company is the owner, operator, or both. For new units, if the operator of a unit has not yet been chosen, indicate that the owner is both the owner and operator and submit a revised form when the operator has been selected within 30 days of the effective date of the selection. EPA must be notified of changes to owners and operators within 30 days of the effective date of the change. You are strongly encouraged to use the CAMD Business System to provide updated information on owners and operators. See the Certificate of Representation tutorial on the CBS homepage for assistance.
- (viii) Indicate whether or not the unit is located in Indian Country. For more information see the definition of "Indian Country" at 40 CFR 97.402, 97.502, 97.602 and 97.702.

(ix) When identifying a unit at a plant for the first time, indicate whether or not the unit ever operated at another location. If the answer is "yes", the EPA will contact the owners/operator for more information.

STEP 5

Read the appropriate certification statements that apply (if any), sign, and date.

Mail this form to:

For regular/certified mail:

U.S. Environmental Protection Agency 1200 Pennsylvania Ave., NW Mail Code 6204M Attention: Designated Representative Washington, DC 20460 For overnight mail:

U.S. Environmental Protection Agency 1201 Constitution Ave., NW 7th Floor, Room # 7421M Attention: Designated Representative Washington, DC 20004 (202) 343-9191

Submit this form prior to making any other submissions under the ARP, CAIR, MATS or TR Programs. Submit a revised Certificate of Representation when any information in the existing Certificate of Representation changes. You are strongly encouraged to use the CAMD Business System to provide updated information. See the Certificate of Representation tutorial on the CBS homepage for assistance.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 15 hours per response annually. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.



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Attachment B - Title V Permit Application Forms All proposed changes are noted in red font

Section I - Certification	
Certification	
I certify under penalty of law that this document and all attachments were prepared under my direction or superv qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person o required to complete this application, I believe the information is true, accurate, and complete. I am aware that the including the possibility of fines and imprisonment for knowing violations.	ision in accordance with a system designed to assure that persons directly responsible for gathering the information re are significant penalties for submitting false information,
Responsible Official Dale Irwin	Title President
Signature DALCARWAN	Date <u>03/5 / 2</u> 021
P.E. Certification	
I certify under penalty of law that I have personally examined, and am familiar with, the statements and informatic they pertain to the practice of engineering. I am aware that there are significant penalties for submitting false infor knowing violations.	n submitted in this document and all its attachments as mation, including the possibility of fines and imprisonment
Professional Engineer	NYS License No.
Signature	Date/ /
	
Section II - Identification Information	tion
Title V Facility Permit ☐ New ☐ Significant Modification ☐ Renewal ☐ Minor Modification ☐ Operational Flexibility Notification	State Facility Permit New General Permit Title:
☐ Application involves construction of new facility ☐ Application involves construction of new facility	struction of new emission unit(s)
	1
Owner/Firm	
Name: Greenidge Generation LLC	
Street Address: 590 Plant Road PO Box 187	1 110 7
City Dresden State NY Cou Owner Classification ☐ Federal ☐ State ☐	ntry U.S. Zip 14441 Municipal Taxpayer ID
 ✓ Corporation/Partnership ✓ Individual 	9 0 0 9 1 1 2 1 2
Facility 🗅 Confidential	
Name Greenidge Station	
Location Address 590 Plant Road	
☐ City / ☐ Town / ☒ Village Dresden	Zip 14441
Project Description Continuation Sheet s)	
Greenidge Generation LLC Facility Title V Permit Renewal Application.	
Owner/Firm Contact Mailing Address	
Name (Last, First, Middle Initial) Irwin, Dale	Phone No. 315)536 3423
Affiliation Greenidge Generation LLC Title President	Fax No.
Street Address 590 Plant Road PO Box 187	
City Dresden State NY Count	ry U.S. Zip 14441
Facility Contact Mailing Address	
Facility Contact Mailing Address	
Name (Last, First, Middle Initial) Irwin, Dale	Phone No. 315) 536 3423
	Phone No. 315) 536 3423 Fax No.



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				propos	sed chai	nges ar	nit Appli re noted / Inform	in red f						
						Classificatio	n							
☐ Hospital	□ Hospital □ Residential □ Educational/Institutional □ Commercial □ Industrial ☑ Utility													
	Affected States (Title V Only)													
_					Affecte	d States (Title	e V Only)							
□ Vermont	□ Vermont □ Massachusetts □ Rhode Island ☑ Pennsylvania Tribal Land: Onondaga Nation													
□ New Har	mpshire	☐ Con	necticut	C	☐ New Jers	sey	☐ Ohio	Tı	ribal Land:	Seneca N	ation of Ind	dians		
] 														
						SIC Codes								
4911	4931													
	Facility Description Continuation Sheet(s) Creepidge generating station consists of five emission units: one electric generating unit (C.00004), and one solid five lengthing system unit (C.00004).													
00005.) Unit 00004. The b B0006 is equ and a spray of pollutant con good combus Emission uni storage silo (onsite ash di pond. Settled system, used	Greenidge generating station consists of five emission units: one electric generating unit (G-00004), and one solid fuel handling system unit (G-00005.) Unit G-00004 consists of boiler (B0006) with a maximum heat input of 1,117 MMBtu/hr. Boiler B0006 exhausts through emission point 00004. The boiler uses natural gas as the primary fuel, clean (untreated) wood, and waste wood from a furniture making process are also permitted. B0006 is equipped with over fire air, natural gas reburn, selective non catalytic reduction, and selective catalytic reduction to control NOx emissions, and a spray dry reactor and baghouse to control SO2 and particulate emissions. The emission control system is collectively referred to as the multi pollutant control (MPC) project. SO2 emissions are also controlled by the sulfur content of the fuel, and NOx emissions are also controlled through good combustion practices. Emission unit G-00005 includes all solid fuel handling operations at the facility. Emission unit G00006 includes all ash handling operations at the facility. Fly ash collected from the boilers is pneumatically conveyed to the flyash storage silo (which is equipped with a baghouse) and then mixed with wastewater in a pugmill before being discharged into trucks for transport to the onsite ash disposal landfill. There it is dumped, graded, compacted, and covered. Bottom ash from the boilers is quenched and pumped to a settling pond. Settled ash is periodically dredged for reuse under a Beneficial Use Determination (BUD.) Emission unit G-00007 includes the lime hydrating system, used for flue gas desulfurization. Emissions from this unit are controlled by a wet scrubber and discharge through emission point 00072. Emission unit G-00008 consists of the aqueous urea handling system that supports the boiler NOx emission control system.													
				Com	oliance S	tatement	ts (Title V	Only)						
If one or m must be ch information	ore emiss necked), t n required This facili those uni For all em all such r Complian	sion units at the noncom d. For all en ity will contir its reference nission units requirements nce certificat	t the facility a plying units r mission units nue to be oped in the comes, subject to a son a timely	are not in cor must be ider s at this facili perated and i mpliance pla any applicab y basis. will be subn	mpliance wit ntified in the lity that are o maintained i an portion of ole requirement mitted at leas	th all applicate "Complian operating in such a mage of Section IV opents that with ast once a year.	all applicable able requiren ce Plan" bloc compliance tanner as to a of this applicall become effers. Each re	nents at the ck on page 8 with all appl assure comp cation. fective during	time of signi of this form icable requi oliance for th g the term o	ing this appli n along with t rements con ne duration of f the permit,	the compliar nplete the fo of the permit this facility v	nce plan ollowing: t, except will meet		



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Attachment B – Title V Permit Application Forms

All proposed changes are noted in red font

Facility	/ Applicable Fed	deral R	equiremen	ts ⊠ Cont	inuation Sheet(s)			
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	63	Α						
40	CFR	68							
40	CFR	82	F						
40	CFR	98							
6	NYCRR	200		6					
6	NYCRR	201	1	7					
6	NYCRR	201	1	8					
6	NYCRR	201	3	2	а				
6	NYCRR	201	3	3	а				
6	NYCRR	201	6	4	a	4			
6	NYCRR	201	6	4	а	7			
6	NYCRR	201	6	4	а	8			
6	NYCRR	201	6	4	С				
6	NYCRR	201	6	4	С	2			
6	NYCRR	201	6	4	С	3	ii		
6	NYCRR	201	6	4	d	4			
6	NYCRR	201	6	4	е				
6	NYCRR	201	6	4	f	6			
6	NYCRR	202	1	1					
6	NYCRR	202	2	1					
6	NYCRR	202	2	5					
6	NYCRR	211		2					
6	NYCRR	215		2					
6	NYCRR	225	1	2	h				
6	NYCRR	225	1	5	С				
6	NYCRR	201	6						

Facility	y State Only Re	quirem	ents □ Co	ntinuation S	Sheet(s)						
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
6	NYCRR	201	4								
6	NYCRR	211		1							
6	NYCRR	242	1	4	b						
6	NYCRR	242	1	5							
6	NYCRR	242	8	5							
6 NYCRR 242 4											
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Attachment B – Title V Permit Application Forms

All proposed changes are noted in red font

Section III - Facility Information (continued)

Facility Co	mpliance Certif	ication D	☑ Continuatio	on Sheet(s))				
				Rule	Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	63	ZZZZ						
Applicable F	ederal Requirement		CAS	S No.		Co	ntaminant Name		
☐ State Only R	tequirement	☐ Capping	-						
				Monitorin	g Information				
☐ Ambient A	Air Monitoring	☐ Work P	ractice Invol	ving Specifi	c Operations	⊠ Reco	ord Keeping/Mainte	enance Pr	rocedures
				Des	scription				

Previous Condition #34

This requirement applies to Emission Unit G-XEMPT, Process EGN and DFP

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ. The facility is required to comply with the following conditions for the Emergency Generator and the Diesel Fire Pump:

The existing emergency generator is comprised of a compression ignition (CI) stationary reciprocating internal combustion engine fired by Ultralow Sulfur Diesel (ULSD) fuel oil # 2, rated at 375 horsepower hour (HP).

The existing emergency diesel fire pump engine is comprised of a compression ignition (CI) stationary reciprocating internal combustion engine fired by ULSD fuel oil # 2 and rated at 276 HP.

The Permittee shall comply with the definition of emergency stationary RICE in 40 CFR 63.6675 and the following provisions:

I. Compliance Date:

The compliance date for the two existing engines: May 3, 2013. [40 CFR 63.6595 (a)]

- II. General Requirements for Complying with Subpart ZZZZ
- 1. The Permittee must be in compliance with the emission limitations, operating limitations and other applicable requirements of Subpart ZZZZ at all times. [40 CFR 63.6605 (a)]
- 2. At all times, the Permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the facility to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to EPA Region 2 which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR 63.6605 (b)] III. Emission Limitations, Management Practices and Other Requirements:
- 1. The Permittee shall comply with the following requirements of 40 CFR 63.6602 and Table 2c, Section 4 of Subpart ZZZZ: The requirements a through c must be met at all times, except during periods of startup.
- a. Change the oil and filter every 500 hours of operation or annually, whichever comes first. The Permittee has the option to utilize an oil analysis program as described in 63.6625(i) in order to extend the specified oil change requirements.
- b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- d. The Permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes after which time the emission standards applicable to all times other than startup apply. [40 CFR 63.6625(h)]
- e. If the engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedules required in Table 2c of Subpart ZZZZ, or if performing the management practice on the required schedules would otherwise pose an unacceptable risk under federal, state or local law, the management practices can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice shall be performed as soon as possible after the emergency has ended or the unacceptable risk has abated. The Permittee shall report any failure to perform the management practice on the schedule required and the federal, state, or local law under which the risk was deemed unacceptable.
- 2. Operate and maintain the engines and after-treatment control device (if any) according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow your its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good pollution control practices for minimizing emissions. [40 CFR 63.6625 (e)]
- 3. Install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625 (f)]
- 4. The Permittee may utilize an oil analysis program in order to extend the oil change requirements specified in 63.602 (a) and Table 2c. The oil analysis must be performed as specified in 63.6625 (i).
- 5. The Permittee must demonstrate continuous compliance with the each applicable operating limitation in Table 2c in accordance to



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Attachment B – Title V Permit Application Forms

All proposed changes are noted in red font

methods specified in Table 6. [40 CFR 63.6640 (a)]

6. If the Permittee does not operate the engine according to the requirements in 63.6640(f) (1) though (f) (4), then the engine will not be considered an emergency engine under Subpart ZZZZ and must meet all requirements for non-emergency engines. [40 CFR 63.6640 (f)]

The engine may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission authority or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of the engine beyond 100 hours per calendar year. [40 CFR 63.6640 (f) (2) (i)]

IV. Fuel Requirements

Pursuant to 40 CFR 63.6604(b) the following the Permittee shall comply with the following fuel requirements:

Beginning January 1, 2015, emergency engines that meet all the following conditions must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased prior to January 1, 2015 may be used until depleted.

Greater than 100 brake HP;

Displacement of less than 30 liters per cylinder;

Operates for the purposes specified in 63.6640 (f)(4)(ii)

The diesel fuel requirements of 40 CFR 80.510(b) are as follows: (1) Sulfur content of 15 ppm maximum; and (2) A minimum cetane index of 40, or a maximum aromatic content of 35 volume percent.

V. Recordkeeping Requirements

The Permittee shall keep records showing:

- 1. The Permittee must keep the records required in Table 6 of Subpart ZZZZ to show continuous compliance with each applicable emission or operating limitation in 40 CFR Part 63, Subpart ZZZZ. [40 CFR 63.6655 (a) and (d)]
- 2. If applicable, the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine.[40CFR 63.6655 (e)]
- 3. The hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency. The Permittee must keep records of the notification of the emergency situation, and the date, start time and end time of the engine operation for these purposes.[40 CFR 63.6655 (f)]
- 4. The records must be in a form suitable and readily available for expeditious review. [40 CFR 63.6660 (a) and 40 CFR 63.10 (b) (1)]
- 5. The Permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. [40 CFR 63.6660 (b) and 40 CFR 63.10 (b) (1)]
- 6. The Permittee must keep each record readily accessible in hard copy or electronic form on site at the source for 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 63.10 (b)(1). [40 CFR63.6660 (c) and 40 CFR 63.10 (b) (1)]

VI. Reporting Requirements

The Permittee must report to EPA Region 2 each instance in which it did not meet each applicable emission limitation or operating limitation in Table 2c. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported to EPA Region 2 according to the requirements in 63.6650. [40 CFR 63.6640 (b)] 40 CFR 63 Subpart A-General Provisions

The Permittee shall comply with all applicable provisions of 40 CFR Subpart A as outlined in Table 8 of 40 CFR 63 Subpart ZZZZ.

Work Pract	ice	Code		Process Ma	aterial escription		R	eference Test Method
					•			
	0 1		Parar				.,	
'	Code			D	escription		Manu	ıfacturer Name/Model No.
		Limit					Limit Units	
l	Jpper		Lov	ver	Code		Desci	ription
,	Averagi	ing Method		N	/lonitoring F	requency	Re	eporting Requirements
Code		Descripti	on	Code		escription)	Code	Description
					MON	UIRED - SEE ITORING CRIPTION	14	SEMI-ANNUALLY (CALENDAR)



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Attachment B – Title V Permit Application Forms

		Sect	ion III - Fa	acility In	formation	(continue	ed)			
Facility Co	mpliance Certifi	cation 🗵	Continuation	n Sheet(s)						
				Rule (Citation					
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Pa	aragraph	Clause	Sub Clause
6	NYCRR	230		5	а				_	
Applicable F	ederal Requirement		CASI	No.		Cor	ntamina	nt Name	<u> </u>	
☐ State Only R	•	☐ Capping		-						
				Monitoring	Information					
☐ Ambient A	Air Monitoring	□ Work Pra	actice Involvir	ng Specific	Operations			Process of Surrogate		Device
				Desc	ription					
previous 12 making the s prior to any s years and be	nd/or operator of a consecutive month site subject to the r site exceeding the e made available to	ns. This rolling equirements 120,000 gall	ng total will be s of 230.2. The lons in annua nt representat	e used to de le appropria Il throughpu tives on req	etermine if the ate Stage I and ut. These recor	annual through Stage II vapords must be m	ghput ex or collec naintaine	ceeds 120 tion syster),000 gall ms must	ons thereby be in place
Work Pract			Process Ma				Б-	, T	4 N A - 41	
Туре	Code	 	DE	escription			Ke	ference To	est Metho	od
 										
	Code	Para •	ameter D	ccarintian			Monuf	acturer Na	·ma/Mad	al No
	017	1		escription Gasoline			Manu	acturer ma	ime/iviou	el No.
				Jasonne						
<u> </u>	Limit Upper	1 10	wer	Code	T	Limi	it Units Descri	ntion		
	20000		wei	18	†					
					Semante Part years					
Code	Averaging Method Descript		Code	Monitoring Frequency e Description			ode Re		quiremer Descripti	
17	ANNUAL MA ROLLED MC	XIMUM	05		ONTHLY		16	AS F	REQUIRE	1



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Attachment B – Title V Permit Application Forms

All proposed changes are noted in red font Section III - Facility Information (continued)

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Facility Co	ompliance Certifi	cation 🗵	Continuation	on Sheet(s)										
				Rule (Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause					
	•		•		•	<u> </u>	<u> </u>							
6	NYCRR	231	5	5										
X Applicable	Federal Requirement		CAS	No.		Co	ntaminant Name		•					
☐ State Only F		☐ Capping	_	-										
	•			Monitoring	Information									
☐ Ambient	Air Monitoring	☐ Work Pr	actice Involv	ing Specific	Operations	⊠ Reco	rd Keeping/Maint	enance P	rocedures					
				Desc	ription									
Previous C	Condition #28													
146.8 tons a 7.1 tons for Offset by 1.	ons which Greenidge acquired from the shutdown of Westover Generating Station. 153.9 tons NOx = facility PTE 146.8 tons allocated to boiler (EU 00004, permit condition 58) 7.1 tons for other (exempt) sources Offset by 1.15 177 tons NOx offsets allocated for the project													
Work Prac			Process M	aterial										
Туре	Code			Description			Reference 7	est Meth	od					
	•	Para	ameter											
	Code			Description			Manufacturer N	ame/Mod	el No.					
	Limit					Lim	it Units							
	Upper	Lo	ower	Code			Description							
	Averaging Method			Monitoring F	requency		Reporting R	equireme	nts					
Code	Descript	ion	Code		Description	Co	ode	Descript	ion					
			1		MI-ANNU (CALEND									



												1															
					DEC)							Α	PP	LIC	ΑТ	101	N IE	OO	FFI	CE	US	SE (ON	LY	
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Attachment B – Title V Permit Application Forms

All proposed changes are noted in red font Section III - Facility Information (continued)

					morniation.		<u> </u>				
Facility Co	mpliance Certifi	cation 🗵	Continuation	on Sheet(s)							
				Rule	Citation						
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
							,				
6	NYCRR	231	7	5							
	ederal Requirement	$oxed{ }_{-}$		No.			ntaminant Name				
State Only R	lequirement	Capping	0NY210 -		-	OXID	ES OF NITROGE	N			
				Monitorin	g Information						
☐ Ambient A	Air Monitoring	□ Work Pr	actice Involv	ving Specific	c Operations		toring of Process of eters as Surrogate		l Device		
				Des	cription						
from Boiler #	NOx is limited to r 6, emergency dies		r, emergenc	y diesel fire				the NOx	emissions		
Work Pract	ice Code	1	Process M	laterial Description			Reference T	ant Math	~ d		
Туре	Code		L	Jescription			40 CFR 6		3 d		
		D	.4				40 OF IX 0	00 Whh W			
	Code	Para I	ameter T	Description			Manufacturer Na	ame/Mod	el No.		
	Y210000			S OF NITRO	OGEN				911101		
	Limit					Limi	it Units				
	Upper	Lo	wer	Code		Description					
	153.8			38			tons per year				
	Averaging Method			Monitoring			Reporting Re	equireme	nts		
Code	Descript		Code		Description	Co	ode	Descript			
71	ANNUAL TOTA MONTH		05	M	ONTHLY	1	14 SEMI-ANNUALLY (CALENDAR)				



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Attachment B – Title V Permit Application Forms

All proposed changes are noted in red font

		Sect	<u>tion III - F</u>	acility I	nformation	(continue	ed)						
Facility Co	mpliance Certifi	cation 🗵	☑ Continuatio	on Sheet(s)									
				. ,	: Citation								
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause				
						·	_						
6	NYCRR	231	7	5									
	Federal Requirement		CAS				ntaminant Name	1.					
State Only F	Requirement	☐ Capping	0NY750 -			Carbon	Dioxide Equivale	nts					
<u> </u>					ig Information								
☐ Ambient /	Air Monitoring	□ Work Pr	actice Involv	ing Specific	c Operations		toring of Process of eters as Surrogato		l Device				
				Des	scription								
Previous C	ondition #29												
For calculati determine re CO2e of CH factors listed Table A-1 sl	CO2e emissions fing the actual tons esulting GHG emissed and N2O. For the din 40 CFR Part 98 hall be used. The acculated as specified	of CO2e fro sions (as CO e purposes of 8, Tables C- actual CO2e	om Boiler #6, O2e) based of of showing c -1 and C-2, a from the em	the Permitton the combination the combination the global and the global the global argency displays the combiner of the permitted that the combiner of the com	tee shall use the bination of mea with the GHG B oal warming pot	e procedures sured by CEM BACT emission ential factors	set forth in 40 CF AS CO2 emissions n limits, the CH4 a listed in 40 CFR F	R Part 98 s and cald and N2O Part 98, su	to culated emission ubpart A,				
Work Prac			Process M				5.4						
Туре	Code		L	Description			Reference T	est Metho	od				
<u> </u>	Code	Para T	ameter	Description			Manufacturer Na	ame/Mad	ol No				
ON'	IY750000		CARBON DIC		IIVALENTS		Manuacturer in	allie/iviou	ei No.				
014			MINDON DIC	T	JIVALLIVIC	Line	14 1 1 14 <u></u>						
	Limit Upper		ower	Code	1	Limit Units Description							
5	53788.1			34	T		tons						
Code	Averaging Method Descript		Code	Monitoring	Frequency Description	Cc	Reporting Report	equiremer Descripti					
36	30-DAY RO AVERA	DLLING	05	M	ONTHLY		Δ SE	MI-ANNU (CALEND	JALLY				



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Attachment B – Title V Permit Application Forms

All proposed changes are noted in red font
Section III - Facility Information (continued)

		Seci	ion III - F	acility in	itormation	(continue	ea)		
Facility Cor	npliance Certifi	cation 🗵	☑ Continuatio	on Sheet(s)					
				Rule	Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
	.) [-					. a.a.g.ap	- cas : aragrapii	0.0.00	0.0.00
6	NYCRR	231	7	5					
X Applicable F	ederal Requirement		CAS	No.			ntaminant Name		
☐ State Only Re	equirement	☐ Capping	0NY750 -	00 - 0		CARBON D	IOXIDE EQUIVAL	ENTS	
				Monitoring	Information				
☐ Ambient A	ir Monitoring	□ Work Pr	ractice Involv	ing Specific	Operations		oring of Process of eters as Surrogate		Device
				Desc	ription				
Previous Co	ndition #31			2000					
This facility we natural gas he For calculating determine recode of CH4 factors listed Table A-1 she shall be calculated.	vide limit includes eater. Ing the actual tons sulting GHG emis and N2O. For the in 40 CFR Part 9 all be used. The allated as specified	of CO2e frosions (as CO2e purposes B, Tables Cottual CO2e	missions from m Boiler #6, D2e) based of of showing co- -1 and C-2, a from the em in this permi	the Permitte on the comb ompliance v and the global ergency die t.	emergency did ee shall use the ination of mea vith the GHG E al warming pot	esel generato e procedures sured by CEN BACT emissio cential factors	th rolling total bas r, emergency dies set forth in 40 CFI 4S CO2 emissions n limits, the CH4 a listed in 40 CFR P esel fire pump, an	el fire pur R Part 98 s and cald and N2O Part 98, su	to culated emission ubpart A,
Work Practi	ce Code		Process M	aterial Description			Reference T	oot Moth	ad
Туре	Code		L	rescription			Relefence i	est Metric	Ju
	Code /750000		ameter CARBON DIC	DESCRIPTION DXIDE EQU	IVALENTS		Manufacturer Na	ame/Mod	el No.
	Limit					Limi	t Units		
	Jpper	Lo	ower	Code			Description		
6	41878			38			tons per year		
A	Averaging Method	•		Monitoring I	reguency		Reporting Re	quiremer	nts
Code	Descript	tion	Code		Description	Co	de	Descripti	on
71	ANNUTAL ROLLED MO		05	MC	ONTHLY	1		MI-ANNU CALEND	



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Attachment B – Title V Permit Application Forms

All proposed changes are noted in red font

Section III - Facility Information

	Facility Emissions Summary Solution Potential to Emit* From the continuation of th										
CAS Number	Contaminant Name	Emit* (tons/yr)	Actual Emissions* (pounds/yr								
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS	641,878									
124-38-9	CARBON DIOXIDE	639,351									
0NY210000	OXIDES OF NITROGEN	153.8									
0NY075100	UNSPECIATED PARTICULATES	48.9									
0NY075005	PM-10	151.7									
0NY075-02-5	PM-2.5	151.7									
630-08-0	CARBON MONOXIDE	464.8									
7446-09-5	SULFUR DIOXIDE	39									
7439-92-1	LEAD	0.006									
0NY998-00-0	VOC	49									
-	POLYCYCLIC ORGANIC MATTER	5E-05	0.2								
0NY100-00-0	TOTAL HAPs	32.0	4,150								
50-00-0	FORMALDEHYDE	5.0	165								
71-43-2	BENZENE	9.3	4.6								
75-07-0	ACETALDEHYDE	5E-4	0.02								
91-20-3	NAPHTHALENE	3E-3	1.3								
106-99-0	1,3-BUTADIENE	2E-5	0.001								
107-02-8	ACROLEIN	1.0	0.003								
108-88-3	TOLUENE	2E-2	7.5								
110-54-3	HEXANE	8.6	3,960								
1330-20-7	XYLENE	2E-4	0.008								
7440-38-2	ARSENIC	1E-3	0.4								
7440-41-7	BERYLLIUM	6E-5	0.03								
7440-43-9	CADMIUM	5E-3	2.4								
7440-47-3	CHROMIUM	7E-3	3.1								
7440-48-4	COBALT	4E-4	0.2								
7439-96-5	MANGANESE	2E-3	0.8								
7439-97-6	MERCURY	1E-3	0.6								
7440-02-0	NICKEL	1E-2	4.6								
7782-49-2	SELENIUM	1E-4	0.053								
7647-01-0	HYDROGEN CHLORIDE	2.3	0								
7664-41-7	AMMONIA	43.5	20,100								

^{*}Potential to Emit included in the above table is the same as the Potential to Emit for the existing permit.

^{**}Actual emissions listed above are the average 2019 and 2020 emissions in the Emissions Statements. The 2020 Emissions Statement will be submitted to NYSDEC before April 15, 2021, in accordance with Part 202-2 requirements.



					DEC)				
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All proposed changes are noted in red font

Section IV - Emission Unit Information

Emission Unit Description Continuation Sheet(s)
EMISSION UNIT G - 0 0 0 4
Combustion Engineering boiler, rated at 1,117 MMBtu/hr maximum heat input, which is identified as boiler #6. The boiler
predominantly fires up to 100% natural gas, but may also fire natural gas with clean unadulterated wood and/or kiln dried wood
(including resinated wood) up to 19% on a heat rate basis. The boiler is equipped with advanced low NOx burners, closed-coupled
and staged over-fire air, SNCR, and SCR to control NOx emissions, and a baghouse to control particulate emissions.

Building a	Continuation Sheet(s)			
Building	Building Name	Length (ft)	Width (ft)	Orientation
BOILER	BOILER BUILDING			

Emission Po	int□ Continuat	ion Sheet(s)				
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross S Length (in)	Section Width (in)
479	227	99	156	309	3 (/	· /
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
43.2	344000	340.321	4727.002	BOILER		

Emission So ID B0006		rce/Contro		nuation Shee	(0)			
ID	Туре			Date of		Control Type		
		Construction	Date of Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
D0000		Concuración	11/1/1953	rtomovan	Jour	Becompaien	manara	Boiler 6
Design		Design Ca	pacity Units		Į Į	Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
1117	25	millio	n Btu per hou	ır		<u>'</u>		'
Emission Sc		Date of	Date of	Date of	Į Į	Control Type		
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
BAG06	K		11/1/2006		016	Fabric Filter		
Design	ı	Design Ca	pacity Units			Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
						•		
Emission Sc	ource	Date of	Date of	Date of	1	Control Type		
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
NCR06	K		11/1/2006		029	Selective non-catalytic		Fuel Tech (SNCR)
						reduction (SNCR)		,
Design		Design Ca	pacity Units			Waste Feed		Waste Type
Capačity	Code		Description		Code	Description	Code	Description
Emission Sc		Date of	Date of	Date of		Control Type		
ID	Type	Construction	Operation	Removal	Code	Description		cturer's Name/Model No.
OFA06	K		11/1/2006		033	Selective Catalytic	Selec	tive Catalytic Reduction
						Reduction (SCR)		(SCR)
Design			pacity Units			Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
Emission Sc		Date of	Date of	Date of		Control Type		
ID	Type	Construction	Operation	Removal	Code	Description		cturer's Name/Model No.
SCR06	K		11/1/2006		033	Selective Catalytic	Selec	tive Catalytic Reduction
					Reduction (SCR)			(SCR)
Design			pacity Units			Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description



PROCESS

	DEC ID													
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EMISSION UNIT

Process Information

☐ Continuation Sheet(s)

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All proposed changes are noted in red font

Section IV - Emission Unit Information (continued)

Description

Previous Cond	lition #37.1											
Nitrogen oxides coupled overfire selective cataly specified elsewl	e air and staged of ic reduction (SCF	introlled through to verfire air combuses. R). The SNCR and the Emissions of nite	stion practices in d SCR shall be o	conjunction with perated at all time	selective non-cat es, except during	g system (ALNFS), closed alytic reduction (SNCR) and startup and shutdown periods as ssions monitoring system						
Causas Cl	:6:4:	Total T	hruput		Thruput Qu	antity Units						
_	assification (SCC)	Quantity/Hr	Quantity/Yr	Description								
1-05-0	006-01											
☐ Confide	ntial		Operating	Schedule								
Operation	ng at Maximum Ca		Hrs/Day	Days/Yr	Building	Floor/Location						
□ Activity with Insignificant Emissions BOILER Emission Point Identifier(s)												
			Emission Poir	nt Identifier(s)								
			l mission Source/0	Control Identifier(<u> </u>							
B0006	LNB06	NCR06	SCR06	control identifier(5)							
Process Info	ormation ⊠ Co	ntinuation Sheet(s)									
EMISSION UN	IT G - 0 0	0 0 4				PROCESS P 7 5						
			Descr	iption								
Previous Cond	lition #37.2											
board)]. The qu annual heat inp under 6 NYCRF firing system (A catalytic reducti startup and shu co-firing natural	antity of biomass ut basis. The com R Part 360-1.15. I LNFS), closed-co on (SNCR) and so tdown periods as	present in the milbustion of resina Nitrogen oxides e upled overfire air elective catalytic specified elsewhalls. Emissions of ni	xture shall not exited wood requires missions are con and staged overfreduction (SCR). ere in this permit.	ceed: 1) 19% on s the issuance of trolled through th ire air combustio The SNCR and S Particulate matte	an hourly heat ra a case-specific E te use of a combi on practices in con SCR shall be ope er emissions are	and resinated wood (e.g. particle te basis; and 2) 15 % on an Beneficial Use Determination nation of advanced low NOx njunction with selective non-crated at all times, except during controlled by a baghouse when ssions monitoring system						
Source Cl	assification	Total T	hruput		Thruput Qu	antity Units						
	(SCC)	Quantity/Hr	Quantity/Yr	Code		Description						
1-01-0	006-01											
☐ Confide	ntial		Operating	Schedule								
Operatir	ng at Maximum C		Hrs/Day	Days/Yr	Building	Floor/Location						
☐ Activity	with Insignificant I	⊨missions			BOILER							
			Emission Poir	nt Identifier(s)	<u> </u>							
	<u> </u>				L							



	DEC ID														
8	ı	4	6	4	2	ı	0	0	1	0	8				

All proposed changes are noted in red font

	Emission Source/Control Identifier(s)												
B0006	BAG06	LNB06	NCR06	OFA06	SCR06								

Section IV - Emission Unit Information (continued)

					Emission Unit Applicable Federal Requirements 🚨 Continuation Sheet(s)									
Emission Unit	Emission Point	Process	Emission Source	Title	Туре	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause	
G - 00004				40	CFR	97	AAAA	406						
G - 00004				40	CFR	97	CCCC	606						
G - 00004				6	NYCRR	201	7							
G - 00004				6	NYCRR	201	7							
G - 00004				6	NYCRR	227	1	3	a					

				Emission Unit State Only Requirements 🛭 Continuation Sheet(s)									
Emission Unit	Emission Point	Process	Emission Source	Title	Туре	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
-													
-													

Emission U	nit Com	pliance	Certifica	ation ⊠ Co	ntinuation Shee	it(s)						
		•		Rule	Citation	• •						
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause			
40	CFR	63	DDDDD									
		uirement		Requirement		☐ Capping						
Emission Unit	Emission Point	Process	Emission Source	C/	AS No.		Contaminant N	lame				
G - 00004												
Monitoring Information												
□ Continuous Emission Monitoring □ Intermittent Emission Testing □ Ambient Air Monitoring □ Work Practice Involving Specific Operations □ Record Keeping/Maintenance Procedures												
				De	scription							
Pursuant to 40 C on an annual hea Unit G-00004 fire	it input basi	s is exempt	from 40 CFI	R 63 Subpar	DDDDD. The f	acility shall ma	J which fires at le intain records wh s as a natural ga:	ich demo	nstrate that			
Work Practice			Process	Material								
Туре	Code			Description			Reference T	est Method				
	341		FUE	EL CONSUMP	TION							
		P	arameter									
Code)			Description			Manufacturer Na	me/Model	No.			
38				HEAT INPUT								
10	Lim	it		Code			Limit Units					
Uppe	Γ		Lower 85	Code 136			Description PERCENT					
				.50								



	DEC ID														
8	1	4	6	4	2	1	0	0	1	0	8				

All proposed changes are noted in red font

	Averaging Method	Mo	onitoring Frequency	Reporting Requirements			
Code	Description	Code	Description	Code	Description		
71	ANNUAL TOTAL ROLLED MONTHLY	05	MONTHLY	14	SEMI-ANNUALLY (CALENDAR)		

Emissio	Emission Unit Compliance Certification Continuation Sheet(s)													
					Rule	Citation								
Title		Туре	Part	Sub Part	Section	Sub Division	Paragr	raph	Sub Paragraph	Clause	Sub Clause			
40	(CFR	72	Α	6	а	1							
⋉ Appl	icable F	ederal Requ	uirement		Requirement		☐ Capp	Capping						
Emission	Jnit	Emission Point	Process	Emission Source	C.A	AS No.			Contaminant I	Name				
G - 00	004	l			-	-								
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														
This facility	Previous Condition #52 This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is attached to this Title V facility operating permit.													
Work Prac	tice			Process										
Туре		Code			Description				Reference T	est Method				
			P	arameter										
	Code				Description				Manufacturer Na	ame/Model	No.			
	Upper	Limi	t	Lower	Code			Limit	Units Description					
	Оррсі			LOWCI	Oode				Description					
	Averaging Method				Monitoring Frequency			Reporting Requirements						
Code		Descri	ption	Code 14	Description AS REQUIRED - SEE PERMIT			Coc 14		Description JALLY (CAL				
				14		ORING DESCRIPT		14	SEIVII-AININI	DALLT (CAL	LINDARI			



					DEC)				
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Emission	n Unit Con	npliance	Certifica	ation 🗵 Co	ntinuation Shee	t(s)			
		-		Rule	Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	75	В	10	а				
Applic	able Federal Rec	uirement		Requirement		Capping	•	•	
Emission U	Emission nit Point	Process	Emission Source	CA	S No.		Contaminant N	lame	
G - 0000		1 100000	000,00	-	-		Goritairiinant	idilio	
	•			Monitorin	g Information				
☐ Contin☐ Interm☐ Ambie	uous Emission M ittent Emission Te nt Air Monitoring	onitoring esting		■ Work	toring of Process Practice Involving rd Keeping/Maint	g Specific Opera	e Parameters as Si tions res	urrogate	
				Des	scription				
Previous Co	ondition #53				•				
(1) The owner CEMS and a concentration provided in § (2) The owner CEMS (consucquisition a CO2) and Notemissions, b data to accord (3) The owner CEMS and a concentration (4) The owner concentration (5) The owner CO CEMS with discharged to (6) The owner Ammonia (N	er or operator slat flow monitoring (in ppm), volu (§75.11 and 75. er or operator slating of a NOx nd handling sysOx emission ratoth NO and NO unt for NO2; er or operator slationing system was percent opacitier or operator slating the automatoth the automatoth er or operator slating the automatoth automatothe atmospheer or operator slating system was percent opacitier or operator slating system was percent operator slating system was such as several systems and such as several systems are such as several systems and such as several systems are such as several systems are such as several systems are such as several systems and systems are such as several systems are systems are such as several systems are systems are systems are systems.	nall install, cog system with metric gas flot 16 and subphall install, cog pollutant constem for mease (in lb/MMB), either by reall install, cog system with reent), volumnall install, cog discharge hall install, cog the automat	ertify, operate the automatow (in soft), art E of this ertify, operate to discharge monitoring for the automated data and to the atmertify, operated data and to the atmertify, operated data and to the atmertify, operated data and the ertify, operated data acquertify, operated data	perate, and maintain, in accordance with all the requirements of this part, a NOx con monitor and an O2 or CO2 diluent gas monitor) with the automated data and recording NOx concentration (in ppm), O2 or CO2 concentration (in percent On arged to the atmosphere. The owner or operator shall account for total NOx and for both NO and NO2 or by monitoring for NO only and adjusting the emissions are at a acquisition and handling system for measuring and recording CO2 is flow (in scfh), and CO2 mass emissions (in tons/hr) discharged to the atmosphere and maintain, in accordance with all the requirements in this part, a continuate acquisition and handling system for measuring and recording the opacity of					
Work Practic	- i		•	Material					
Туре	Code		. 100000	Description			Reference Te	est Method	l
	•	Pa	arameter						
	Code			Description			Manufacturer Na	me/Model	No.
	Lin	nit				Limit	Units		
	Upper		Lower	Code			Description		
	Averaging Metho	nd .		Monitorina	Frequency		Poporting Po	quiroment	
Code		ription	Code		Description	Cod	Reporting Re	Description	
		•	14	AS RE	QUIRED - SEE PER	MIT 14			



					DEC)				
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Emissio	on Unit Com	pliance	Certifica	ation ⊠ co	ntinuation Shee	t(s)								
		•		Rule	e Citation	· · ·								
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause					
40	CFR	75	В	10	b									
	icable Federal Req	uirement		Requirement		Capping	4							
Emission		Process	Emission Source	C.A	AS No.		Contaminant N	lame						
G - 00	004			-	-									
				Monitorir	ng Information									
☐ Cont☐ Inter☐ Amb	inuous Emission M mittent Emission Te ient Air Monitoring	onitoring esting		■ Work	itoring of Process Practice Involving ord Keeping/Mainte	Specific Opera	e Parameters as Si tions res	urrogate						
				De	scription									
Previous (Condition #54				'									
equipment, assurance	installation, and	performanc ol procedure	e specifications in Append	ons in Appendix B to this pa	dix A to this part	; and is mainta	CEMS required by sined according to NOx emissions in	the qual	ity					
Work Prac			Process	Material										
Туре	Code			Description			Reference To	est Method	d					
		Р	arameter											
	Code			Description			Manufacturer Na	me/Model	No.					
	Limit Limit Units													
	Upper		Lower	Code			Description							
	Averaging Metho	d		Monitoring	Frequency		Reporting Re	auirement	s					
Code	Descr		Code		Description	Cod	de	Description	on					
			14		QUIRED - SEE PER FORING DESCRIPTI		SEMI-ANNU							



					DEC)				
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Emissio	n Unit Com	pliance	Certifica	ation ⊠ Co	ntinuation Shee	rt(s)			
		•			e Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	75	В	10	С				
	cable Federal Req	uirement	☐ State Only	/ Requirement		□ Capping	I.		
Emission L	Emission Init Point	Process	Emission Source	C.	AS No.		Contaminant N	Name	
G - 000	004			-	-				
				Monitori	ng Information				
Intern	nuous Emission Mo nittent Emission Te ent Air Monitoring	onitoring esting		I □ Work	itoring of Process Practice Involving ord Keeping/Maint	g Specific Opera	ce Parameters as S tions ires	urrogate	
				De	scription				
Previous C	ondition #55								
parameters: a. Steam tu b. The volur c. The amou d. Actual he 1. The acconsumed a 2. The acthe boiler, a the biomass Test, or othe 3. The bi	rbine's energy oume of natural gas unt of each type of at input rate (MM ctual heat input rand the heating v ctual heat input find the actual heat is shall be determed ar procedures up	atput in meg s consumed of biomass MBtu/hr), wh ate from na value specifi rom biomas ating value ined by the	pawatts hour on an hourly charged. iich shall be tural gas shaed in this perses shall be de (i.e., heat corprocedures of C's approval # 6 must ha	(MW-hour) of the determined as the determined as the determined as the contained in the determined as the determined as the determined as the determined as the determined in the determined as	as follows: ined as the prod the product of the biomass expres the American So	is. luct of the actu he actual (weig sed as MMBtu ociety of Mech	al measured amount of /ton. The heating anical Engineers	ount of na biomass o	tural gas charged to MBtu/ton) of
Work Pract			Process	Material			Poforonoo T	aat Matha	4
Туре	Code			Description			Reference T	est iviethor	ı
	Parameter Manufacturer Name/Model No.								
	Lim	nit				Limit	Units		
	Upper		Lower	Code			Description		
	Averaging Metho	d		Monitoring	Frequency		Reporting Re	auirement	s
Code	Descr		Code		Description	Cod		Description	
			14		QUIRED - SEE PER		SEMI-ANNU	JALLY (CAL	ENDAR)



					DEC)				
8	-	4	6	4	2	1	0	0	1	0	8

	0								
Emissio	n Unit Com	ipliance (Certifica	ıtion ⊠ Co	ontinuation Shee	t(s)			
	-		2 2		e Citation				2 2
Title 40	Type CFR	Part 75	Sub Part B	Section 10	Sub Division d	Paragraph	Sub Paragraph	Clause	Sub Clause
_	cable Federal Reg	_		/ Requirement	-	☐ Capping			
	Emission		Emission			<u> </u>	Ctominant N	I succe	
Emission U G - 000		Process	Source	U.F	AS No.	 	Contaminant N	Name	
0 000	04 [<u>. </u>		Monitori	ng Information	<u>. </u>			
☐ Contir	nuous Emission Mo nittent Emission Te	onitoring			<u> </u>	or Control Device	ce Parameters as S itions ires	urrogate	
☐ Ambie	ent Air Monitoring	Stilly				enance Procedu	ires		
Previous Co	ondition #56			De	escription				
							ous emission and		
							it the affected unit aintenance, perforr		
							d handling system.		
							ove in this paragra		
opacity monit	toring systems red	quired by this p	oart are in o	peration and	monitoring opacit	ity during the tim	ne following combi	Istion whe	n fans are
						licable Federal,	State, or local reg	ulation, or	permit. The
owner or ope	erator shall ensure	that the follow	ing require	ments are me	€T:				
(1) The owne	er or operator sha	ll ensure that e	ach CEMS	and compon	ent thereof is car	pable of complet	ting a minimum of	one cycle	of operation
(sampling, ar	nalyzing, and data	a recording) for	each succ	essive 15-mir	n interval. The ow	vner or operator	shall reduce all S	O2 concer	ntrations,
							ion, O2 concentra		
							ollected by the mor		
							ndrant of an hour, was be computed		
							may be computed an hour) if data an		
							ant to §75.21 and		
							The owner or ope		
measuremen	nts or data points	collected during	g an hour to				s collected during		
extent praction	cable, evenly spac	ced over the ho	our.						
(2) The owne	er ar aparator sha	Il anguro that a	ach continu	usus engeity	itoring eyeter	is canable of	loting a minin	rum of on	a avala of
							completing a minir successive 6-min p		
							of part 51, append		
							ing period, in which		
	shall satisfy this A				•	=			
(O) ==:::::::::::::::::::::::::::::::::::	200,000	CO - Hostont o		Ham Blac	#== NILIO =	NO COEMO A	inn dha maini		5 -1 -4
							o acquire the mini		
of such comp	Culation of an not conent data for the	IIIy averaye iii e entire hour #	paragraph In hourly as	(a)(i) oi iiiis :	or SO2 emission (ull III tile ialiule rate in Ih/MMRti	to obtain a valid h u is valid only if the	OUI OI Uato Minimum	a and the loss
							onitor (CO2 or O2).		
							mate and record e		
the missing h	nour by means of	the automated					h the applicable pr		
data substitut	tion in subpart D	of this part.							
Work Practi			Process	Material			D-forence T	- + Matha	.1
Туре	Code	+		Description		- -	Reference T	est Metrioc	1
									
	Code	Para	ameter	Description			Manufacturer Na	eme/Model	No
	Code	+		Возоправ.		- 	Managarar	allio, ivio ac.	NO.
	Lim	L sit		$\overline{}$		L Limit	t Units		
	Upper		ower	Code		Lhine	Description		
	Averaging Metho		1	Monitoring	a Fraguenov		Paparting Pa	auiromont	
Code	Averaging Metho Descr		Code		g Frequency Description	Cod	Reporting Re	Description	
			14		OUIRED - SEE PER				



					DEC)				
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All proposed changes are noted in red font

MONITORING DESCRIPTION

					MONI	TORING DESCRIPT	ION			
Emissia	n I In	it Com	nlianca	Cortifica	ation == 0	ntinuation Shee	(/_)			
	ווט ווכ	it Com	pliance	Certifica			t(s)			
Title	т.	mo I	Part	Sub Part	Rule Section	Citation Sub Division	Paragraph	Sub Paragraph	Clause	I Sub Clause
40		/pe FR	75	B	13	a a	Faragraph	Sub Faragrapi	Clause	Sub Clause
	licable Fe	deral Requ	irement	☐ State Only	/ Requirement		☐ Capping			
Emission		Emission Point	Process	Emission Source	C/	AS No.		Contaminan	Name	
	004	TOILL	1 100033	Oddicc	-	-		Contaminan	Ivanic	
	-	-			Monitorir	ng Information				
Inter	tinuous Ei mittent Er sient Air M	mission Mo mission Tes Ionitoring	nitoring sting		☐ Mon ☐ Work ☑ Reco	itoring of Process Practice Involving ord Keeping/Maint	or Control Devic g Specific Opera enance Procedu	e Parameters as tions res	Surrogate	
					De	scription				
n §§75.11 emission n and/or "NH 'maximum	(a) throughonitoring 13 concedus 15 potentia	gh (e) or § g system" ntration" s I concentr	\$75.16, exc shall apply hall apply r ation of NH	ept that the rather than ather than 13" shall app	phrase "CO2 "SO2 continu SO2 concent ly rather thar	vner or operator continuous emi lous emission m ration," the term n "maximum pot r than "SO2 mas	ission monitorion nonitoring system of maximum po ential concentr	ng system [;] and, em," the phrase tential concentr	or "NH3 co "CO2 condation of CO	ontinuous centration" D2"
Work Prac	ctice			Process	Material					
Туре		Code			Description			Reference	Test Metho	<u>d</u>
			<u> </u>	arameter						
	Code			arameter	Description			Manufacturer I	Name/Mode	l No.
		Limi	<u> </u>				l innit	Units		
	Upper	Limi	l l	Lower	Code		LIMIL	Description		
	Averag	ing Method				Frequency		Reporting F		
Code	+	Descrip	otion	Code		Description	Coc		Descripti	

AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

14

SEMI-ANNUALLY (CALENDAR)

14



					DEC)				
8	-	4	6	4	2	-	0	0	1	0	8

Emissio	n Unit Com	pliance	Certifica	ation ⊠ Co	ntinuation Shee	t(s)					
				Rule	Citation						
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
40	CFR	75	С	20							
Applic	able Federal Requ	uirement		/ Requirement		Capping	•	•			
Emission U	Emission nit Point	Process	Emission Source	C.F	AS No.		Contaminant N	lame			
G - 0000)4			-	-						
				Monitorin	ng Information						
☐ Contin☐ Interm☐ Ambie	nuous Emission Mo littent Emission Te ent Air Monitoring	onitoring sting		☐ Moni ☐ Work ☑ Reco	itoring of Process Practice Involving ord Keeping/Mainte	or Control Devic g Specific Opera enance Procedu	e Parameters as Si tions res	urrogate			
				De	scription						
Previous Co	ondition #58										
NH3, SO2 or or to meet th monitoring s the owner or significantly procedures i location or o or continuou	or continuous opacity monitoring system that may significantly affect the ability of the system to accurately measure or record the NH3, SO2 or CO2 concentration, stack gas volumetric flow rate, NOx emission rate, NOx concentration, percent moisture, or opacity, or to meet the requirements of §75.21 or appendix B to this part, the owner or operator shall recertify the continuous emission monitoring system or continuous opacity monitoring system, according to the procedures in this paragraph. Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit operation that may significantly change the flow or concentration profile, the owner or operator shall recertify the monitoring system according to the procedures in this paragraph. Examples of changes which require recertification include: replacement of the analyzer; change in location or orientation of the sampling probe or site; and complete replacement of an existing continuous emission monitoring system or continuous opacity monitoring system.										
Work Practi			Process				Reference To	aat Matha	J		
Туре	Code	-		Description			Reference 1	est Method	<u> </u>		
		P	arameter								
Code Description Manufacturer Name/Model No.											
	Lim	it				Limit	Units				
	Upper		Lower	Code			Description				
	Averaging Method			Monitoring	Frequency		Reporting Re	quirement	9		
Code	Descri		Code	Wormoning	Description	Cod		Description			
Code Description Code Description Code Description 14 AS REQUIRED - SEE PERMIT 14 SEMI-ANNUALLY (CALENDAR) MONITORING DESCRIPTION											



					DEC)				
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			~ .1.e.						
Emissio	n Unit Com	pli <u>ance</u>	Certifica	ation <u>⊠</u> co	ntinu <u>ation Shee</u>	t(s)			
				Rule	Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	75	G	64	а				
	cable Federal Req	uirement		/ Requirement		□ Capping			
Emission U	Init Emission Point	Process	Emission Source	C.A	AS No.		Contaminant N	lame	
G - 000				_	-				
					ng Information				
□ Conti □ Intern □ Ambi	nuous Emission Mo nittent Emission Te ent Air Monitoring	onitoring sting		☐ Moni ☐ Work ☑ Reco	toring of Process Practice Involving ord Keeping/Maint	or Control Devic g Specific Opera enance Procedu	e Parameters as S tions res	urrogate	
				Des	scription				
Previous C	ondition #59				-				
quarterly. Each report (1) The info adjustments lab analyses controls tha information (2) Tons (ro (3) Average emission ra (4) Tons of	must be submitt rmation and hour s, corrective actions, quality control t do not elect to unit 40 CFR 75.55 unded to the near	ed within 30 ly data requent, and main plan); opaci- use the approperation (b)(3); and to the rest tenth) of the (pounds ar year, and the quar	days of the lired in 40 C atenance; info ty data listed oved site-sphe information SO2 emitt per million E	end of each FR 75.50 thro formation whi d in 40 CFR 7 decific parame on recorded used during the BTU, rounded ulative CO2 6	calendar quarte ough 75.52 (or 7 ch is incompatib 75.50(f) or 75.54 etric monitoring under 40 CFR 7 e quarter and cu I to the nearest	r and shall incl 75.54 through 7 ble with electro (f); for units wi procedures for 5.56(a)(7) for t mulative SO2 hundredth) dur e calendar yea	75.56), excluding nic reporting (e.g th SO2 or NOx ar calculation of suthe period prior to emissions for the ring the quarter a	description, field date dd-on emplements de la date de	ons of ta sheets, ission lata, the 1, 1996. year.
Work Pract			Process	Material					
Туре	Code			Description			Reference T	est Method	j
	Cada	Pa	arameter	Description			Manay factorina a Na	/N / - al - l	NI-
Code Description Manufacturer Name/Model No.									NO.
	Lim	i+				Limit	Units		
	Upper	<u> </u>	Lower	Code		LIIIII	Description		
							•		
	Averaging Metho	<u> </u>		Monitoring	Frequency		Reporting Re	quirement	<u> </u>
Code									
_			14		QUIRED - SEE PER ORING DESCRIPT		SEMI-ANNU	JALLY (CAL	ENDAR)



				[DEC)				
8	-	4	6	4	2	-	0	0	1	0	8

Emissio	on Unit C	ompliance	Certifica	ation ⊠ Co	ntinuation Shee	t(s)					
				Rule	Citation						
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
6	NYCRR	231	5	4							
	licable Federal	Requirement	☐ State Only	/ Requirement		□ Capping	I .				
Emission	Unit Emissi Unit Poin		Emission Source	C.	AS No.		Contaminant N	lame			
G - 00	0004			0NY210 -	00 - 0		OXIDES OF NITI	ROGEN			
	_			Monitorii	ng Information						
☐ Con ☐ Inter ☐ Amb	tinuous Emissio mittent Emissio pient Air Monitor	n Monitoring n Testing ing		 ☐ Monitoring of Process or Control Device Parameters as Surrogate ☐ Work Practice Involving Specific Operations ☑ Record Keeping/Maintenance Procedures 							
				De	scription						
NOx emiss	ment and proc	exceed 146.8 tess upsets. Thi	is limit will sa	tisfy LAER re		ements and be	g all startups, shu demonstrated thi				
Work Prac			Process	Material			D (T				
Туре	Cod	de		Description			Reference To				
							40 CFR 60 A	pp B and	F		
	Code	F I	Parameter	Description			Manufacturer Na	ame/Model	No.		
				·			Continuous Em	ission Mon	itor		
		Limit				Limit	Units				
	Upper		Lower	Code		Description					
	146.8			38		1	tons per year				
	Averaging M			Monitoring	Frequency		Reporting Re				
Code		escription	Code		Description	Cod		Description			
71		OTAL ROLLED NTHLY	01		CONTINUOUS	14	SEMI-ANNU	JALLY (CAL	ENDAR)		



					DEC)				
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Emissio	n Unit Com	nliance	Certifica	ation 🖂 Co	ntinuation Shee	t(s)				
	11 01111 0011	ipiiarioo	Cortinoc		Citation	1(3)				
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause	
6	NYCRR	231	5	4	242 211161611	. a.ag.ap	oub: alagiapii	0.0.00	0.000	
	cable Federal Req	uirement	☐ State Only	Requirement		☐ Capping				
Emission U	Emission Init Point	Process	Emission Source	C.A	AS No.		Contaminant N	lame		
G - 000	004			0NY210 -	00 - 0		OXIDES OF NITE	ROGEN		
				Monitorir	ng Information					
☐ Interr	nuous Emission Monittent Emission Team ent Air Monitoring	onitoring esting		☐ Mon ☐ Work ☑ Reco	toring of Process Practice Involving ord Keeping/Maint	or Control Device Specific Operate enance Procedu	e Parameters as Su tions res	urrogate		
				De	scription					
Previous C	revious Condition #43 This condition was fulfilled as part of initial Title V permit issued in 2016.									
catalyst in c coal fly ash notify the D During the c gas; 2) con startup and COM specification	peration at the ti to be purged from epartment within commissioning planely with the NO shutdown event ied in this permit	me of plant in the syster 30 days of the hase, which is, CO, PM, I specified in .; and 5) use	protective la m. When the the date of ir could be up PM10, PM2.t this permit; e the particul	yup (3/18/11 commission nstallation of to the first 165, and GHG 3) comply with late emission). This will serve ing phase is cor the new catalysi 80 operating day emissions limits th the opacity lin as controls at the	e as a sacrificia inplete the facilit. ys the facility sl expressed as nits specified in e facility, includ	ontinue operation I NOx control devity will install new hall: 1) fire Boiler Ib/MMBTU and Ib h this permit; 4) using but not limited g of the existing S	#6 only coordinates of the factors o	ow residual alyst and will on natural ant per MS and abric filter for	
Work Pract	ice Code		Process	Material Description			Reference Te	est Method	1	
.,,,,,										
	Parameter Code Description Manufacturer Name/Model No.									
	Lim	it				Limit	Units			
	Upper		Lower	Code			Description			
	Averaging Metho	d .		Monitorino	Frequency		Reporting Re	quirement	s	
Code	Descr		Code		Description	Cod	le	Description	on	
			14		QUIRED - SEE PER FORING DESCRIPT			QUIRED - S NG DESCR		



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Emissio	on U	nit Com	pliance	Certifica	ntion ⊠ Co	ntinuation Shee	t(s)						
					Rule	Citation							
Title		Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause			
6	N	IYCRR	231	5									
☑ App	licable	Federal Requ	irement		Requirement		□ Capping	Į.					
Emission	Unit	Emission Point	Process	Emission Source	CA	S No.		Contaminant N					
G - 00	004				124 -	38 - 9		CARBON DIO	XIDE				
					Monitorir	g Information							
☑ Con☑ Inter☑ Amb	tinuous mittent ient Air	Emission Mo Emission Tes Monitoring	onitoring sting		☐ Moni ☐ Work ☐ Reco	 ☐ Monitoring of Process or Control Device Parameters as Surrogate ☐ Work Practice Involving Specific Operations ☐ Record Keeping/Maintenance Procedures 							
					De:	scription							
	oxide e	missions sh				ring each Startu nuous Emission		vn event while firi stem (CEMS).	ng natura	ıl gas only.			
Work Prac	ctice			Process	Material								
Туре		Code			Description			Reference Te	est Method	I			
								40 CFR 6	0 App A				
			Р	arameter									
	Code	!			Description			Manufacturer Na					
								Continuous Emi	ission Mon	itor			
		Limi	t				Limit	Units					
	Uppe			Lower	Code			Description					
	1562				487		pounds per event						
	Aver	aging Method	1		Monitoring	Frequency	Reporting Requirements						
Code		Descri		Code		Description	Cod	le	Description	on			
76	M	AXIMUM - NOT EXCEEDED I OCCURREN	PER	01		CONTINUOUS	14	SEMI-ANNU	JALLY (CAL	ENDAR)			



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Emissi	on Unit Co	mplianca	Cortifica	ation = 0	01	(/_)				
		прпапсе	Certifica		ntinuation Shee	t(s)				
					e Citation					
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause	
6	NYCRR	231	7	5						
☑ App	licable Federal F			/ Requirement		□ Capping				
Emission	Unit Emission Point		Emission Source	C/	AS No.		Contaminant N			
G - 00	0004			124 -	38 - 9		CARBON DIO	XIDE		
				Monitorii	ng Information					
☐ Con ☐ Inter ☐ Amb	□ 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 Previous Condition #48										
Carbon Did	oxide emission:	s shall not exc 6 biomass duri	ng steady st	ate operating			vhile firing natura his limit shall be o			
Work Prac			Process	Material						
Туре	Cod	е		Description			Reference To	est Method	1	
							40 CFR 6	0 App A		
	Code	P	arameter	Description			Manufacturer Na Continuous Em			
	Limit Limit Units									
Upper Lower Code Description										
	130.17			7		poun	ds per million Btus			
	Averaging Me			Monitoring	g Frequency		Reporting Re			
Code		scription	Code		Description	Cod		Description		
63	AVERAGINO SEE MON DESCR	IITORING	01		CONTINUOUS	14	SEMI-ANNU	JALLY (CAL	ENDAR)	



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8	-	4	6	4	2	-	0	0	1	0	8

Emissio	n Unit Com	pliance (Certifica	ation ⊠ co	ntinuation Shee	t(s)						
				Rule	Citation	. ,						
Title	Туре	Part	Sub Part	Section	Sub Division	Paragra	aph S	Sub Paragraph	Clause	Sub Clause		
6	NYCRR	231	7	5								
	able Federal Req	uirement		/ Requirement		□ Capp	ing					
Emission U	Emission nit Point	Process	Emission Source		AS No.			Contaminant N	lame			
G - 0000)4			0NY075 -	02 - 5			PM 2.5				
				Monitorir	ng Information							
Interm	uous Emission M ittent Emission Te nt Air Monitoring	onitoring esting		☐ Mon ☐ Work ☐ Reco	itoring of Process Practice Involving rd Keeping/Mainte	or Control g Specific (enance Pro	Device P Operation ocedures	Parameters as Si ns	urrogate			
				De	scription							
Previous Co	ondition #45 Th	is condition	ı was fulfill	led as part c	of initial Title V	permit is	sued in	2016.				
upsets. This limit is In the event NYSDEC ma average of th PM2.5 emiss the performance Any adjustm be considere of 6 NYCRR	BACT under Par that during com ay adjust each e ne three stack to sion limits canno nce compliance testing shall no ent to the PM10 d an administra 201-6.6(c) or (c	t 231-7.6. bliance performission limit est runs of not exceed 205 testing data to be consideremission limitive amendments.	rmance tes upward at a less than 1 5 tpy. The n . The exceed red violation red violation it for Unit G nent as defin Part 621 or	ting it would a level not to I hour sampli ew limits can edance of the perr G-00004, maded at 6 NYC	de in accordance CRR 201-6.6(b)	hat the Pondard device the test rushed base 205 tpy the with the	ermittee viations a un). The ed on the nat may c	cannot meet t above the mea new (adjusted e NYSDEC's a occur during th	he 151.7 in (which) annual li nd EPA's e initial co	tpy limit, the is the imit of total review of ompliance graph, will		
Work Practi	ce Code	1	Process	Material Description				Reference Te	est Method	ı		
туре	Code	+		Description				40 CFR 60 A				
		_						40 OFR 00 A	ים מווע ו	ı		
	Code	Pa 	rameter	Description	cription Manufacturer Name/Model No.							
	Lim						Limit Un					
	Jpper	<u> </u>	Lower	Code				escription is per year				
	151.7			38			ton	is per year				
	Averaging Metho	d		Monitoring	Frequency			Reporting Re	quirements	s		
Code	Descr		Code		Description	on Code Description						
71	ANNUAL TOTAL MONTHL		14		QUIRED - SEE PER FORING DESCRIPT		14	SEMI-ANNU	JALLY (CAL	ENDAR)		



					DEC)				
8	-	4	6	4	2	-	0	0	1	0	8

Emissic	n Unit Com	pliance	Certifica	ation 🗵 Co	ntinuation Shee	t(s)			
				Rule	e Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	7	5					
	cable Federal Req	uirement		/ Requirement		□ Capping	•		
Emission U	Emission Jnit Point	Process	Emission Source	C/	AS No.		Contaminant N	Name	
G - 000				0NY750 -	00 - 0	CA	RBON DIOXIDE EC		TS
	-			Monitorii	ng Information				
☐ Conti ☐ Interr ☐ Ambi	nuous Emission Mo nittent Emission Te ent Air Monitoring	onitoring sting		☐ Mon ☐ Work ☑ Reco	itoring of Process Practice Involving ord Keeping/Maint	or Control Device Specific Opera enance Procedu	ce Parameters as S itions ires	urrogate	
				De	scription				
Previous C	ondition #47 Th	is conditio	n was fulfill	ed as part o	of initial Title V	permit issued	l in 2016.		
property to one-time Er performed v	minimize fugitive nergy Assessmer	Greenhous it (EA) follow facility com	e Gases (Gl wing the prod missioning a	HGs) from the cedures spec and the repor	e natural gas pip cified in 40 CFR rt will be maintai	peline system. Part 63 Subpa ned on site for	pove ground pipin Additionally, the t art DDDDD, Table Department revious load.	facility will 3. The E	l conduct a A will be
Work Prac			Process	Material					
Type	Code			Description			Reference T	est Method	1
		P	arameter						
	Code			Description			Manufacturer Na	ame/Model	No.
	Lim	it				I Limit	Units		
	Upper		Lower	Code		Liiiii	Description		
	•						•		
	Averaging Metho	d		Monitoring	Frequency		Reporting Re	quirement	s
Code	Descr		Code		Description	Cod		Description	
			14		QUIRED - SEE PER FORING DESCRIPT		4 SEMI-ANNU	JALLY (CAL	ENDAR)



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8	-	4	6	4	2	1	0	0	1	0	8

Emissio	n Unit (Comr	oliance	Certifica	ation 🗷 Co	ntinuation Shee	t(e)			
)	<u> </u>	Jiidi 100	Ooranoc			1(3)			
Title	Typo	-	Part	Sub Part	Section	Citation Sub Division	Dorograph	Sub Paragraph	Clause	Sub Clause
6	Type NYCRF	2	231	7 Sub Part	5ection 5	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
_	licable Feder			•	Requirement		☐ Capping			
	Emi	ssion		Emission			— Сарріпу			
Emission 00	Unit Po	oint	Process	Source	ONY075 -	AS No. 5		Contaminant N PM-10	Name	
G - 00	004							1 101-10		
		-! N4	tat			ng Information	0	- D		
☑ Cont ☑ Inter ☑ Amb	inuous Emis mittent Emis ient Air Moni	sion Mor sion Tes toring	iting		☐ Work ☐ Reco	itoring of Process Practice Involving rd Keeping/Mainte	or Control Devic g Specific Opera enance Procedul	e Parameters as S tions res	urrogate	
					Des	scription				
Previous (Condition #	444 This	s conditio	n was fulfill	led as part o	of initial Title V	permit issued	l in 2016.		
In the even firing natural exceed two period for extending limit of 205 conditions. Any adjusting the consider the first part of the extending the consider the first part of the exception of th	It that during all gas and/o standard co standard co standard co stack test rule hed based of tpy that made an adm	g complor co-firing the series of the series	iance perfing natural ins above the new adjustive IVSDEC's and during the emission line we amendr	ormance tes gas and bio ne mean (wh ted) annual l and EPA's i e initial comp mit for Unit G ment as defii	mass, the N'nich is the avi limit of total F review of the diance perfor G-00004, mad	be determined tySDEC may adject age of the three M10 emission I performance commance testing state in accordance CRR 201-6.6(b)	ust each emissee stack test ruimits cannot expendiance testing thall not be core with the proversity and the	ee cannot meet to sion limit upward ins of no less that acced 205 tpy. The data. The excusidered violation isions of the previous to the requirements.	at a level n 1-hours ne new line edance of the prious para	not to sampling nits can only of the PM10 ermit graph, will
Work Prac				Process	Material					
Туре	(Code			Description			Reference T		1
								40 CFR Ap	p B and F	
	Code		P	arameter	Description			Manufacturer Na	ame/Model	No.
	Unnan	Limit	1	Lauran	Call		Limit	Units		
	Upper 151.7			Lower	Code 38	+	•	Description tons per year		
	101.7				30					
	Averaging				Monitoring	Frequency		Reporting Re		
Code 71	ANINILIAI	Descrip		Code 05		Description MONTHLY	Coc		Description JALLY (CAL	
/ 1		IOTAL R		UO		IVIONIALI	14	SEIVII-ANINI	JALLT (CAL	LIVDAN)



					DEC)				
8	-	4	6	4	2	1	0	0	1	0	8

Emissi	on U	nit Com	pliance	Certifica	ation ⊠ Co	ntinuation Shee	t(s)			
					Rule	Citation				
Title		Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	N	IYCRR	231	7	6					
	licable	Federal Requ	uirement		/ Requirement		Capping	•	•	•
Emission	Unit	Emission Point	Process	Emission Source	C.A	AS No.		Contaminant N	lame	
G - 00	0004				630 -			CARBON MON	OXIDE	
					Monitorir	ng Information				
⊠ Cor □ Inter □ Amb	ntinuous rmittent pient Air	Emission M Emission Te Monitoring	onitoring sting		☐ Mon ☐ Work ☐ Reco	itoring of Process Practice Involving rd Keeping/Mainte	or Control Devic Specific Opera enance Procedu	e Parameters as S tions res	urrogate	
					De	scription				
shutdowns	nonoxi s, malfu	de emissior inctions and	d upsets. Th	nis limit is BA		art 231-7.6 and v		thly shall include ed by a CEMS. T		
Work Prac			•	Process	Material					
Туре		Code			Description			Reference T		
								40 CFR Ap	p B and F	
	Code)	P	arameter	Description			Manufacturer Na	ame/Model	No.
		Lim	it				Limit	Units		
	Uppe			Lower	Code			Description		
	464.8	3			38			tons per year		
	Aver	aging Metho	d		Monitoring	Frequency		Reporting Re	quirement	S
Code		Descri		Code		Description	Cod		Description	
71	AN	INUAL TOTAL MONTHL		01		CONTINUOUS	14	SEMI-ANNU	JALLY (CAL	ENDAR)



					DEC)				
8	-	4	6	4	2	1	0	0	1	0	8

All proposed changes are noted in red font

Emissi	on U	nit Com	ıpliance	Certifica	ation 🗵 Co	ntinuation Sheet	t(s)			
·					Rule	Citation				
Title		Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	N	NYCRR	201	5	4					[
⋉ App	licable	Federal Requ	uirement	☐ State Only	/ Requirement		Capping			
Emission	Unit	Emission Point	Process	Emission Source	CA	AS No.		Contaminant N		
G - 00	0004	<u> </u>	P65	<u> </u>	0NY210 -	00 - 0		OXIDES OF NITE	ROGEN	
					Monitorin	ng Information				
⊠Con □ Inte □ Amb	tinuous rmittent pient Air	Emission Mo Emission Te Monitoring	onitoring esting		☐ Moni ^t ☐ Work☐ Reco	toring of Process Practice Involving rd Keeping/Mainte	or Control Devic Specific Opera enance Procedu	ce Parameters as Si tions res	urrogate	
					Des	scription				
Previous	Condi	tion #1-4								
while firing G-00004 o control equ	j 100% on natu uipmen	natural gas Iral gas and It is operatio	s (process P ending at tho onal. Shutdo	P65) has bee he time when own is define	en approved. S In the Unit has ed as any plar	Startup is define achieved minin	ed as the perio mum generatin of electricity ge	Emissions Startu d beginning with t ig load and the re- eneration while firi	the initial f equired air	firing of Unit pollution

- 2. During startup and shutdown, the Permittee shall:
- a. Minimize the emissions by: 1) operating and maintaining Boiler # 6 and associated air pollution control equipment in accordance with good combustion and air pollution control practices, safe operating practices, and protection of the facility; and 2) implementation of operations and maintenance practices comprised of maintaining a high level of operation time.
- b. Operate continuous emission monitoring system (CEMS), continuous opacity monitoring system, and other continuous monitoring systems and devices required by this permit.
- c. Unless otherwise specified in this permit, comply with all emissions and opacity limits applicable during normal operation.
- 3. The Facility shall record:
- a. The time, date, and duration in hours and minutes;
- b. The heat input rate (MMBtu/hr) of Boiler # 6 that shall be determined based on the actual natural gas consumption and the fuel's heating value (MMBtu/scf) of 1,020E-06 MMBtu/scf.

Additionally, the minimum operating load will be 32 Megawatts.

Work Pract			Process Ma							
Туре	Code		D	escription			Reference Test Method			
							40 CFR App A			
		Para	meter							
	Code		D	escription			nufacturer Name/Model No.			
						Continuous Emission Monitor				
	Limit					Limit Units				
	Upper	Lov	wer	Code		Description				
	242.3				487 pounds per event					
	Averaging Method			Monitoring F	requency	F	Reporting Requirements			
Code	Descript	ion	Code		Description	Code	Description			
63	63 AVERAGING METHOD - 0' SEE MONITORING DESCRIPTION			C	CONTINUOUS	14	SEMI-ANNUALLY (CALENDAR)			



					DEC)				
8	-	4	6	4	2	1	0	0	1	0	8

				0 416	4.									
Emissio	on Unit Co	omp	liance	Certifica	ation 🗵 Co	ntinuation Shee	t(s)							
					Rule	e Citation								
Title	Туре		Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause				
6	NYCRR		201	6										
	icable Federal		ement		Requirement		□ Capping							
Emission	Unit Emissi Unit Poin		Process	Emission Source	CA	AS No.		Contaminant N	lame					
G - 00	004		P65		7664 -	41 - 7		AMMONIA	4					
					Monitorii	ng Information								
⊠Cont □ Inter □ Amb	☐ Monitoring of Process or Control Device Parameters as Surrogate ☐ 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 Previous Condition #1-2													
	Description evious Condition #1-2 mpliance with this limit shall be demonstrated by an Ammonia Continuous Emission Monitoring System (CEMS). The Permittee													
Previous (Description revious Condition #1-2 compliance with this limit shall be demonstrated by an Ammonia Continuous Emission Monitoring System (CEMS). The Permittee all not allow to discharge emissions of ammonia (NH3) into the atmosphere in excess of 20 ppmvd @ 3% O2 (1-hour block													
shall not all														
Work Prac	tice			Process	Material									
Туре	Cod	de			Description			Reference T	est Method					
								40 CFR	App A					
			Р	arameter										
	Code				Description			Manufacturer Na						
					1			Continuous Em	ission ivion	itor				
	Unnor	Limit	T .	Lower	Codo		Limit							
	Limit Units Upper Lower Code Description 20 371 parts per million by volume (dry, corrected to 3% oxygen)													
	Averaging M	ethod			Monitorino	Frequency		Reporting Re	quirement	6				
Code	D	escripti		Code	,	Description	Cod	de	Description	n				
63	AVERAGIN SEE MO DESCI		NG	01		CONTINUOUS	14	SEMI-ANNU	JALLY (CAL	ENDAR)				



					DEC)				
8	-	4	6	4	2	-	0	0	1	0	8

i e									
Emission	on Unit Cor	npliance	Certifica	ation 🗷 Co	ntinuation Shee	t(s)			
				Rule	Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	5	4					
	licable Federal Re			Requirement		□ Capping			
Emission	Emission Unit Point	Process	Emission Source	C	AS No.		Contaminant N	lama	
	004	P65	Source	0NY210 -			OXIDES OF NITE		
					ng Information				
⊠Cont □ Inter □ Amb	inuous Emission N mittent Emission T ient Air Monitoring	Monitoring esting		☐ Mon ☐ Work ☐ Reco	itoring of Process Practice Involving rd Keeping/Mainte	or Control Devic g Specific Opera enance Procedur	e Parameters as Si tions res	urrogate	
				De	scription				
NOx emiss startups, sh NOx CEMS This limit is	nutdowns, malfu S.	nctions or up than the NO	sets. This lin	nit will satisfy irements of 6	LAER regulator NYCRR Part 2	ry requirements 27-2. That beir	only. This limit dos and be demons and the case, only process.	trated thr	ough use of
Work Prac			Process	Material					
Туре	Code			Description			Reference To		ı
							40 CFR	App A	
	Code	P	arameter	Description			Manufacturer Na Continuous Em		
	li	mit				Limit	Units		
Upper Lower Code Description									
	0.0365			7		pound	ds per million Btus		
	Averaging Meth	od		Monitoring	Frequency		Reporting Re	auirement:	s
Code		cription	Code		Description	Cod		Description	
63							ENDAR)		



					DEC)				
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Emissio	on Unit C	omp	oliance	Certifica	ation 🗵 Co	ntinuation Shee	t(s)				
					Rule	e Citation					
Title	Type		Part	Sub Part	Section	Sub Division	Paragraph	Sub F	Paragraph	Clause	Sub Clause
6	NYCRR		231	7	5						
	licable Federa		rement		Requirement		□ Capping				
Emission	Emiss Unit Poi		Process	Emission Source	C.A	AS No.		Co	ntaminant N	lame	
G - 00	004		P65		0NY075 -	02 - 5			PM 2.5		
					Monitorii	ng Information					
□Conti ⊠ Intei □ Amb	inuous Emission rmittent Emission ient Air Monito	on Moni ion Tes oring	itoring ting		☐ Mon ☐ Work ☐ Reco	itoring of Process Practice Involving rd Keeping/Mainte	or Control Devic g Specific Operate enance Procedur	e Paran tions res	neters as Su	urrogate	
					De	scription					,
Previous (Condition #6	5 5									
demonstra must be co of Boiler #6	te compliance empleted with S.	e with iin 180	the PM2.5 days of the	emission ra e beginning (te (comprise of commercia	d of 3 test runs all production of	of not less thar power, but no l	n 1-hou ater tha	ır sampling an 180 day) period p /s after in	er test run), i tial start up
combinatio	or the purposes of this permit: (1) "beginning of commercial production of power" shall mean the first time when Unit#4 (which is imbination of the existing turbine steam generator and Boiler #6) achieves minimum operating load of 40 Megawatts; and (2) steams the setting in operation of an affected facility for any purpose, as defined at 40 CFR 60.2.										
In the event that during compliance performance testing it would be determined that the Permittee cannot meet the 0.00825 lb/l firing natural gas, the NYSDEC may adjust each emission limit upward at a level not to exceed two standard deviations above t mean (which is the average of the three stack test runs of no less than 1 hour sampling period for each test run). The new (adju							oove the				
						s than 1-hour sa Stu. The new lim					
						ne exceedance					
during the	initial complis	porto	nnance co erformanc	mpliance tel	that would	be below 0.021	Jh/MMRtu chal	II not be	uuozoib/n a.consider	ad violatio	at may occur
permit con		лнос р	CHOITHAILO	c testing and	a, triat would	DC DCIOW 0.02 I	ID/IVIIVIDIG SHAI	ii iiot be	o domaider	od violatic	nio or tric
pormit com	antono.										
be conside		nistrativ	ve amendr	nent as defi i	ned at 6 NYC	ide in accordanc CRR 201-6.6(b) : Part 231-11.					
Work Prac	ctice			Process	Material						
Туре		ode			Description			R	Reference Te	est Method	l
40 CFR 60 App A M 5 and 40 CFR 51 M-202							R 51 App M				
			P	arameter							
	Code		 		Description			Manı	ufacturer Na	me/Model	No.
	Upper	Limit	т —	Lower	Code		Limit	Units Descri	ntion		
	0.00825		†	FOME	Z Code		pound		nillion Btus		
Cada	Averaging N		4:	Oc. 1:	Monitoring	Frequency	2 -		eporting Re		
Code 08		Descrip		Code 14	AQ DE	Description OUIRED - SEE PER	MIT 14		SEMI-ANNU	Description	
00	1 11001	₹/₹V ⊑P\/	TOE	14		TORING DESCRIPT			OCIVII-/AININO	MELT (OME	EINDAIN)



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Emissio	on Unit Con	npliance	Certifica	ation 🗵 Co	ntinuation Shee	rt(s)						
		_		Rule	Citation							
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause			
6	NYCRR	231	7	5								
	icable Federal Red	uirement		Requirement		☐ Capping			I			
Emission	Emission Unit Point	Process	Emission Source	C	AS No.		Contaminant N	Jame				
	004	P65	Source	0NY075 -			PM-2.5	varrie				
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	inuous Emission M	onitoring			•	or Control Devi	na Darametere as S	turrogate				
□Interr □ Amb	inuous Emission M nittent Emission Te ient Air Monitoring	sting		☐ Work ☐ Reco	Practice Involving rd Keeping/Mainte	g Specific Opera enance Procedu	ce Parameters as S tions res	urrogate				
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Proposed	New Condition	to replace (Condition #6	35	· ·							
•	/hile firing natural gas only emissions of PM-2.5 from Unit G-00004 must not exceed 0.00825 lb/MMBtu. Based on initial and annual stack test											
results in 20 less than 1- To demonst meter will re accordance	/hile firing natural gas only emissions of PM-2.5 from Unit G-00004 must not exceed 0.00825 lb/MMBtu. Based on initial and annual stack test esults in 2017, 2018, and 2019 demonstrates that the Facility is in compliance with the PM-2.5 emission rate (comprised of 3 test runs of not ess than 1-hour sampling period per test run). To demonstrate ongoing compliance with the PM-2.5 emission limitation, the Facility will use a continuous flow meter. The continuous flow meter will record stack flow as a surrogate to PM-2.5 emissions as measured during previous stack tests. The flow meter will be maintained in accordance with manufacturer's specifications. In the event that the continuous flow meter is nonoperational for an extended period of time (14 onsecutive operating days), the Facility will perform a Method 9 test.											
Work Prac			Process	Material								
Туре	Code			Description			Reference T	est Method	1			
	Octo	P	arameter	D			Managaran		NI -			
Code Description Manufacturer Name/Model No. Continuous Emission Monitor												
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	Lin Upper	nit T	Lower	Code	Limit Units Code Description							
	0.00825		LOWOI	7	1	poun	ds per million Btus	;				
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Code 08	1-HOUR AVE	ription RAGE	Code 09		Description ANNUALLY	Co.		Description JALLY (CAL				
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Emissio	n Unit Com	pliance (Certifica	ation ⊠ Co	ntinuation Shee	et(s)			
		•			e Citation	. ,			
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragra	h Clause	Sub Claus
6	NYCRR	231	7	5	202 211101011	. u.ug.up			1 0 0 0 0 0 0
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- 000	04	P65		0NY075 -	00 - 5		PM	₩	
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				De	scription				
emonstrate the conference of the event of th	natural gas only compliance with appleted within 18 persons of this persons of the existing to etting in operation that during the incream (which is the eyels of total PM-and EPA's revieweur during the initial the permit conditions.	n the PM 10 of 0 days of the onit: (1) "begin urbine steam on of an affect itial compliants, the NYSDI of average of 10 emission of the perfotial compliants	emission rate beginning of cor- generator sted facility nee performed the three stems of three stems of the three stems of three stems of the three stems of	nte (comprise of commercial mmercial pro- and Boiler #6 for any purpo nance testing just each em tack test run- ot exceed 0.1 mpliance tes	ed of 3 test runs ial production of duction of powe 5) achieves minese, as defined it would be devission limit upwes of no less than 021 lb/MMBtu. ting data. The e	of not less that fpower, but no or shall mean the imum operating at 40 CFR 60.2 termined that the ard at a level no 1 hour samplithe new limits exceedances of	n 1 hour samplater than 180 he first time was load of 40 M2. he Permittee of to exceed the exceeded to exceeded the exceeded to exceede the exceeded to exceeded the	ling period days after i nen Unit #4 egawatts; ar annot meet ve standard each test rui tablished ba nit of 0.0082	which is the 0.00824 deviations n). The new ased on the 5-lb/MMBtu
e consider f 6NYCRR	nent to the PM 10 ed an administra 201-6.6(c) or (dempliance testing ice Code	tive amendm), 6 NYCRR F	ent as defi Part 621 or emissions f	ned at 6 NYC 6 NYCRR P	CRR 201-6.6(b) art 231-11.	and not subjec	t to the requir	ements for n	nodification
	-	Pai	rameter				4.4		11 **
	Code	rai	เฉเบเรเรเ	Description				Name/Mode	
				ī			Continuous	Emission Mo	nitor
	Lim					Limit	Units		
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•) .00825			7	1	poun	ds per million l	tus	
	Avoragina Matta	٠		Monitoria	Fragueray		Danarti-	Poquiromas	to
Code	Averaging Metho Descr		Code	IVIOTIILOTING	g Frequency Description	Cod		Requiremen Descripti	
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Emissic	n Unit Com	pliance	Certifica	ation ⊠ co	ntinuation Shee	t(s)			
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Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	7	5					
Appl	cable Federal Req	uirement		Requirement		□ Capping	I		<u>,</u>
Emission l	Init Emission Point	Process	Emission Source	C	AS No.		Contaminant N	lame	
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Proposed	New Condition t	o replace (Condition #6	36	•				
less than 1-l To demonst meter will re accordance	nour sampling per rate ongoing comp cord stack flow as	od per test rolliance with the a surrogate is specification.	un). he PM-10 em to PM-10 em ons. In the ev	nission limitati issions as me vent that the c	on, the Facility wi easured during prontinuous flow m	ill use a continue revious stack tes	on rate (comprised ous flow meter. Th sts. The flow mete ational for an exter	e continuo r will be m	ous flow aintained in
Work Prac			Process	Material					
Туре	Code			Description			Reference To	est Method	i
		P	arameter	<u> </u>				/8.4	
Code Description Manufacturer Name/Model No. Continuous Emission Monitor									
		<u>_</u>				1		ISSISTI WIST	1101
	Lim Upper	iit	Lower	Code	1	Limit	Units Description		
	0.00825		201101	7		pound	ds per million Btus		
	Averaging Metho	d		Monitorino	Frequency		Reporting Re	quirement	s
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Title	Type NYCRR	231	Sub Part 7	Section 5	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
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× Appl	icable Federal Red Emission	uirement	Emission	/ Requirement		☐ Capping			
Emission l		Process	Source	C/	AS No.		Contaminant N		
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				Monitori	ng Information				
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				De	scription				
Previous (Condition #67								
with the PN 180 days of For the pur combination means the Additional of	l emission rate (f the beginning o poses of this per	comprised of f commercia mit: (1) "beg curbine stear on of an affe g for PM en	f 3 test runs Il production inning of cor n generator octed facility nissions from	of not less the of power, but the mercial produced and Boiler #6 for any purpor Unit G-0006	tan 1 hour samp t no later than 1 duction of powe 6) achieves mini ose, as defined 04 will be condu	oling period per 80 days after t r" shall mean t mum operatino at 40 CFR 60.:	stack test to dem r test run), must b the initial startup of he first time wher g load of 40 Mega 2.	e comple of Boiler # Unit #4	ted within t6. (which is the
Work Prac	tice		Process	Material					
Туре	Code			Description			Reference T	est Method	Ľ
						40-4	CFR App A M-5 ar	d 40 CFF	51 App M
		Р	arameter						
	Code	<u> </u>		Description			Manufacturer Na	ame/Mode	No.
Continuous Emission Monitor								iitor	
	Lir	nit				Limit	t Units		
	Upper		Lower	Code			Description		
	0.002			7		poun	ds per million Btus	·	
Averaging Method Monitoring Frequency Reporting Requirements									
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08	1-HOUR AVE	RAGE	09		ANNUALLY	14	4 SEMI-ANNU	JALLY (CAL	ENDAR)



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Emissio	n Unit Com	pliance (Certifica	ation ⊠ Co	ntinuation Shee	t(s)				
				Rule	Citation					
Title	Type	Part	Sub Part	Section	Sub Division	Paragra	ph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	7	5						
	cable Federal Requ	uirement (Requirement		□ Cappir	ng			
Emission U	Emission nit Point	Process	Emission Source	C	AS No.			Contaminant N	lame	
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Proposed I	lew Condition t	o replace Co	ondition #6	67	•					
results in 20° not less than To demonstr meter will red in accordance	atural gas only fro 17, 2018, and 201 1-hour sampling ate ongoing comp ord stack flow as e with manufactur ive operating days	9 demonstrate period per tes liance with the a surrogate to er's specifica	es that the F et run). e particulate o particulate tions. In the	emission lim emissions as event that the	empliance with the itation, the Facility measured during continuous flow	e particulat ry will use a g previous	e emise a contin stack t	sion rate (compr luous flow meter ests. The flow m	ised of 3 t . The cont eter will b	test runs of tinuous flow e maintained
Work Pract			Process	Material						
Туре	Code			Description				Reference Te	est Method	ı
	Codo	Pa	rameter	Description				Manufacturar Na	ma/Madal	No
Code Description Manufacturer Name/Model No. Continuous Emission Monitor										
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	0.002			7		ŗ	oounds	per million Btus		
	Averaging Method	1		Monitoring	Frequency			Reporting Re	auirements	s
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Emission	on U	nit Com	ıpliance	Certifica	ation 🗵 Co	ntinuation Shee	t(s)			
					Rule	Citation				
Title		Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	N	YCRR	231	7	6					
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Emission	Unit	Emission Point	Process	Emission Source	C/	AS No.		Contaminant N	lame	
	0004		P65		630 -	08 - 0		CARBON MON		
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on a 24-ho	ons sha our weig	all not exce	average. T	he previously	y permitted E		ppm was unatt	rage. This equate tainable concurre		
Work Prac				Process						
Туре	-	Code			Description			Reference To		1
								40 CFR	App A	
	Code		P	arameter	Description			Manufacturer Na Continuous Em		
		Lim	it				Limit	Units		
	Upper			Lower	Code			Description		
	0.075				7		pound	ds per million Btus		
	Avera	aging Metho	d .		Monitoring	Frequency		Reporting Re	quirement	s
Code		Descri		Code	•	Description	Cod		Description	
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All proposed changes are noted in red font

Emissi	Emission Unit Compliance Certification Continuation Sheet(s)											
					Rule	e Citation						
Title		Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
6	N'	YCRR	201	5	4							
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Emission Unit Point Process Source CAS No. Contaminant Name												
G - 00	0004		P75		0NY210 -	00 - 0		OXIDES OF NITI	ROGEN			
					Monitorii	ng Information						
⊠Cont □ Inter □ Amb	tinuous I rmittent pient Air	Emission Mo Emission Te Monitoring	onitoring sting		☐ Mon ☐ Work ☐ Reco	itoring of Process Practice Involving ord Keeping/Mainte	or Control Device g Specific Opera enance Procedu	ce Parameters as Si itions res	urrogate			
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Previous Condition #1-5

NOx Emissions from Startup (SU) and shutdown (SD) events shall be limited to 242.3 pounds per SU or SD event until such time that fifteen startups and fifteen shutdowns of Emission Unit G-00004 have occurred. Startup (SU) is defined as the period beginning with the initial firing of Unit G-00004 and ending at the time when the Unit has achieved minimum generating load and the required air pollution control equipment is operational. Shutdown (SD) is defined as any planned cessation of electricity generation. The SU/SD Plan shall include the following minimum information:

- 1. The duration of each startup and each shutdown event shall not exceed 12 hours.
- 2. During startup and shutdown, the Permittee shall:
- a. Minimize the emissions by: 1) operating and maintaining Boiler # 6 and associated air pollution control equipment in accordance with good combustion and air pollution control practices, safe operating practices, and protection of the facility; and 2) implementation of operations and maintenance practices comprised of maintaining a high level of operation time.
- b. Operate continuous emission monitoring system (CEMS), continuous opacity monitoring system, and other continuous monitoring systems and devices required by this permit.
- c. Unless otherwise specified in this permit, comply with all emissions and opacity limits applicable during normal operation.
- 3. The Facility shall record:
- a. The time, date, and duration in hours and minutes;
- b. The heat input rate (MMBtu/hr) of Boiler # 6 that shall be determined based on the actual natural gas consumption and the fuel's heating value (MMBtu/scf) of 1,020E-06 MMBtu/scf.

Within 30 days of completing the required number of SU and SD events Greenidge shall submit to the Department a revised SU/SD Plan that includes a revised NOx emission limit in pounds per event during startup and shutdown along with a table that summarizes the NOx emission data from each event and the minimum generating load recorded.

The SU/SD Plan will establish the facility's long-term minimum electrical generation in Megawatts (MW). Until such time that the Revised SU/SD Plan has been developed and submitted to the Department for review and approval, the minimum generating load will be set at 30 MW (330 MMBtu/hr). The SU/SD NOx emission limit will be revised only if the supporting data indicates that a higher limit is needed. In no event will the revised SU/SD per event limit exceed 1,072.3 lb/event

Work Practi			Process Ma						
Туре	Code		D	escription			Reference Test Method		
							40 CFR App A		
		Parar	meter						
	Code		D	escription		Manufacturer Name/Model No.			
						Со	ntinuous Emission Monitor		
	Limit					Limit Units			
	Upper	Lov	wer	Code			ription		
	242.3			487		pounds per event			
	Averaging Method			Monitoring Frequency			Reporting Requirements		
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Emission	Unit	Emission Point	Process	Emission Source	CA	S No.		Contaminant N	lame	
3 - 0	0004		P75		-	-				
					Monitorin	g Information				
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					Des	scription				
Previous	Condi	tion #69								
	Condi									

The Permittee shall inspect each delivery upon receipt and during unloading for any materials or items that are not authorized by this

If any such materials are identified those materials must be removed and the supplier be notified. Those materials must be disposed following the plan approved by NYSDEC.

The Permittee shall develop a plan that shall explicitly identify the procedures that should be used to manage and dispose those materials that were identifies as not permitted for combustion. This plan shall be approved by NYSDEC.

The Permittee shall maintain records of: (1) documentation from the suppliers and (2) the amount of removed/rejected materials, and the reason for rejection.

Biomass Specifications: For the purposes of this permit biomass shall consist of: clean unadulterated wood, including unadulterated kiln-dried wood, and resinated wood.

Clean unadulterated wood can include items specified in the definition unadulterated wood in NYSDEC Policy DAR-3: wood that is not painted or treated with chemicals such as glues, preservatives or adhesives. Any painted wood or chemically treated wood (e.g., pressure treated wood, treated railroad ties) or wood containing glues or adhesives (e.g., plywood, particle board) is considered adulterated wood.

Resinated wood can include items specified in NYSDEC Policy DAR-3 for particle board. Particle board shall be considered to consist of particle board from all different sources, except if the particle board has been coated with chemical adulterants other than the glues used to manufacture it (e.g., paints or other treatments). Particle board laminated with unadulterated wood or paper shall also be included in this category."

Work Practice)		Process Ma				
Type	Code			escription			Reference Test Method
		Parar					
Co	ode			escription		Ma	nufacturer Name/Model No.
	Limit					Limit Units	
Up	oper	Lov	ver	Code		Desc	cription
А	veraging Method			Monitoring F	requency		Reporting Requirements
Code							Description
	14 AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION					14	SEMI-ANNUALLY (CALENDAR)



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Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	5	4			Ĭ .		
	cable Federal Re	quirement		/ Requirement		□ Capping	I.		<u>,</u> !
Emission U	nit Emission	Process	Emission Source	CA	AS No.		Contaminant I	Name	
G - 000		P75		0NY210 -			OXIDES OF NIT		
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Previous C	ondition #71				·				
facility is co- Continuous event that the data supplied the NYSDE 1-hour test recombination the stack test This change prior to the continuous Any adjustments and up- Any adjustments and up- Considered of NYCRR 201 This limit is	firing natural gacompliance will be CEMS outlet d by the initial of may adjust the uns. The new (of natural gas st results and Coin the permit in the permit in the permit in the NOx an administrative of (c) or (d), 6 more stringent to (LAER) is incompliance.	as and up to 1 be demonstra data collected compliance pe is NOx emissi adjusted) leve and up to 19% EMS outlet da hay be accom I compliance pe s) shall not be emission limit the amendment NYCRR Part than the NOx	9% biomas ated by use d by the Pererformance from limit upwel of NOx en biomass. The biomass ata. The biomass ata ata a performance considered to for Unit G-transperformance to a defined a 621 or 6 NRACT requirement to average at the biomass at t	s. This limit of a NOx CE rmittee befor testing indica vard at a leven ission limit of The new limit in the new limit at extention of 00004, made at 6 NYCRF YCRR Part 2 irements of 6	does not apply de EMS. The average the date of the ates that the Perel not to exceed cannot exceed 0 t can only be es. The exceedance, which would be the permit core in accordance 8 201-6.6(b) and 231-11.	luring start up, ging period for e initial complia mittee cannot two standard of 0.08 lb/MMBtu, tablished base sees of the NOx pe below 0.08 laditions. with the provisit not subject to 227-2. That bei	able Emission Rashutdown, malfulathis limit is 1 blooming and performance meet the 0.058 lbdeviations above while the boiler is and on the NYSDE limit of 0.058 lb/lb/MMBtu (for a company of the previous the requirement of the case, only process.	nction and ck-hour pure testing of b/MMBtu I the mean is fired on iC and EP MMBtu the combination ous parages is for mod	d upsets. eriod. In the or the actual NOx limit, n of the three a PA's review of at may occur on of natural graph, will be lifications of 6
Type	Code		Process	Description			Reference T	est Metho	d
7,							40 CFR 6		
		Pa	rameter						
	Code	1 0		Description			Manufacturer N		
							Continuous Em	ission Mor	nitor
		mit				Limit	t Units		
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	υ.υ ວ δ			/		pouri	as per million blus	,	
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Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	5	4	CGD DIVIDION	raragraph	Cub i diagraph	Oladoo	Cub Clause
⊠ Appli	cable Federal Reg	uirement	☐ State Only	Requirement		☐ Capping			
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Emission U		Process P75	Source	ONY210 -	AS No.		Contaminant N OXIDES OF NITE		
G - 000	J04	173			33		OXIDEO OF THIT	(OOLIV	
					ng Information				
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				De	scription				
Previous C	Condition #70				'				
This limit do requirement	es not apply duri	ing start up, art 227-2. T	shutdown, r	nalfunction, a e case, only	and upsets. This	limit is more s	ng natural gas and etringent than the on (LAER) is inclu	NOx RAC	CT
Work Pract			Process	Material					
Туре	Code			Description			Reference Te		
							40 CFR 6	0 App A	
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	0.05		Lowei	7		pound	ds per million Btus		
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Emission	on Unit Com	npliance	Certifica	ation 🗵 Co	ntinuation Shee	t(s)			
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Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	7	5					
⋉ App	licable Federal Req Emission	uirement	☐ State Only Emission	Requirement		□ Capping			
Emission	Unit Point	Process	Source	CA	AS No.		Contaminant N	lame	
G - 00	004	P75		0NY075 -	02 - 5		PM 2.5		
1				Monitorii	ng Information				
□Cont ⊠ Inte □ Amb	nuous Emission Mo mittent Emission T ient Air Monitoring	onitoring esting		☐ Mon ☐ Work ☐ Reco	itoring of Process Practice Involving rd Keeping/Maint	or Control Devic g Specific Opera enance Procedui	e Parameters as S tions res	urrogate	
				De	scription				
Previous	Condition #72								
per test rur power, but For the pur combination means the In the ever Ib/MMBtu of standard of test run). The established NYSDEC's may occur violations of Any adjust be consider of 6 NYCRR 20 Additional	o demonstrate con, must be compino later than 180 poses of this per nof the existing the setting in operation of the existing that during the inco-firing natural greviations above the new (adjusted and EPA's revied during the initial of the permit condition of the PM2. The during the initial of the permit condition o	eted within days after the days and biomore mean (who) levels of the days after t	180 days of ihe initial startinning of corning enerator ected facility ance performass, the NYS hich is the avoidal PM2.5 errormance concerformance imit for Unit ment as definated as the emissions from the initial process.	ntroduction of tup of Boiler mmercial pro and Boiler #6 for any purponance testing SDEC may a verage of the mission limits mpliance testing and, G-00004, maned at 6 NYC YCRR Part 2 for Unit G-0	of biomass co-fir #6. duction of powe 6) achieves minipose, as defined a git would be det djust each emis three stack tests cannot exceed ting data. The each that would be bude in accordance CRR 201-6.6(b) 231-11.	ring for the purporting for the purporting for the purporting at 40 CFR 60.2 termined that the sion limit upwast runs of no less 0.0419 lb/MM elow 0.0419 lb and not subject.	poses of commer ne first time when g load of 40 Mega 2. ne Permittee can rd at a level not t s than 1-hour sar Btu. The new limi the PM2.5 limit of /MMBtu shall not visions of the pre-	unit #4 (awatts; and o exceed appling period of 0.031 lb be considured paragraphs)	which is the d (2) startup the 0.031 two riod for each ly be b/MMBtu that dered
Work Prac			Process	Material			Deference T	aat Matha	
Туре	Code			Description		40.00	Reference T		
						40 CI	FR 60 App A M-5 a	and 40 CF	K 51 App M
	Code	P	arameter	Doscription			Manufacturar Na	mo/Madal	No
	Code			Description			Manufacturer Na Continuous Em		
	Lin	nit				Limit	Units		
	Upper		Lower	Code		LIIIIL	Description		
	0.031			7		pound	ds per million Btus		
	Avoraging Moths	.d		Monitorina	Fragueray		Poporting Do	auiromont	
Code	Averaging Metho		Code	INIOIIIOIIIQ	Frequency Description	Cod	Reporting Re	Quirement Description	
08	1-HOUR AVE		14		QUIRED - SEE PER	RMIT 14			



	DEC ID											
8	-	4	6	4	2	1	0	0	1	0	8	

Emissic	on Unit Co	mpliance	Certifica	ation 🗷 Co	ntinuation Shee	et(s)			
_	<u> </u>			Rule	e Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	7	5		<u> </u>	_		
⋉ Appl	icable Federal R			/ Requirement		□ Capping	<u></u>		
Emission l	Emissic Jnit Point	Process	Emission Source	C/	AS No.		Contaminant N		
G - 000	004	P75		0NY075 -	00 - 0		PARTICULA	ES	
				Monitori	ng Information				
□Contii ⊠ Inter □ Ambi	nuous Emission mittent Emissior ent Air Monitorir	Monitoring Testing g		☐ Mon ☐ Work ☐ Reco	itoring of Process Practice Involving ord Keeping/Maint	or Control Devic g Specific Opera enance Procedu	ce Parameters as Si itions res	urrogate	
				De	scription				
Previous (Condition #73				001111111111111111111111111111111111111				
initial stack period per t days after in For the pure combination means the Additional of This conditi	test to demon- est run), must nitial startup of poses of this p n of the existin setting in oper- compliance tes on will also sa	strate complia be completed Boiler #6. ermit: (1) "beg g turbine stea ation of an affe ing for PM en	nce with the within 180 d ginning of corm generator ected facility nissions from tements of 6	PM emission lays of the beammercial pro and Boiler #6 for any purpo Unit G-0000 NYCRR Par	n rate (comprise eginning of comr duction of powe 6) achieves mini ose, as defined 04 will be condu	d of 3 test runs mercial product r" shall mean to imum operating at 40 CFR 60.2	4 must not excee s of not less than tion of power, but he first time when g load of 40 Mega 2.	1-hour sa not later Unit #4 (mpling than 180 which is the
Work Prac			Process	Material			Defenses T		
Туре	Code	;		Description			Reference To		
							40 CFR 60 A	App A M-5	5
		F	Parameter						
	Code			Description			Manufacturer Na	me/Model	No.
		imit			_	Limit	Units		
	Upper		Lower	Code		noun	Description Ptus		
	0.01			7		poun	ds per million Btus		
	Averaging Me	hod		Monitorino	Frequency		Reporting Re	auirement	s
Code	l De	scription	Code		Description	Cod	de	Description	on
00	1 HOLID A	VEDACE	00		ANINILIALLY	1/	1 CEMI ANNII	IALLY (CAL	ENDAD)



DEC ID
8 - 4 6 4 2 - 0 0 1 0 8

									1		
Emission	Unit Com	pliance	Certifica	ation ⊠ co	ntinuation Shee	t(s)					
				Rule	Citation						
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
6	NYCRR	231	7	5							
	able Federal Req	uirement	☐ State Only	/ Requirement		□ Capping	I.	I.			
Emission Ur	Emission it Point	Process	Emission Source	CA	AS No.		Contaminant N	lama			
G - 0000		P75	Source	0NY075 -	00 - 5		PM-10	varrie			
0 0000		-			ng Information	ı					
□Continu	ous Emission Mo	nitoring		1	<u> </u>	or Control Devi	ce Parameters as S	urronate			
Interm In	ous Emission Mo ittent Emission Te	esting		☐ Work	Practice Involving	g Specific Opera	ce Parameters as S ations	urrogate			
☐ Ambier	□ Ambient Air Monitoring □ Record Keeping/Maintenance Procedures										
	Description										
Previous Co	ndition #74										
							ed 0.031 lb/MMBt				
							than 1-hour samp				
		nin 180 days	of the begin	nning of com	mercial producti	on of power, b	out no later than 1	80 days a	after initial		
startup of Bo											
							the first time wher				
							g load of 40 Mega	awatts; an	d (2) startup		
					se, as defined			44	H 0 004		
							he Permittee can				
							d at a level not to hour sampling pe				
							v limits can only b				
							nces of the PM-1				
							below 0.0419 lb/l				
	olations of the			oo pononna	ioo tooting ana,	and would be	201011 0:0110 12/1	minDta oi	idii iiot bo		
				G-00004. ma	de in accordance	ce with the pro	visions of the pre	vious par	agraph, will		
							ct to the requirem				
of 6 NYCRR	201-6.6(c) or (d), 6 NYCRR	Part 621 or	6 NYCRR P	art 231-11. `	•	•				
Additional co	mpliance testing	for PM-10	emissions fi	rom Unit G-0	0004 will be cor	iducted annua	ılly.				
Work Practic			Process	Material							
Туре	Code			Description			Reference T	est Method	t		
						40 C	FR 60 App A M-5	and 40 CF	R 51 App M		
		Pa	rameter								
	Code			Description			Manufacturer Na	ame/Mode	No.		
ļ	Lim		011/07	Code	1	Lim	t Units				
	Jpper),031		Lower	Code 7		pour	Description nds per million Btus	<u> </u>			
	0.001			′		Poul	iao poi milion blue	* 			
	Averaging Metho			Monitoring	Frequency		Reporting Re	quirement	s		
Code	Descr	iption	Code		Description		de	Description			
08	1-HOUR AVE	RAGE	09		ANNUALLY	1	4 SEMI-ANNI	JALLY (CAL	ENDAR)		



DEC ID
8 - 4 6 4 2 - 0 0 1 0 8

Emissio	n Unit Com	ıpliance	Certifica	ation ⊠ Co	ntinuation Shee	t(s)			
				Rule	e Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	7	6					
	cable Federal Req	uirement	☐ State Only	/ Requirement		☐ Capping	l		
	Emission		Emission				2		
Emission U		Process	Source		AS No.		Contaminant N CARBON MON		
G - 000	04	P75	<u> </u>	630 -	00 0		CARDON MON	OVIDE	
				Monitorir	ng Information				
Interm	nuous Emission Mo nittent Emission Te ent Air Monitoring	onitoring esting		■ Work	itoring of Process Reprectice Involving Ord Keeping/Mainte	g Specific Operat	e Parameters as S tions res	urrogate	
				De	scription				
Previous C	ondition #77				· · ·				
to 19% biom Permittee be performance cannot meet exceed two initial compli- volume, whito on the NYSI exceedance performance (for a combi- Any adjustm considered a	nass. This equate efore the date of e evaluation as ret the 0.075 lb/MN standard deviation as firm the boiler is firm DEC and EPA's es of the CO limit e testing required nation of natural tent to the CO er	es to 0.075 the initial coequired by EMBtu CO BAons above to the center of the conference of the conference of 0.075 lb/d by this per gas and up mission limite amendmen	Ib/MMBtu on ompliance pe EPA), which i ACT limits, Nother average of the new (adjumbination of recembs out a MMBtu and armit for other to 19% biomet for Unit G-0 nt as defined	a 24-hour berformance to is required by YSDEC may of the CO CE usted) CO enatural gas a let data. This 100 ppm by pollutants are nass) shall not 10004, made I at 6 NYCRF	plock average. In esting (provided y the permit for a dijust each one MS outlet data and up to 19% bis change in the poolume that may not, which would not be considered in accordance we 201-6.6(b) and	the event that that the Permitother pollutants of the CO emcollected by the annot exceed 0 tomass. The nepermit may be a yoccur prior to be below 0.15 d violations of the total that the provision of the total that the total that the total that the provision of the total that the t	rage while cofiring the CEMS outlet ttee has conducted, would indicate hissions limits upware Permittee before accomplished additional the date of the interpretations of the previous the requirements	data colled the CE that the Fe vard at a te the date and 200 pp be estabilitial components.	ected by the EMS Permittee level not to e of the om by dished based vely. The pliance by volume aph, will be
Work Pract			Process				Deference T	+ Matha	
Туре	Code	+		Description			Reference T		1
							40 CFR 6	0 App A	
		P	Parameter						
	Code			Description			Manufacturer Na		
							Continuous Em	ission Mor	iltor
	Lim	nit				Limit	Units		
	Upper		Lower	Code			Description		
	0.075			7		pound	ds per million Btus	i	
	Averaging Metho			Manitarina	- Fraguesay		Reporting Re	auiromont	-
Code	Averaging Methor		Code	Monitoring	g Frequency Description	Coc		Descripti	
63	AVERAGING ME SEE MONITO DESCRIPT	ETHOD - ORING	01		CONTINUOUS	14			



					DEC)				
8	-	4	6	4	2	1	0	0	1	0	8

Emissio	on Un	it Com	pliance	Certifica	ation 🗷 Co	ntinuation Shee	rt(s)					
					Rule	e Citation						
Title	T	уре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
6	NY	'CRR	231	7	6							
⋉ App	licable F	ederal Requ	uirement		/ Requirement		☐ Capping					
Emission		Emission Point	Process	Emission Source	C/	AS No.		Contaminant N	lame			
G - 00	0004		P75		630 -	08 - 0		CARBON MON	OXIDE			
					Monitori	ng Information						
⊠Cont □ Inter □ Amb	☑ 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											
	Description											
CO emissio	Previous Condition #78 CO emissions shall not exceed 100 ppm by volume at 3% O2 on a 30-operating day weighted block average while co-firing natural gas and up to 19% biomass. This equates to 0.075 lb/MMBtu on a 30-operating day weighted block average.											
Work Prac	ctice			Process	Material							
Type		Code			Description			Reference T	est Method	d		
								40 CFR 6	0 App A			
	0 1		P	arameter	5							
	Code				Description			Manufacturer Na Continuous Em				
		Limi	i+				Limit	Units				
	Upper	LIIII	1	Lower	Code		LIIIII	Description				
	0.075				7		pound	ds per million Btus	i			
	Avera	ging Method	d		Monitoring	Frequency		Reporting Re	quirement	s		
Code		Descri	ption	Code		Description	Cod	de	Description	on		
63		ERAGING ME SEE MONITO DESCRIPTI	RING	01		CONTINUOUS	14	SEMI-ANNU	JAL <mark>LY (CAL</mark>	ENDAR)		



	DEC ID											
8	-	4	6	4	2	-	0	0	1	0	8	

			All propo	sed chang	es are noted	in red font			
Emissio	on Unit Co	mpliance	Certifica	ntion ⊠ Co	ntinuation Shee	t(s)			
				Rule	Citation				
Title	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	NYCRR	231	7	6					
	licable Federal Re			Requirement		□ Capping			
Emission	Emissior Unit Point	Process	Emission Source	CA	S No.		Contaminant N	Name	
G - 00	004	P75		0NY075 -	00 - 0		PARTICULA	TES	
				Monitorir	ng Information				
□Conti □ Inter □ Amb	nuous Emission Mittent Emission ient Air Monitorin	Monitoring Testing g		☐ Moni ☐ Work ☑ Reco	toring of Process Practice Involving rd Keeping/Maint	or Control Device Specific Opera enance Procedu	ce Parameters as S tions res	urrogate	
				De	scription				
Leak detec	ly operate a Ba	g Leak Detec	tion System;	Each Bag Le	eak Detection Sy	ystem must be	nstall, calibrate, r installed, operate		
The Bag Lowith a devi- The Bag Lowin	eak Detection S ce to continuous eak Detection S	ystem sensor sly record the ystem must b	must provide output signa e equipped v	e output rela I from the se vith an alarm	nsor. system that wil	particulate ma	ndation. tter loadings, and atically when an i t is easily heard b	ncrease i	n relative
lf an alarm				de to determ		f the alarm. Vi	sual inspections s	shall be co	onducted as

request.
This condition also satisfies the requirements of 6 NYCRR Part 227-1.

Work Practice			Process Ma							
Туре	Code		D	Description			Reference Test Method			
		Param								
Co	ode		ט	Description Manufacturer Name/Model No.						
	Limit			Limit Units						
Up	oper	Low	wer Code			Description				
Α	veraging Method			Monitoring Fi	requency	F	Reporting Requirements			
Code	Descripti	on	Code		Description	Code	Description			
			14	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION		13	QUARTERLY (CALENDAR)			



					DEC)				
8	-	4	6	4	2	1	0	0	1	0	8

Emissio	on I Ini	Com	nlianco	Cortifica	ation = 0	ntinuation Shee	4/->					
	וווט וונ	Com	pilarice	Certifica		Citation Snee	et(S)					
Title	Tyr	e I	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
6	NYC		231	7	6	CGD DIVIDION	raragraph	oub i diagrapii	Olddoo	Cub Cidaco		
× App	licable Fed	eral Regu	irement	☐ State Only	Requirement		☐ Capping					
	E	mission		Emission			_ =					
Emission		Point	Process P75	Source	-	AS No.		Contaminant PARTICULA				
G - 00	004		F/3		0NY075 -	00 - 0		FARTICULA	IILO			
						ng Information						
Inter	inuous Em mittent Em ient Air Mo	ission Tes	nitoring sting		☐ Mon ☐ Work ☑ Reco	itoring of Process Practice Involving ord Keeping/Maint	or Control Devic g Specific Opera enance Procedu	ce Parameters as S itions ires	Surrogate			
						scription						
Previous (Condition	#76				20						
oressure e	xceeded t e excursio	he permi	itted levels d; the caus	. For each su se of the excu	uch period, thursion; and the	ne owner or open ne corrective act	rator shall state tion taken to re	periods where the e the time the execurs esolve the excurs rt 227-1 and 40 (cursion co			
Work Prac	ctice			Process	Material							
Туре		Code			Description			Reference 7	Test Method	t		
								40 CFR 60 Appe	ndix A, Me	thod 5		
	Code 96		P	arameter	Description RESSURE DE	OP		Manufacturer N	ame/Mode	No.		
		Limi	t			-	Limit	Units				
	Upper		<u>. </u>	Lower	Code		<u> </u>	Description				
	10.0			3.0	284		i	nches of water				
	Averaging Method				Monitorina	Frequency		Reporting R	eguirement	s		
Code	, s. agii	Descri		Code		Description	Co	de	Description	on		
9N	OUT	GE-NOT TO SIDE OF S' E EXCEPT	TATED	03		DAILY	14 SEMI-ANNUALLY (CALENDAR)					



	DEC ID													
8	-	4	6	4	2	-	0	0	1	0	8			

Emission Un	Emission Unit Description Continuation Sheet(s)												
EMISSION UNIT	G	-	0	0	0	0	5						
Miscellaneous proc	ess	em	issi	on s	our	ces							

Building = c	continuation Sheet(s)			
Building	Building Name	Length (ft)	Width (ft)	Orientation
HMILL	HAMMER MILL			

Emission Poi	Emission Point□ Continuation Sheet(s)													
EMISSION PT.														
Ground Elev.	Height	Height Above	Inside Diameter	Exit Temp.	Cross	Section								
(ft)	(fť)	Height Above Structure (ft)	(in)	(°F) '	Length (in)	Width (in)								
451	23	-10	64	60										
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal								
1	1066	340.321	4727.002	HMILL										

Emissio	n Sou	rce/Contro	Ol 🗆 Contir	uation Shee	t(s)			
Emission	Source	Date of	Date of	Date of		Control Type		
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
BAG08	K				016 FABRIC FILTER		Ur	nspecified bag house manufacturer
Design		Design Ca	pacity Units		Waste Feed			Waste Type
Capačity	Code	_	Description		Code Description			Description
Emission	Source	Date of	Date of	Date of		Control Type		
ID	Type	Construction	Operation	Removal	71		Manufa	cturer's Name/Model No.
HMILL	_							Hammer Mill
Design	J	Design Ca	pacity Units			Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
,			•					
Emission	Source	Date of	Date of	Date of		Control Type		
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
WPILE	İ					•		wood storage pile
Design		Design Ca	pacity Units			Waste Feed		Waste Type
Capačity	Code		Description		Code	Description	Code	Description
	·							



DEC ID													
8	-	4	6	4	2	1	0	0	1	0	8		

Process Information □ c	ontinuation Sheet((s)			
EMISSION UNIT G - 0	0 0 0 5				PROCESS B I O
		Desc	ription		
Previous Condition #37.3					
Biomass handling, storage, and	processing.				
Source Classification	Total 1	Γhruput		Thruput Qu	uantity Units
Code (SCC)	Quantity/Hr	Quantity/Yr	Code		Description
3-05-103-99					
D. Confidential		Operating	Schedule		
☐ Confidential☐ Operating at Maximum	Capacity	Hrs/Day	Days/Yr	Building	Floor/Location
☐ Activity with Insignifican					
		Emission Poi	nt Identifier(s)		
	E	mission Source/0	Control Identifier(s	s)	
WPILE					

Process Info	ormation	☐ Conf	tinuatio	n Sheet((s)							
EMISSION UN	IT G - (0 0	0 0	5					PROCESS	М	-	S
					Desc	ription						
Previous Cond	lition #37.4											
General Process	s emission s	ources	s associ	ated wit	h Biomass (wood	l) handling and p	rocessing.					
Source Cla	esification			Total 1	hruput		Thruput Qı	uantity L	Jnits			
Code			Quant	ity/Hr	Quantity/Yr	Code		Des	cription			
3-99-9	99-99											
□ Confidor	atiol				Operating	Schedule						
☐ Confider☐ Operatin	าแลเ ng at Maximu	um Cai	pacity		Hrs/Day	Days/Yr	Building		Floor/Locati	on		
	with Insignific			S								
					Emission Poi	nt Identifier(s)						
00005												
				E	mission Source/0	Control Identifier	(s)					
BAG08	HMILL											



	DEC ID														
8	1	4	6	4	2	1	0	0	1	0	8				

					Emission Unit Applicable Federal Requirements Continuation Sheet(s)									eet(s)
Eı	mission Unit	Emission Point	Process	Emission Source	Title	Туре	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
	-													

			Emission Unit State Only Requirements Continuation Sheet(s)									
Emission Unit	Emission Point	Emission Source		Туре	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
-												
-												



	DEC ID													
8	-	4	6	4	2	1	0	0	1	0	8			

Emission	on U	nit Com	pliance	Certifica	ation 🗷 Co	ntinuation Shee	t(s)						
			<u> </u>			e Citation	()						
Title		Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause			
6	N	YCRR	201	6									
	e Fede	ral Requirem	ent 🗆 S	tate Only Req	uirement		☐ Capping		1				
Emission	l Init	Emission Point	Process	Emission Source	C	AS No.		Contaminant N	Jame				
	005	1 Ont	1100033	Cource	O/	-10 110.		Contaminant rains					
0 - 00	000				Monitori	ng Information							
- Con	tinuouo	Emission Ma	nitoring				or Control Doy	ion Daramatara an Si	ırrogoto				
☐ Inter ☐ Amb	mittent pient Air	Emission Mo Emission Te Monitoring	sting		☐ Work ☑ Reco	Practice Involving ord Keeping/Maint	g Specific Ope enance Proce	ice Parameters as Su rations dures	urrogate				
Description													
Previous C	onditi	on #79											
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		of 6 NYCRR	R Part 212 ar	•		conditions are be	yond what Pa	rt 212 would typical	ly require.				
Work Prac	ctice	Code	1	Process	Material Description			Reference T	est Method	1			
туре		Code			กระเป็นเกม			Reletence I	est MEHIOC	1			
			P	arameter									
	Code	1			Description			Manufacturer Na	ame/Model	No.			



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	Limit			Limit Units						
	Upper	Lov	ver	Code	de Description					
	Averaging Method			Monitoring F	requency	Reporting Requirements				
Code	Descripti	on	Code		Description	Code	Description			
			14		IRED - SEE PERMIT RING DESCRIPTION	14	SEMI-ANNUALLY (Calendar)			

on U	nit Com	pliance	Certifica	ation ⊠ Co	ntinuation Shee	t(s)						
				Rule	Citation							
	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause			
N	YCRR	212	1	6	а							
e Fede		ent 🔲 S		uirement		□ Capping						
Unit	Emission Point	Process	Emission Source	CA	AS No.		Contaminant N	lame				
G - 00005												
				Monitorii	ng Information							
□ Continuous Emission Monitoring □ Intermittent Emission Testing □ Ambient Air Monitoring □ Ambient Air Monitoring □ Continuous Emission Monitoring □ Monitoring of Process or Control Device Parameters as Surrogate □ Work Practice Involving Specific Operations □ Record Keeping/Maintenance Procedures												
Description												
owner greate daily ob nented	or operator r from any p oservation o	orocess emi of equipmen	ssion source t operation. , g.	e or emissior Any observe	point, except for	or the emission	of uncombined v	vater. Mo	nitoring shall			
ctice		1	Process									
	Code			Description								
							40 CFR 60 Appe	endix Meth	od 9			
Codo		P	arameter	Description			Manufacturar Na	····a/Madal	No			
							Manuiacturei iva	ime/iviouei	NO.			
UI	1 ::	:4		OI AOITT		Linait	. I Indian					
Upper		<u> </u>	Lower	Code		Limit						
20				136			percent					
Aver	aging Method	d t		Monitorina Frequency			Reporting Requirements					
Code Description Code												
18 6-MINUTE AVERAGE 14 AS REQUIRED - SEE PERMIT 14 SEMI-ANNUALLY (Calendar) MONITORING DESCRIPTION												
	None Feder Unit 2005 tinuous rmittent oient Air Owner greate daily other ted ottoe 01 Upper 20 Aver	Type NYCRR le Federal Requirem Unit Emission Point 0005 tinuous Emission Mormittent Emission Te oilent Air Monitoring Condition #80 owner or operator greater from any position of the posi	Type Part NYCRR 212 le Federal Requirement Semission Unit Point Process 0005 tinuous Emission Monitoring Process 0005 tinuous Emission Monitoring Process Condition #80 Condition #80 owner or operator shall cause greater from any process emidally observation of equipment pented in semiannual reporting ctice Code Code Decorption Limit Upper 20 Averaging Method Description 6-MINUTE AVERAGE	Type Part Sub Part NYCRR 212 1 le Federal Requirement State Only Req Unit Point Process Source Unit Point Process Source Unit Point Process Source Condition #80 Con	Rule Type Part Sub Part Section NYCRR 212 1 6 Re Federal Requirement State Only Requirement Unit Point Process Source CA D005 Monitoring Trinituous Emission Monitoring Trinitent Emission Testing Dient Air Monitoring Trinitent Emission Testing De Condition #80 Owner or operator shall cause or allow emissions having Greater from any process emission source or emission daily observation of equipment operation. Any observemented in semiannual reporting. Ctice Process Material Code Description Parameter Code Description OPACITY Limit Upper Lower Code Averaging Method Monitoring Description Code 6-MINUTE AVERAGE 14 AS REC	Rule Citation Type Part Sub Part Section Sub Division NYCRR 212 1 6 a le Federal Requirement State Only Requirement Unit Emission Process Source CAS No. Monitoring Information	Type	Rule Citation Type	Rule Citation Type Part Sub Part Section Sub Division Paragraph Sub Paragraph Clause NYCRR 212 1 6 a			



	DEC ID													
8	-	4	6	4	2	1	0	0	1	0	8			

				All propo	sed chang	ges are noted	in red font			
Emission	on U	nit Com	ıpliance	Certifica	ation ⊠ Cc	ontinuation Shee	et(s)			
					Rule	e Citation				
Title	igsquare	Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	N	IYCRR	231	7	1 '	1 '			'	
Applicable Applicable	ie Fede	eral Requirem	ient 🗆 S	State Only Requ	uirement		☐ Capping			
Emission	Unit	Emission Point	Process	Emission Source	C/	AS No.		Contaminant N	Name	
G - 00	0005									
					Monitorir	ng Information				
☐ Cont☐ Inter☐ Amb	tinuous rmittent pient Ai	s Emission Mo t Emission Te r Monitoring	onitoring esting		☐ Monit☐ Work☐ Reco	toring of Process of Practice Involving ord Keeping/Maint	or Control Device g Specific Opera enance Procedu	ce Parameters as Su ations ures	ırrogate	
					De	escription				
Previous (Condi	tion #81								
Air Pollutio demonstra The Permit particulate •Fabric Filt	on Equi ated by ittee sh e emissi ter for t	ipment Com the followin hall install ar sions resultin the wood ha	npliance with ng the estab nd continuoung from the ammer mill	h PSD regula blished operat usly operate	ations for the ting and worl and maintair ndling, storag	k practices	ing, storage, ar	nd processing sys		

The pressure drop (inches of column water) across the fabric filter controlling the wood hammer mill and the bin vent filter controlling the wood conveyance system shall be maintained within a range of 1 to 5 inches while the emission unit is in operation.

The permittee shall continuously monitor the pressure drop across each bin vent filter and the fabric filter.

The wood conveyors and the conveyor transfer points shall be enclosed, sealed, and kept under negative pressure.

The Permittee shall maintain and inspect the bin vent filters and the fabric filter following the manufacturer recommendations.

The fabric filter bin vent filter and shall be provided with adequate access for inspection.

The hours of operation for each the fabric filter and the bin vent filter are limited to 2,088 hours per year, respectively 8 hours per day from 10:00 AM to 5:00 PM on weekdays.

Emissions Limitations

The emissions of PM, PM10, and PM2.5 from the exhaust of each the fabric filter and the bin vent filter controlling the wood hammer mill and the wood conveyance system shall not exceed the following limits for each BACT pollutant:

•PM BACT emissions limit: 0.0005 lb/hr •PM10 BACT emissions limit: 0.0003 lb/hr

•PM2.5 BACT emissions limit: 0.00004 lb/hr

•PM, PM10 and PM2.5 BACT emissions shall include only filterable particulate matter.

Visible Emissions – Opacity: Biomass Handling, Storage, and Processing System

The opacity of emissions from the exhaust of the fabric filter and bin vent filter controlling the wood hammer mill and the wood conveyance system shall not exceed an opacity equal to or greater than 20% opacity (based on six minute average) except for the emissions of uncombined water. This is a BACT requirement.

Initial Compliance Test: The Permittee shall conduct initial compliance performance testing for visible emissions no later than 180 days from startup of the biomass handling, storage, and processing system.

Subsequent Compliance Tests: The Permittee shall conduct performance testing for visible emissions on a quarterly basis.

Reference Test Method: Method 9

Work Practice	Э		Process Ma	aterial					
Туре	Code			escription		ı	Reference Test Method		
		Parar							
C	ode			escription		Man	ufacturer Name/Model No.		
	Limit			Limit Units					
U	pper	Lov	wer	Code	Description				
A	Averaging Method			Monitoring F	requency	Reporting Requirements			
Code	Descripti	ion	Code	Description		Code	Description		
	•		14		IRED - SEE PERMIT	14	SEMI-ANNUALLY (Calendar)		
				MONITORING DESCRIPTION					



DEC ID												
8	-	4	6	4	2	-	0	0	1	0	8	

All proposed changes are noted in red font

Section IV - Emission Unit Information

Emission Unit Description Continuation Sheet(s)											
EMISSION UNIT	G	-	0	0	0	0	8				
Process operation	s ass	soci	atec	d wit	h th	ne a	que	eous urea system.			

Building = c	continuation Sheet(s)			
Building	Building Name	Length (ft)	Width (ft)	Orientation
BOILER	BOILER BUILDING			

Section IV - Emission Unit Information (continued)

Emissio	Emission Source/Control Continuation Sheet(s)												
Emission	Source	Date of	Date of	Date of		Control Type							
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	acturer's Name/Model No.					
TNK08	- 1							Urea storage tank					
Design		Design Ca	pacity Units			Waste Feed		Waste Type					
Capacity	Code		Description		Code	Description	Code	Description					



				DEC)				
8	4	6	4	2	-	0	0	1	0	8

Process Information ⊠ Co	ntinuation Sheet	(s)										
EMISSION UNIT G - 0 0	0 0 8				PROCESS P 8 U							
Description												
Previous Condition #37.5												
Aqueous urea system												
Source Classification Total Thruput Thruput Quantity Units												
Code (SCC)	Quantity/Hr	Quantity/Yr	Code	Code Description								
3-99-999-99												
□ Confidential		Operating	Schedule									
☐ Confidential ☐ Operating at Maximum C	apacitv	Hrs/Day	Days/Yr	Building	Floor/Location							
☐ Activity with Insignificant				BOILER								
		Emission Poi	nt Identifier(s)									
	E	mission Source/0	Control Identifier(s)								
TNK08												



DEC ID
8 - 4 6 4 2 - 0 0 1 0 8

Emission Uni	Emission Unit Description Continuation Sheet(s)									
EMISSION UNIT	O		F	Α	В	Α	Τ			
This emission unit is disposal system.	nclu	des	all	pro	ces	s e	miss	ion sources and emission points of the fly and bottom ash handling, storage, and		

uation Sheet(s)		_	_
Building Name	Length (ft)	Width (ft)	Orientation

Emission Poi	nt Continue	ion Chaat(a)				
EMISSION PT.	0 0 0 0 9	ion sneet(s)				
Ground Elev.	Height	Height Above	Inside Diameter	Exit Temp.	Cross S	Section
(ft)	(fť)	Structure (ft)	(in)	(°F)	Length (in)	Width (in)
	80				46	46
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		340.346	4727.025			
EMISSION PT.	0 0 0 1 0					
Ground Elev.	Height	Height Above	Inside Diameter	Exit Temp.	Cross S	
(ft)	(ft) 80	Structure (ft)	(in)	(°F)	Length (in)	Width (in)
F 11/1 11		NIVERA (E)	NIVERA (NIV		46	46
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		340.346	4727.025			
EMISSION PT.	0 0 0 1 1					
Ground Elev.	Height	Height Above	Inside Diameter	Exit Temp.	Cross S	
(ft)	(ft) 57	Structure (ft)	(in)	(°F)	Length (in)	Width (in)
Exit Velocity	Exit Flow	NYTM (E)	NYTM (N)		Distance to	Date of
(FPS)	(ACFM)	(KM)`´	(KM)`´	Building	Property Line (ft)	Removal
		340.346	4727.025			
EMISSION PT.	0 0 0 1 2		<u> </u>			
Ground Elev.	Height	Height Above	Inside Diameter	Exit Temp.	Cross S	
(ft)	(fť) 57	Structure (ft)	(in)	(°F)	Length (in)	Width (in)
- 1111	-		10/2014 (10)		30	30
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		340.346	4727.025			
EMISSION PT.	0 0 0 1 3					
Ground Elev.	Height	Height Above	Inside Diameter	Exit Temp.	Cross S	
(ft)	(ft)	Structure (ft)	(in) 48	(°F)	Length (in)	Width (in)
	90					
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		340.346	4727.025			



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8 - 4 6 4 2 - 0 0 1 0 8

Fmissic	n Sou	ırce/Contro	O Conti	nuation Shee		e noted in red ron		
Emission S			Date of	Date of	I	Control Type	1	
ID	Type	Date of Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
BAG10	K	OOHOLI GOLIOH	Орогацоп	rtomovai	016	FABRIC FILTER	Wanaia	Bag House
	K	Docian Co	pacity Units		010	Waste Feed		Waste Type
Design Capacity	Code		Description		Code	Description	Code	Description
Capacity	Code		Description		Code	Description	Code	Description
Emission S	Source	D	Date of	Date of		Control Type		
ID	Type	Date of Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
BIN01	K	Constituction	Operation	rtomovai	016	FABRIC FILTER	Widifala	Bag House
	IX	Docian Co	pacity Units		010	Waste Feed		Waste Type
Design Capacity	Code		Description		Code	Description	Code	Description
Capacity	Couc		Description		Couc	Description	Oodc	Description
- Emission (Course		D-44	D-44		Control Turns		
Emission S ID		Date of	Date of	Date of Removal	Code	Control Type Description	Monufo	acturer's Name/Model No.
	Туре	Construction	Operation	Removai			Mariura	-
BIN02	K	<u> </u>			016	FABRIC FILTER		Bag House
Design	0 1		pacity Units			Waste Feed		Waste Type
Capacity	Code	l	Description		Code	Description	Code	Description
						0 1 1 7		
Emission S		Date of	Date of	Date of	0-1-	Control Type	J	- 4 v' - NI /NA - al - I NI -
ID	Туре	Construction	Operation	Removal	Code	Description	Manuta	cturer's Name/Model No.
BIN03	K				016	FABRIC FILTER		Bag House
Design			pacity Units			Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
Emission S	Source	Date of	Date of	Date of		Control Type		
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
BIN04	K		•		016	FABRIC FILTER		Bag House
Design		Design Ca	pacity Units	l .	0.0	Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
Capacity	000.0		2 0 0 0 p o		0000	2 5551,5451		2 000111711011
Emission S	Source	Detect	Date of	Date of		Control Type		
ID	Type	Date of Construction	Operation	Removal	Code	Description	─ Manufa	cturer's Name/Model No.
VENT1	1 9 0 0	Corlotadoloti	Operation	rtomova	Jour	Becompach	Mariara	Ash Silo Vent
Design	•	Design Ca	pacity Units			Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
Capacity	Oodc		Description		Couc	Везоприон	Oode	Везоприон
Fusianian (Carraa		D ((D ((Control Turns		
Emission S ID		Date of	Date of Operation	Date of	Code	Control Type Description	Monufo	acturer's Name/Model No.
	Type	Construction	Operation	Removal	Code	Description	Mariura	
VENT2		D: O -				\Mt- -		Ash Silo Vent
Design	0-1-		pacity Units		0-1-	Waste Feed	0-1-	Waste Type
Capacity	Code	l	Description		Code	Description	Code	Description
								
Emission S		Date of	Date of	Date of	L	Control Type	⊣. , .	. , ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
VENT3								Ash Silo Vent
Design			pacity Units			Waste Feed		Waste Type
Capacity	Code	[Description		Code	Description	Code	Description
Emission S	Source	Date of	Date of	Date of	,	Control Type		
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
VENT4	1							Ash Silo Vent
Design		Design Ca	pacity Units	•		Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
Emission		Date of	Date of	_Date of		Control Type		
ID	Туре	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
VENT5	1							Ash Silo Vent
Design		Design Ca	pacity Units	•		Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
						-		-



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Process Infor	mation⊠ co	ontinuation Sheet	<u>(s)</u>									
EMISSION UNIT	G - F A	B A H				PROCE	SS F B A					
Description												
Previous Conditi	ion #37.5											
Fly ash and bottor	m ash handling.											
Source Clas	Source Classification Total Thruput Thruput Quantity Units											
Code (S	Code (SCC) Quantity/			Code	Description							
3-05-10	2-99											
☐ Confidenti	ial		Operating	Schedule								
	ıaı ⊢at Maximum C	apacity	Hrs/Day	Days/Yr	Building	ocation						
	th Insignificant I											
			Emission Poil	nt Identifier(s)								
00013	00012	00011	00010	00009								
		E	mission Source/0	Control Identifier(s)							
BAG10	BIN01	BIN02	BIN03	BIN04	VENT1	VENT2	VENT3					
VENT4	VENT5											



	DEC ID										
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				Emission Unit Applicable Federal Requirements Continuation Sheet(s)							eet(s)		
Emission Unit	Emission Point	Process	Emission Source	Title	Туре	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

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



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All proposed changes are noted in red font

Г.,,;,,,;	Emission Unit Compliance Certification Continuation Sheet(s)											
Emissi	Emission Unit Compliance Certification action Sheet(s)											
	Rule Citation											
Title		Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
6	N	YCRR	231	7								
☑ Applicab	☑ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping											
Emission	Unit	Emission Point	Process	Emission Source				Contaminant N				
G - FA	BAH											
					Monitori	ng Information						
□ Con □ Inte □ Amb	tinuous rmittent pient Air	Emission Mo Emission Te Monitoring	onitoring sting		 □ Monitoring of Process or Control Device Parameters as Surrogate □ Work Practice Involving Specific Operations ☑ Record Keeping/Maintenance Procedures 							
	Description											

Previous Condition #82

Ash Handling, Storage, and Disposal System-BACT Limits

The combustion of biomass (unadulterated and resinated wood) in Boiler #6 would result in the formation of bottom and fly ash.

A. Fly Ash Handling, Storage, and Disposal System

Description

The fly ash handling, storage and disposal system shall include the following air pollution equipment and emissions limitations.

1. Air Pollution Equipment

Compliance with PSD regulations for the fly ash handling, storage, and disposal system shall be demonstrated by the using the following BACT, operating and work practices. The Permittee shall install and continuously operate and maintain the following air pollution control equipment for the control of particulate emissions resulting from the fly ash handling, storage, and disposal system:

Two Bin Vent Filters for the Day Fly Ash Silo 1 and Day Fly Ash

Two Bin Vent Filters (Bin Filter #1 and #2) for the Main Fly Ash Silo.

One Fabric Filter for the Main Fly Ash Silo.

- a. The nameplate capacity of each of the bin vent filters controlling the Day Fly Ash Silo 1 and Silo 2 shall not exceed a maximum design inlet gas air flow rate of 100 actual cubic feet per minute (acfm).
- b. The nameplate capacity of the Bin Vent Filter #1 controlling the Main Fly Ash Silo shall not exceed a maximum design inlet gas air flow rate of 1,000 actual cubic feet per minute (acfm).
- c. The nameplate capacity of each the fabric filter, and the Bin Vent Filter #2 shall not exceed a maximum design inlet gas air flow rate of 1,600 actual cubic feet per minute (acfm).
- d. The pressure drop (inches of column water) across each bin vent filter shall be maintained within a range of 1 to 5 inches while the emission unit is in operation.
- e. The pressure drop (inches of column water) across the fabric filter shall be maintained within a range of 1 to 6 inches while the emission unit is in operation.
- f. The permittee shall continuously monitor the pressure drop across each bin vent filter and the fabric filter.
- g. Each bin vent filter and the fabric filter shall be designed to achieve a particulate matter emission rate of 0.01 grains/dscf or less. Compliance with this requirement shall be demonstrated based on the manufacturer's written guarantees.
- h. The fly ash conveyors and the conveyor transfer points shall be enclosed, sealed, and kept under negative pressure.
- i. All fly ash shall be conditioned prior to transfer for disposal.
- i. The Permittee shall maintain and inspect the bin vent filters and the fabric filter following the manufacturer recommendations.
- k. The bin vent filters and the fabric filter shall be provided with adequate access for inspection.
- l. The hours of operation for the two Bin Vent Filters for the Day Fly Ash Silos and the Bin Vent Filters for the Main Fly Ash Silo are limited to 8 hours per day from 10:00 AM to 5:00 PM on weekdays.
- 2. Emissions Limitations

The Permittee shall not discharge or cause to discharge emissions into the atmosphere in excess of the following emission limits for the fly ash handling, storage and disposal systems:

- a. The emissions of PM, PM10, and PM2.5 from the exhaust of each bin vent filter controlling the Day Fly Ash Silo 1 and Day Fly Ash Silo 2 shall not exceed the following limits for each BACT pollutant:
- •PM/PM10/PM2.5: BACT emissions limit: 0.01 lb/hr
- •PM, PM10, and PM2.5 emissions shall include only filterable particulate matter.
- b. The emissions of PM, PM10, and PM2.5 from the exhaust of each Bin Vent Filter #2 and the fabric filter shall not exceed the following limits for each BACT pollutant:
- •PM/PM10/PM2.5: BACT emissions limit: 0.14 lb/hr
- •PM, PM10, and PM2.5 emissions shall include only filterable particulate matter.
- c. The emissions of PM, PM10, and PM2.5 from the exhaust of Bin Vent Filter #1 shall not exceed the following limits for each BACT pollutant:
- PM/PM10/PM2.5: BACT emissions limit: 0.09 lb/hr



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All proposed changes are noted in red font

•PM, PM10, and PM2.5 emissions shall include only filterable particulate matter.

3. Visible Emissions – Opacity: Fly Ash Handling, Storage, and Disposal System

The opacity of emissions from the exhaust of the bin vent filters and fabric filter, and from the fly ash conveying system shall not = exceed an average opacity equal to or greater than 20% opacity (based on six minute average), except for the emissions of uncombined water. This is a BACT requirement.

Initial Compliance Test: The Permittee shall conduct initial compliance performance testing for visible emissions no later than 180 days of startup of the fly ash handling, storage, and disposal system.

Subsequent Compliance Tests: The Permittee shall conduct performance testing for visible emissions on a quarterly basis. Reference Test Method: Method 9

B. Bottom Ash Handling, Storage, and Disposal System

1. Description

The bottom ash handling, storage and disposal system air pollution equipment and emissions limitations shall include the following: 2. Air Pollution Equipment

Compliance with PSD regulations for the bottom ash handling, storage, and disposal system shall be demonstrated by the using the following BACT, operating and work practices: Biomass bottom ash is typically consistent with fly ash and will be managed in a manner consistent with the work practices and procedures developed for the fly ash handling and disposal system.

The bottom ash conveyors and the conveyor transfer points shall be enclosed, sealed, and kept under negative pressure.

3. Emissions Limitations

The Permittee shall not discharge or cause to discharge emissions into the atmosphere in excess of the following emission limits for the bottom ash handling, storage and disposal systems:

The emissions of PM, PM10, and PM2.5 from the bottom ash handling, storage, and disposal system shall not exceed the following limits for each BACT pollutant:

PM/PM10/PM2.5: BACT emissions limit: 0.14 lb/hr

PM, PM10, and PM2.5 emissions shall include only filterable particulate matter.

4. Visible Emissions – Opacity: Bottom Ash Handling, Storage, and Disposal System

The opacity of emissions from the exhaust of the bin vent filters and fabric filter, and from the fly ash conveying system shall not exceed an average opacity equal to or greater than 20% opacity (based on six minute average), except for the emissions of uncombined water. This is a BACT requirement.

Initial Compliance Test: The Permittee shall conduct initial compliance performance testing for visible emissions no later than 180 days of startup of the Bottom Ash Handling, Storage, and Disposal System.

Subsequent Compliance Tests: The Permittee shall conduct performance testing for visible emissions on a quarterly basis.

Reference Test Method: Method 9

Work Practice	е		Process Ma	aterial						
Туре	Code			Description		Reference Test Method				
	•	Parai								
C	Code			Manufacturer Name/Model No.						
	Limit					Limit Units				
U	pper	Lov	wer	Code		Descr	ription			
Averaging Method Monitoring Frequency						Reporting Requirements				
Code	Code Description Code				Description	Code	Description			
	•		14		IRED - SEE PERMIT	14	SEMI-ANNUALLY (Calendar)			
				MONITOR	RING DESCRIPTION					



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Emission Unit Description Continuation Sheet(s)
EMISSION UNIT G - F U G T V
This emission unit includes all emission sources and activities at the facility that have the potential to generate fugitive particulate emissions.

Building a	Continuation Sheet(s)			
Building	Building Name	Length (ft)	Width (ft)	Orientation

Emission Poi	nt ⊠ Cont	inuation Sheet(s)				
Ground Elev.	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp.	Cross S Length (in)	Section Width (in)
(ft)	(11)	Otructure (It)	(111)	(1)	Lengur (III)	widti (iii)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		340.346	4727.025			

Emissio	on Sou	rce/Contro	Ol 🗵 Conti	nuation Shee	et(s)			
Emission	Source	Date of	Date of	Date of		Control Type		
ID	Туре	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.
C0601	K					Dust Collector		
C0001	K				016			
Design		Design Ca	pacity Units			Waste Feed		Waste Type
Capacity	Code		Description		Code	Description	Code	Description
		_		•				



					DEC)				
8	1	4	6	4	2	-	0	0	1	0	8

Process Info	rmation □ c	ontinuation Sheet((s)									
EMISSION UNI	T G - F	U G T V				PROCESS F U G						
		Description										
Previous Condi	Previous Condition #37.7											
Miscellaneous fu	gitive sources											
Source Cla	ssification	Total 1	Total Thruput Quantity Units									
Code (Quantity/Hr	Quantity/Yr	Code	Description							
3-99-99	99-99											
☐ Confiden	tial		Operating	Schedule								
	แลเ g at Maximum	Capacity	Hrs/Day	Days/Yr	Building	Floor/Location						
	<i>i</i> ith Insignificar											
		Emission Point Identifier(s)										
		E	mission Source/0	Control Identifier(s)							
FUG01												



					DEC)				
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				Emiss	sion U	nit Appl	icable Fe	deral Requir	ements	☐ Continua	ation Sh	eet(s)
Emission Unit	Emission Point	Emission Source	Title	Туре	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

					Emis	sion U	nit State	e Only Re	equirements	☐ Conti	inuation She	et(s)	
Emission Unit	Emission Point	Process	Emission Source	Title	Туре	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause

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All proposed changes are noted in red font

Emissi	on Ur	nit Comp	liance	Certifica	ation 🗵 Cor	ntinuation Sheet	(s)			
					Rule	e Citation				
Title		Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6	N	IYCRR	231	7						
☑ App	☑ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping									
Emission Emission CAS No. Contaminant Name										
					Monitorin	g 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									

Previous Condition #83

The fugitive emissions of PM, PM10, and PM2.5 from the outdoor biomass storage, enclosed processing buildings, biomass handling, storage, and processing system, fly and bottom ash handling, storage, and disposal systems, and truck traffic on facility roadways shall not exceed the following limits for each BACT pollutant:

- •The fugitive PM emissions shall not exceed 5 tons per year (based on 12-month rolling total).
- •The fugitive PM10 emissions shall not exceed 1.2 tons per year (based on 12-month rolling total).
- •The fugitive dust PM2.5 emissions shall not exceed 0.23 tons per year (based on 12-month rolling total).

Compliance with the fugitive PM, PM10, and PM2.5 BACT emissions limits shall be determined by using the emission factors, equations, and assumptions in Section 13.2.1 of the AP-42 Emission Factors, January 2011, for paved roadways. These emission limits shall be determined based on the actual vehicle miles traveled on site per day, actual number of days of operation per year, and 80% control efficiency for PM, PM10 and PM2.5 from using dust suppression measures specified in this permit.

Visible Emissions - Opacity: Fugitive Particulate Emission Sources

The Permittee shall not discharge or cause to discharge into the atmosphere visible emissions from any fugitive emission source having an opacity equal to or greater than 20% opacity (based on six minute average) except for one continuous six-minute period per hour of no more than 57% opacity. This is a BACT requirement.

Initial Compliance Test: The Permittee shall conduct initial compliance performance testing for visible emissions no later than 180 days of startup of the facility and its fugitive emission sources.

Subsequent Compliance Tests: The Permittee shall conduct performance testing for visible emissions on a quarterly basis.

Reference Test Method: Method 22

Control Measures-Fugitive Particulate Emission Sources

The control measures to minimize the facility's fugitive particulate emission sources, shall include, but not be limited to, the following operating and work practices measures. These control measures constitute BACT requirements for the fugitive particulate emissions for this facility.

Maintaining all facility paved roads and parking areas in good conditions. All other areas of the facility site shall be landscaped, to the maximum extent possible, using grass, shrubs, and trees.

Maintaining the unpaved roads from the facility to the ash landfill and the ash landfill in good conditions to the maximum extent possible. Maintain the outdoor biomass storage piles and limiting the speed of trucks as appropriate to minimize fugitive emissions to the maximum extent possible.

Treating the paved roadways, parking areas, exterior and interior of the buildings and other areas as necessary by sweeping, vacuuming, and /or watering at sufficient treatment frequencies to minimize the fugitive dust emissions to the maximum extent possible.

The Permittee shall perform daily inspections of each of the roadway segments and parking areas to determine the need for implementing the fugitive dust control measures. These inspections shall be performed during representative normal traffic conditions.

All delivery vehicles, including but not limited to, clean unaltered wood and resinated wood, ash delivery vehicles shall be enclosed and covered to prevent release.

All biomass delivery vehicles shall be unloaded in enclosed storage areas (buildings), as much as possible.

All vehicles leaving the facility that are used for transporting materials likely to become airborne shall be enclosed or covered to prevent release.

All processing and blending activities of the biomass shall be done in enclosed buildings.

In order to prevent the fugitive particulates emissions from the biomass storage activities, the biomass shall be stored in enclosed buildings as much as possible.

In order to prevent the fugitive particulate emissions from the biomass unloading, storage, processing system and from the fly and bottom ash handling, storage, and disposal system, the Permittee shall (1) maintain all enclosed buildings under negative pressure (as appropriate); and (2) operate the particulate air pollution controls at all times the respective emission sources are in operation.

The Permittee shall ensure that the doors from the biomass handling, storage, and processing buildings remain closed to the maximum extent possible using good engineering design.

The Permittee shall perform the following:

Daily checks for any visible fugitive emissions from the facility processing buildings windows, doors, and roof monitors.

Weekly inspection of all the processing buildings to ensure that:

All access doors that are capable of being closed are closed; and

As required elsewhere in the permit all conveyors shall be fully enclosed, and all fabric filters, and bin vent filters shall be operational at all times as prescribed by the manufacturers.

If visible emissions are observed as a result of any of the above-specified inspections, the Permittee shall take corrective actions as soon as possible, to minimize and eliminate the visible emissions.

Notwithstanding the fugitive particulate emissions control measures specified in this permit, the Permittee may employ additional control measures to prevent fugitive particulate emissions from becoming airborne and causing the discharge of visible emissions of fugitive particulate emissions beyond the property line.

The facility will develop and maintain a Fuel Yard Fire Prevention and Control Plan. The Plan will be maintained on site and available for review upon request.

The requirements of 6 NYCRR Part 212 are effectively met as these conditions are beyond what Part 212 would typically require.



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Work Praction	ce		Process Ma	aterial					
Туре	Code			Description		F	Reference Test Method		
		Para	meter						
-	Code			Description		Man	ufacturer Name/Model No.		
	Limit					Limit Units			
Į	Upper	Lov	wer	Code		Descr	ription		
	Averaging Method			Monitoring Fr	equency	F	Reporting Requirements		
Code	Descript	on	Code		Description	Code	Description		
			14	AS REQUI MONITOR	RED - SEE PERMIT ING DESCRIPTION	14	SEMI-ANNUALLY (CALENDAR)		



DEC ID
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All proposed changes are noted in red font

Section IV - Emission Unit Information

Emission Unit Description Continuation Sheet(s)
EMISSION UNIT G - X E M P T
This emission unit includes the following exempt sources: Emergency Diesel Generator , Emergency Diesel Fire Pump, and the Natural Gas
Heater and their associated emission points.
There are three processes associated with this emission unit:
Process EGN: Emergency Generator
Process DFP: Diesel Fire Pump
Process NGH: Natural Gas Heater

Building = c	ontinuation Sheet(s)			
Building	Building Name	Length (ft)	Width (ft)	Orientation

EMISSION PT.	0 0 0 2 1					
Ground Elev.	Height	Height Above	Inside Diameter	Exit Temp.	Cross	Section
(ft)	(ft)	Structure (ft)	(in)	(°F)	Length (in)	Width (in)
	25		6			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		340.346	4727.025			
EMISSION PT.	0 0 0 2 2					
Ground Elev.	Height	Height Above	Inside Diameter	Exit Temp.	Cross	Section
(ft)	(fť)	Structure (ft)	(in)	(°F) .	Length (in)	Width (in)
	25		6			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		340.346	4727.025			
EMISSION PT.	0 0 0 2 3					
Ground Elev.	Height	Height Above	Inside Diameter	Exit Temp.	Cross	Section
(ft)	(fť)	Structure (ft)	(in)	(°F) .	Length (in)	Width (in)
	15		20			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		340.346	4727.025			



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Emissio	on Sou	ırce/Contro	O Contir	nuation Shee	t(s)					
Emission		Date of	Date of	Date of	-(-)	Control Type				
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.		
DFP01	G							Diesel Fire Pump		
Design		Design Ca	pacity Units			Waste Feed	Feed Waste Type			
Capacity	Code		Description		Code	Description	Code	Description		
Emission	Source	Date of	Date of	Date of		Control Type				
ID	Type	Construction	Operation	Removal	Code	Description	escription Manufacturer's Name/Model			
EGN01	С						Er	mergency Generator		
Design		Design Ca	pacity Units			Waste Feed		Waste Type		
Capacity	Code	ا	Description		Code	Description	Code	Description		
375	471	brak	e horsepowe	r						
Emission	Source	Date of	Date of	Date of		Control Type				
ID	Type	Construction	Operation	Removal	Code	Description	Manufa	cturer's Name/Model No.		
NGH01	С						1	Natural Gas Heater		
Design		Design Ca	pacity Units			Waste Type				
Capacity	Code		Description		Code	Description	Code	Description		



					DEC)				
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Process Informatio	n 🗆 Co	ntinuation Sheet(s)								
EMISSION UNIT G -	XE	M P T				PROCESS D F P					
			Desc	ription							
Previous Condition #37	7.8										
Diesel Fire Pump											
Source Classificatio	nn.	Total T	hruput		Thruput Qua	antity Units					
Code (SCC)											
2 02 001 02											
☐ Confidential			Operating	Schedule							
☐ Confidential ☐ Operating at Maxi	imum C	apacity	Hrs/Day	Days/Yr	Building	Floor/Location					
☐ Activity with Insign											
			Emission Poi	nt Identifier(s)							
00022											
		E	mission Source/0	Control Identifier(s)						
DFP01											

										=
Process Info	ormation □ c₀	ntinuation Sheet(s)							
EMISSION UN	IT G - X E	M P T				Р	PROCESS	Е	G N	N
			Desc	ription						
Previous Cond	lition #37.9									
Emergency Ger	nerator									
Source Cla	assification	Total T	hruput		Thruput Qua	antity Unit	ts			
Code (SCC)		Quantity/Hr	Quantity/Yr	Code		Descrip	otion			
2-02-0	001-02									
D Canfida	-4: -1		Operating	Schedule						
☐ Confider☐ Operatir	าแลเ ng at Maximum C	apacity	Hrs/Day	Days/Yr	Building	I	Floor/Locati	ion		
☐ Activity	with Insignificant	Emissions								
			Emission Poi	nt Identifier(s)						
00021										
		E	mission Source/0	Control Identifier(s)					
EGN01										



					DEC)				
8	1	4	6	4	2	1	0	0	1	0	8

Process Ir	nformati	on □ Co	ntinuation	Sheet	(s)								
EMISSION L	JNIT G	- X E	M P 1	Г							PF	OCESS	N G H
						D	escription	า					
Previous Co.	ndition #3	7.10											
Natural Gas Heater													
0	Ol :t: 1			Total	Thruput				Thr	uput Qu	antity Units		
	Classificat le (SCC)	ion	Quantit	v/Hr	Quar	ntity/Y	r	Code		•	Descripti	on	
1-05-001-06													
			l		(Operat	ing Sch	edule					
☐ Confid	dential iting at Ma	vimum C	anacity			/Day	<u> </u>	Days/Yr	Build	ding	FI	oor/Loca	tion
			apacity Emissions							,		-	
	Emission Point Identifier(s)												
00023													
				Е	mission	Sour	ce/Contr	ol Identif	ier(s)				
NGH01													
					Emiss	sion U	nit Appl	icable Fe	deral Requir	ements	☐ Continu	ation Sh	eet(s)
													,
Emission Unit	Emission Point	Process	Emission Source	Title	Туре	Part	Sub Part	Section	Sub Division	Dorog	Sub Darag	Clause	Sub Clause
Offic	1 Ollit	1 100033	Oddicc	Title	туре	Fait	rait	Section	Sub Division	raiay.	Sub Faray	Clause	Sub Clause
					Emiss	sion U	nit State	e Only Re	equirements	☐ Conti	inuation She	eet(s)	
Emission Unit	Emission Point	Process	Emission Source	Title	Туре	Part	Sub Part	Section	Sub Division	Parad	Sub Parag	Clause	Sub Clause
Offic	1 01110	1 100033	Source	11110	rype	ıaıt	ıaıı	Cection	SUD DIVISION	ı aray.	Cub i alay	Clause	Gub Glause



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Emissi	on Ur	nit Comp	liance	Certifica		ntinuation Sheet	(s)			
Title		Tuna	Dort	Cub Dort		e Citation Sub Division	Dorograph	Cub Daragraph	Clause	Cub Clause
		Туре	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
6		IYCRR	231	/						
	olicable F	ederal Requir	ement		Requirement		□ Capping			
Emission	Unit	Emission Point	Process	Emission Source	CA	AS No.		Contaminant N	lame	
						ng Information				
☐ Con ☐ Inte ☐ Amb	itinuous rmittent l pient Air	Emission Mon Emission Testi Monitoring	toring ng		□ Monit □ Work ⊠ Reco	oring of Process or Practice Involving rd Keeping/Mainte	r Control Device Specific Operat nance Procedui	Parameters as Sur ions es	rogate	
						scription				
20% opacity Initial Comp emergency	esions fro y (based oliance Togenerate t Complia	om Emergency on six minute est: The Perm or , emergency	average) exittee shall co	ccept for one onduct initial nd natural gases shall condu	six-minute per compliance pe s heater .	iod per hour of no	more than 27% for visible emiss	I not exceed exhibit opacity. This is a B/ ions no later than 1: n annual basis. Reference To	ACT require 80 days of	ement. startup of the
	Code		Pa	arameter	Description			Manufacturer Na	me/Model	No
	Oode				Besonption			Manadada 14	inc/wode	110.
		Limit					Limit	Units		
	Upper		l	ower	Code			Description		
	Avera	ging Method			Monitoring Frequency			Reporting Re	quirement	s
Code	1	Descripti	on	Code				Description		
- 5545		Восопри		14	AS REC MONITO	QUIRED - SEE PERMIT TORING DESCRIPTION (CALENDAR)				_Y



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Emissic	Emission Unit Compliance Certification Continuation Sheet(s)											
						e Citation						
Title		Туре	Part	Sub Part	Section	Sub Division	Paragrap	า	ıb Paragraph	Clause	Sub Clause	
6	N	YCRR	231	7								
☑ Appl	icable F	ederal Requir	ement		/ Requirement		☐ Cappin	g				
Emission	Jnit	Emission Point	Process	Emission Source	C.F	S No.			Contaminant N	lame		
						g Information						
☐ Intern	mittent F	Emission Moni Emission Testi Monitoring	toring ng		■ Work × Reco	oring of Process or Practice Involving rd Keeping/Mainte	Control De Specific Open Control	rice Para rations dures	meters as Sur	rogate		
					Des	scription						
Previous Co	ndition	1 #8 5										
The GHG gld resulting from 98. The heating 0.138 MMBtt 1,020 BTU/s. The GHG en separately by Actual measi CO2, CH4 at GHG emission	obal war of the ending and the values of all all all all all all all all all al	ming potentia nergency diese of the ULSD fut for ULSD fut tural gas; (as CO2e) for ations based of SD fuel oil No emission factor	Is and the doel generator uel oil No.2, a loil No.2; r the emerge on the: 1.2 and natur ors and fuel	efault CO2, 0, and the emand natural gency generated along the attention of the attention o	CH4 and N2O of the purpose of the emerge cumption rates; e specified in the CO2, CH4,	nerator, emergency emission factors us mp and natural ga e calculations of the ney generator fire pairs permit; and N2O emission	sed for the cas heater sha e GHG emis	lculation Il be equ	n of the GHG en all with those co all equal the fo	ontained ir	n 40 CFR Part	
Work Pract	ice	0 - 1 -		Process	Material				D. f T			
Туре		Code			Description				Reference Te	est Method		
	0-1-		Pa	rameter	December				N	/ \ / -	NIa	
	Code				Description			IVI	anufacturer Na	me/iviodei	NO.	
		Limit			-			it I halita				
<u> </u>		Limit				-	L	mit Units				
	Upper		L	ower	Code			Des	scription			
	•											
0.1.	Avera	ging Method			Monitoring	Frequency		A I .	Reporting Re			
Code		Descripti	on	Code	10.550	Description		Code		Description		
	14 AS REQUIRED - SEE PERMIT 14 SEMI-ANNUALLY MONITORING DESCRIPTION (CALENDAR)											



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Emissio	Emission Unit Compliance Certification continuation Sheet(s)													
						e Citation								
Title		Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause				
6	N	YCRR	231	7										
		ederal Requir		☐ State Only	Requirement		☐ Capping	1	ı					
- 7 тррпс	Jabie i	Emission	CITICITE	Emission	rtoquiromont		- oupping							
Emission L	nit	Point	Process	Source	CA	S No.		Contaminant N	Jame					
		1 Ollit		Source	<u> </u>	10 NO.		Contaminant	varrie					
G-XME	MPT		DFP											
						g Information								
Continuo	iuous E	Emission Moni	itoring		Monito	oring of Process or	r Control Device	Parameters as Sur	rogate					
🖳 Intern	ittent E	Emission Testi	ng		 ☐ Work Practice Involving Specific Operations ☑ Record Keeping/Maintenance Procedures 									
☐ Ambie	nt Air i	Monitoring					nance Procedur	es						
					Des	scription								
Previous Col	ndition	#86												
The Permittee	shall (nnerate an em	ergency die	sel fire num	that has a nai	menlate canacity th	nat shall not evo	eed a maximum po	wer output	of				
276 brake hor		•	iorgonio, aic	cor mo pann	riat nao a nai	nopiato capacity ti	iat oriali not oxo	ood a maximam po	wor output	- 01				
				4	4 41 41 4	0		and the state of the state of the	f 0004					
			mentation ti	iat would de l	nonstrate that	ine emergency die	isei tire pump wa	as installed on or be	otore 2001.	•				
Emission Lim		•												
The Permitte	he Permitte shall not discharge or cause to discharge emissions into the atmosphere in excess of the following emission limits for the emergency fire													
pump:														
NOx LAFR er	nission	s limit: 8.56 lb	/hr											
		limit: 1.84 lb/l												
		n only) BACT		mit: 0 6 lb/br										
		endensable fra												
PM2.5 (filtera	ole + c	ondensable fra	action) BAC	T emissions	limit: 0.6 lb/hr									
GHG BACT (express	sed as CO2e)	emissions I	mit shall incl	ude combined	emissions of CO2,	CH4, and N2O	, and shall not exce	ed 72 tons	per year				
(based on 12)	month	rolling total).												
			CT require	nents shall b	e demonstrate	d by implementing	the following or	perating limitations	and work					
practices:		Er (Er Caria Br	to i roquiro	nonto onan e	o domononado	a by implomoning	and removing of	ordanig minidations t	and Work					
	onoro	ting hours for	the fire pur	n aball ba lir	aited to EOO be	ura nor 12 month i	rolling total on d	letermined at the en	d of oooh	polondor				
THE HIGHINGH	горога	iting nours for	trie nie pun	ıp snan be m	iiteu to ooo no	l emergency hours	oning total, as u	etermineu at trie er	iu oi eacii	salenuar				
						meter as required								
The emergen	cy fire 	oump shall co i	mbust only	ıltra low sulf ı	ır distillate (UL	SD) fuel oil No.2 a	s required by re	gulation.						
The emergen	cy fire (pump shall coi	mply with th	e applicable	provisions of 4) CFR 63 Subpart	<u>7777.</u>							
Work Practi	ce	•		Process	Material	•								
Type		Code			Description			Reference T	est Method	I				
Турс		Oodc			Description			TCICICIOC I	CSt WICTIO	1				
			Pa	rameter										
	Code				Description			Manufacturer Na	ame/Model	No.				
					'									
		Limit					Limit							
	Jpper		I	ower	Code			Description						
	Δνεια	ging Method			Monitoring	Frequency		Reporting Re	auirement	e				
Code	Aveia	0 0		0	wormorning	. ,								
Code		Descripti	UII	Code		Description	Cod		Description					
				14		UIRED SEE PER		· OEIVII	-ANNUALI	- •				
	MONITORING DESCRIPTION WOULD DESCRIPTION (CALENDAR)													



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I Emissio	Emission Unit Compliance Certification Continuation Sheet(s)												
		ح				e Citation	\ /						
Title	Тур	е	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause			
6	NYCF	RR	231	7									
	cable Fede	ral Requir	ement	☐ State Only	/ Requirement		□ Capping			•			
Emission U	Jnit E	mission Point	Process	Emission Source	CA	S No.		Contaminant N	Name				
G - XEN			EGN		-								
7.2					Monitorir	g Information							
☐ Contin☐ Intern☐ Ambie	nuous Emis nittent Emis ent Air Mon	ssion Moni ssion Testi itoring	toring ng		☐ Monite☐ Work ☑ Reco	oring of Process o Practice Involving rd Keeping/Mainte	r Control Device Specific Operat nance Procedur	Parameters as Sur ions es	rogate				
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Previous Co	ndition #87	7											
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Section IV - Emission Unit Information (continued)

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Section IV - Emission Unit Information (continued)

EMISSION UNIT - CAS No.	Emissi	on Unit Emissions Su	•	☐ Continuation Sheet(s)
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	PTE Em	nissions	А	ctual
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Compliance	Compliance Plan Continuation Sheet(s)											
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Applicable Federal Requirement												
Emission Unit	Process	Emission Source	Title	Туре	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
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Request for Emission Reduction Credits

Continuation Sheet(s)



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EMISSION UNIT

Attachment B – Title V Permit Application Forms

All proposed changes are noted in red font

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Section IV - Emission Unit Information (continued)

Emission Reduction Description

			Contaminant E	Emission Re	duction Data					
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All facilities under the own including any compliant schedule of a consent of	ce certificat order.	tion requirements	s under Section	114(a)(3) of	f the Clean Ai	ir Áct A	mendments of 1990), or are	meeting the	
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Attachment B – Title V Permit Application Forms All proposed changes are noted in red font

Section IV - Emission Unit Information

Supporting Documentation
□ P.E. Certification □ List of Exempt Activities (form attached) □ Plot Plan □ Methods Used to Determine Compliance (form attached) □ Application Forms (Attachment B) □ Calculations □ Air Quality Model □ Confidentiality Justification □ Ambient Air Monitoring Plan (





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List of Exempt Activities

Instructions

Applicants for Title V facility permits must provide a listing of each exempt activity, as described in 6 NYCRR Part 201-3.2(c), that is currently operated at the facility. This form provides a means to fulfill this requirement.

In order to complete this form, enter the number and building location of each exempt activity. Building IDs used on this form should match those used in the Title V permit application. If a listed activity is not operated at the facility, leave the corresponding information blank.

	Combustion		
Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(1)	Stationary or portable combustion installations where the furnace has a maximum heat input capacity less than 10 mmBtu/hr burning fuels other than coal or wood; or a maximum heat input capacity of less than 1 mmBtu/hr burning coal or wood. This activity does not include combustion installations burning any material classified as solid waste, as defined in 6 NYCRR Part 360, or waste oil, as defined in 6 NYCRR Subpart 225-2.		
(2)	Space heaters burning waste oil at automotive service facilities, as defined in 6 NYCRR Subpart 225-2, generated on-site or at a facility under common control, alone or in conjunction with used oil generated by a do-it-yourself oil changer as defined in 6 NYCRR Subpart 374-2.		
(3)(i)	Stationary or portable internal combustion engines that are liquid or gaseous fuel powered and located within the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury, and have a maximum mechanical power rating of less than 200 brake horsepower.		
(3)(ii)	Stationary or portable internal combustion engines that are liquid or gaseous fuel powered and located outside of the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury, and have a maximum mechanical power rating of less than 400 brake horsepower.		
(3)(iii)	Stationary or portable internal combustion engines that are gasoline powered and have a maximum mechanical power rating of less than 50 brake horsepower.		
(4)	Reserved.		
(5)	Gas turbines with a heat input at peak load less then 10 mmBtu/hour		

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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location						
(6)	Emergency power generating stationary internal combustion engines, as defined in 6 NYCRR Part 200.1(cq), and engine test cells at engine manufacturing facilities that are utilized for research and development, reliability performance testing, or quality assurance performance testing. Stationary internal combustion engines used for peak shaving and/or demand response programs are not exempt.								
Combustion Related									
(7)	Non-contact water cooling towers and water treatment systems for process cooling water and other water containers designed to cool, store or otherwise handle water that has not been in direct contact with gaseous or liquid process streams.								
	Agricultural								
(8)	Feed and grain milling, cleaning, conveying, drying and storage operations including grain storage silos, where such silos exhaust to an appropriate emissions control device, excluding grain terminal elevators with permanent storage capacities over 2.5 million U.S. bushels, and grain storage elevators with capacities above one million bushels.								
(9)	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.								
	Commercial - Food Service Industries								
(10)	Flour silos at bakeries, provided all such silos are exhausted through an appropriate emission control device.								
(11)	Emissions from flavorings added to a food product where such flavors are manually added to the product.								
	Commercial - Graphic Arts								
(12)	Screen printing inks/coatings or adhesives which are applied by a hand-held squeegee. A hand-held squeegee is one that is not propelled though the use of mechanical conveyance and is not an integral part of the screen printing process.								
(13)	Graphic arts processes at facilities located outside the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury whose facility-wide total emissions of volatile organic compounds from inks, coatings, adhesives, fountain solutions and cleaning solutions are less than three tons during any 12-month period.		Page 2 of 6						

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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(14)	Graphic label and/or box labeling operations where the inks are applied by stamping or rolling.		
(15)	Graphic arts processes which are specifically exempted from regulation under 6 NYCRR Part 234, with respect to emissions of volatile organic compounds which are not given an A rating as described in 6 NYCRR Part 212.		
	Commercial - Other		
(16)	Gasoline dispensing sites registered with the department pursuant to 6 NYCRR Part 612.		
(17)	Surface coating and related activities at facilities which use less than 25 gallons per month of total coating materials, or with actual volatile organic compound emissions of 1,000 pounds or less from coating materials in any 12-month period. Coating materials include all paints and paint components, other materials mixed with paints prior to application, and cleaning solvents, combined. This exemption is subject to the following: (i) The facility is located outside of the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury; and (ii) All abrasive cleaning and surface coating operations are performed in an enclosed building where such operations are exhausted into appropriate emission control devices.		
(18)	Abrasive cleaning operations which exhaust to an appropriate emission control device.		
(19)	Ultraviolet curing operations.		
	Municipal/Public Health Related		
(20)	Landfill gas ventilating systems at landfills with design capacities less than 2.5 million megagrams (3.3 million tons) and 2.5 million cubic meters (2.75 million cubic yards), where the systems are vented directly to the atmosphere, and the ventilating system has been required by, and is operating under, the conditions of a valid 6 NYCRR Part 360 permit, or order on consent.		
	Storage Vessels		
(21)	Distillate fuel oil, residual fuel oil, and liquid asphalt storage tanks with storage capacities below 300,000 barrels.		
2/20/2015			Page 2 of 6

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New York State Department of Environmental Conservation Air Permit Application



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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(22)	Pressurized fixed roof tanks which are capable of maintaining a working pressure at all times to prevent emissions of volatile organic compounds to the outdoor atmosphere.		
(23)	External floating roof tanks which are of welded construction and are equipped with a metallic-type shoe primary seal and a secondary seal from the top of the shoe seal to the tank wall.		
	External floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure less than 4.0 psi (27.6 kPa), are of welded construction and are equipped with one of the following:		
(24)	(i) a metallic-type shoe seal;		
	(ii) a liquid-mounted foam seal;		
	(iii) a liquid-mounted liquid-filled type seal; or		
	(iv) equivalent control equipment or device.		
(25)	Storage tanks, including petroleum liquid storage tanks as defined in 6 NYCRR Part 229, with capacities less than 10,000 gallons, except those subject to 6 NYCRR Part 229 or Part 233.		
(26)	Horizontal petroleum or volatile organic liquid storage tanks.		
(27)	Storage silos storing solid materials, provided all such silos are exhausted through an appropriate emission control device. This exemption does not include raw material, clinker, or finished product storage silos at Portland cement plants.		
	Industrial		
(28)	Processing equipment at existing sand and gravel and stone crushing plants which were installed or constructed before August 31, 1983, where water is used for operations such as wet conveying, separating, and washing. This exemption does not include processing equipment at existing sand and gravel and stone crushing plants where water is used for dust suppression.		
(29)(i)	Sand and gravel processing or crushed stone processing lines at a non-metallic mineral processing facility that are a permanent or fixed installation with a maximum rated processing capacity of 25 tons of minerals per hour or less.		

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New York State Department of Environmental Conservation Air Permit Application



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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(29)(ii)	Sand and gravel processing or crushed stone processing lines at a non-metallic mineral processing facility that are a portable emission source with a maximum rated processing capacity of 150 tons of minerals per hour or less.		
(29)(iii)	Sand and gravel processing or crushed stone processing lines at a non-metallic mineral processing facility that are used exclusively to screen minerals at a facility where no crushing or grinding takes place.		
(30)	Reserved.		
(31)	Surface coating operations which are specifically exempted from regulation under 6 NYCRR Part 228, with respect to emissions of volatile organic compounds which are not given an A rating pursuant to 6 NYCRR Part 212.		
(32)	Pharmaceutical tablet branding operations.		
(33)	Thermal packaging operations, including, but not limited to, therimage labeling, blister packing, shrink wrapping, shrink banding, and carton gluing.		
(34)	Powder coating operations.		
(35)	All tumblers used for the cleaning and/or deburring of metal products without abrasive blasting.		
(36)	Presses used exclusively for molding or extruding plastics except where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents.		
(37)	Concrete batch plants where the cement weigh hopper and all bulk storage silos are exhausted through fabric filters, and the batch drop point is controlled by a shroud or other emission control device.		
(38)	Cement storage operations not located at Portland cement plants where materials are transported by screw or bucket conveyors.		
(39)(i)	Cold cleaning degreasers with an open surface area of 11 square feet or less and an internal volume of 93 gallons or less or, having an organic solvent loss of 3 gallons per day or less.		
39(ii)	Cold cleaning degreasers that use a solvent with a VOC content or five percent or less by weight, unless subject to the requirements of 40 CFR 63 Subpart T.		

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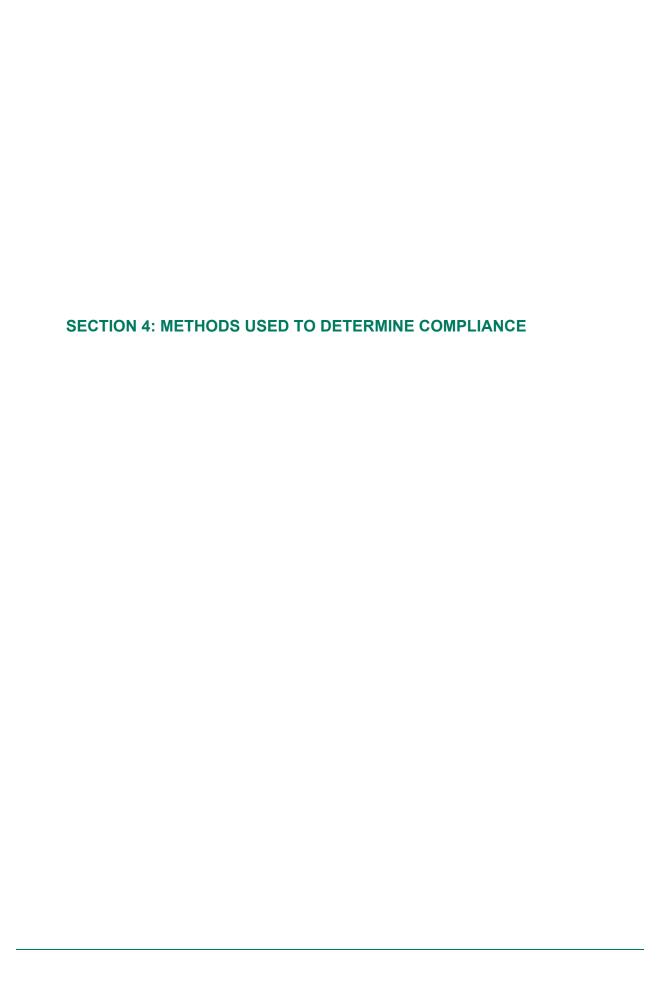
New York State Department of Environmental Conservation Air Permit Application



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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(39)(iii)	Conveyorized degreasers with an air/vapor interface smaller than 22 square feet (2 square meters), unless subject to the requirements of 40 CFR 63 Subpart T.		
(39)(iv)	Open-top vapor degreasers with an open-top area smaller than 11 square feet (1 square meter), unless subject to the requirements of 40 CFR 63 Subpart T.		
	Miscellaneous		
(40)	Ventilating and exhaust systems for laboratory operations. Laboratory operations do not include processes having a primary purpose to produce commercial quantities of materials.		
(41)	Exhaust or ventilating systems for the melting of gold, silver, platinum and other precious metals.		
(42)	Exhaust systems for paint mixing, transfer, filling or sampling and/or paint storage rooms or cabinets, provided the paints stored within these locations are stored in closed containers when not in use.		
(43)	Exhaust systems for solvent transfer, filling or sampling, and/or solvent storage rooms provided the solvent stored within these locations are stored in containers when not in use.		
(44)	Research and development activities, including both stand-alone and activities within a major facility, until such time as the administrator completes a rule making to determine how the permitting program should be structured for these activities.		
(45)	The application of odor counteractants and/or neutralizers.		
(46)	Hydrogen fuel cells.		
(47)	Dry cleaning equipment that uses only water-based cleaning processes or those using liquid carbon dioxide.		
(48)	Manure spreading, handling and storage at farms and agricultural facilities.		

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GREENIDGE GENERATION METHODS USED TO DETERMINE COMPLIANCE TITLE V PERMIT RENEWAL APPLICATION

CURRENT II	TLE V PERMIT	EFFECTIVE DATE	E: APRIL 25, 2019

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
Please Note: Tl	his report lists perr	e order in which they are present within Greenidge's Title V Operating		
1	6 NYCRR 200.6	Facility	Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of Air Pollution Control Permit Conditions emission control required.	The facility will comply with permit terms.
2	6 NYCRR 201-6.4 (a) (7)	Facility	The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.	The facility will pay all applicable fees on schedule.
3	6 NYCRR 201-6.4 (c)	Facility	The following information must be included in any required compliance monitoring records and reports: (i) The date, place, and time of sampling or measurements; (ii) The date(s) analyses were performed; (iii) The company or entity that performed the analyses; (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required; (v) The results of such analyses including quality assurance data where required; and (vi) The operating conditions as existing at the time of sampling or measurement.	The facility will maintain and report all compliance monitoring records as required.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
4	6 NYCRR 201-6.4 (c) (2)	Facility	Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.	All compliance monitoring and recordkeeping will be conducted according to the terms and conditions of this permit and kept on file for at least 5 years.
5	6 NYCRR 201-6.4 (c) (3) (ii)	Facility	Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.	The facility will submit monitoring report and deviation reports on a semi-annual basis, on or before January 30 th and July 30 th of each calendar year.
6	6 NYCRR 201-6.4 (e)	Facility	Requirements for compliance certifications with terms and conditions contained in this facility permit include the conditions listed in the condition.	The facility will submit the compliance certification on an annual basis on or before January 30th of each year for the previous calendar year.
7	6 NYCRR 202-2.1	Facility	Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251	The facility will submit an annual emission statement by April 15 th of each year for actual air emissions from the previous calendar year.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
8	6 NYCRR 202-2.5	Facility	 (a) The following records shall be maintained for at least five years: (1) a copy of each emission statement submitted to the department; and (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used. (b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours 	Records of all emission statements submitted to the Department, along with all calculations and data will be maintained by Greenidge for at least five years.
9	6 NYCRR 215.2	Facility	Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.	The facility's operational procedures prevent open-burning.
10	6 NYCRR 200.7	Facility	Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.	The facility will perform maintenance on all pollution control equipment in accordance with manufacturer's specifications.
11	6 NYCRR 201-1.7	Facility	Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.	The facility has operational procedures in place to demonstrate compliance.
12	6 NYCRR 201-1.8	Facility	No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.	The facility has operational procedures in place to demonstrate compliance.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
13	6 NYCRR 201-3.2 (a)	Facility	The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.	Records for all exempt emission sources are kept and stored onsite for five years.
14	6 NYCRR 201-3.3 (a)	Facility	The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.	Records for all trivial emission sources are kept and stored onsite for five years.
15	6 NYCRR 201-6.4 (a) (4)	Facility	The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.	The facility maintains all necessary records for claiming compliance and will provide them to the Department upon request.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
16	6 NYCRR 201-6.4 (a) (8)	Facility	The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to: (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit; (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit; (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.	Greenidge will grant access to the premises and any records kept under this permit to the Department or an authorized representative upon request.
17	6 NYCRR 201-6.4 (f) (6)	Facility	Changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.	The facility will notify the Department of any operating changes.
18	6 NYCRR 202-1.1	Facility	For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.	The facility, when requested by the Department, will submit reports of measured emissions within the required time frames.

GREENIDGE GENERATION METHODS USED TO DETERMINE COMPLIANCE TITLE V PERMIT RENEWAL APPLICATION

		CURRE	NI IIILE V PERMII EFFECTIVE DATE: APRIL 23	, 2019
Previous	Applicable	Permit Level	Description of Requirement	M

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
19	40 CFR Part 68	Facility	If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply: a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and; b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present: 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or, 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.	If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR \$68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the facility will submit a compliance schedule for meeting the requirements of 40 CFR 68. Currently there are no chemicals on site that meet this requirement.
20	40CFR 82, Subpart F	Facility	The permittee shall comply with all applicable provisions of 40 CFR Part 82.	The permittee complies with all applicable provisions of 40 CFR Part 82. There are no ODS on site in appliance in quantities that meet this requirement.
21	6 NYCRR Subpart 201-6	Facility	The facility maintains several emission units.	The facility maintains several emission units.
22	6 NYCRR 201-6.4 (d) (4)	Facility	Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually and shall contain the following: (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.	The facility will submit progress reports detailing dates that activities, milestones and compliance are achieved consistent with applicable compliance schedule.

GREENIDGE GENERATION METHODS USED TO DETERMINE COMPLIANCE TITLE V PERMIT RENEWAL APPLICATION

CURRENT	TITLE V	PERMIT	EFFECTIV	E DATE: A	APRIL 25, 201	9

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
23	6 NYCRR Subpart 201-7	Facility	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: 007446-09-5 PTE: 78,000 pounds per year Name: SULFUR DIOXIDE CAS No: 0NY998-00-0 PTE: 98,000 pounds per year Name: VOC	Greenidge continually monitors the heat input of biomass material and natural gas. Feed rates are determined by utilizing fuel analyses, certificates of analysis and metering records for natural gas and biomass. The data will be reported on a quarterly basis through ECMPS.
25	6 NYCRR 225-1.2 (h)	Facility	Owners and/or operators of stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications. Data collected must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.	The facility will only purchase ultra-low sulfur diesel (ULSD) fuel for use on site and maintains records of purchases.
26	6 NYCRR 225-1.5 (c)	Facility	Measurements must be made daily of the rate of each fuel fired. The gross heat content and ash content of each fuel fired must be determined at least once each week. In the case of stationary combustion installations producing electricity for sale, the average electrical output and the hourly generation rate must also be measured. Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.	The facility measures the gross heat content, ash content, average electrical output and hourly generation rate of each fuel fired. This data will be summarized and provided to the Department on a semi-annual basis. The facility will retain these records for 5 years. When firing natural gas, fuel flow and heat input is monitored and calculated via the DAHS.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
27	6 NYCRR 230.5 (a)	Facility	The owner and/or operator of any gasoline dispensing site must maintain records showing the sum of all gasoline deliveries during the previous 12 consecutive months. The appropriate Stage I and Stage II vapor collection systems must be in place prior to any site exceeding the 120,000 gallons in annual throughput. These records must be maintained at the site for a period of five years and be made available to Department representatives on request during normal business hours.	The Greenidge facility will maintain records showing the quantity of all gasoline delivered to the facility.
28	6 NYCRR 231-5.5	Facility	177 tons of ERCs have been allocated as offsets for NOx emissions from Greenidge Station. They have been obtained from 1046.4 tons which Greenidge acquired from the shutdown of Westover Generating Station. 153.9 tons NOx = facility PTE 146.8 tons allocated to boiler (EU 00004, permit condition 58) 7.1 tons for other (exempt) sources Offset by 1.15 177 tons NOx offsets allocated for the project	Greenidge surrendered 177 tons of NOx Emission Reduction Credits (ERCs) from an approved source to offset 153.8 tons of NOx emissions associated with the issuance of the initial Title V Permit for the facility.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
29	6 NYCRR 231-7.5	Facility	Facility-wide greenhouse gas emissions are limited to 53,788.1 tons of CO2e per 30-day rolling average. This facility wide limit includes the CO2e emissions from Boiler #6, emergency diesel generator, emergency diesel fire pump, and natural gas heater. For calculating the actual tons of CO2e from Boiler #6, the Permittee shall use the procedures set forth in 40 CFR Part 98 to determine resulting GHG emissions (as CO2e) based on the combination of measured by CEMS CO2 emissions and calculated CO2e of CH4 and N2O. For the purposes of showing compliance with the GHG BACT emission limits, the CH4 and N2O emission factors listed in 40 CFR Part 98, Tables C-1 and C-2, and the global warming potential factors listed in 40 CFR Part 98, subpart A, Table A-1 shall be used. The actual CO2e from the emergency diesel generator, emergency diesel fire pump, and natural gas heater shall be calculated as specified elsewhere in this permit.	Reports of CO2e emissions will be calculated and submitted to EPA on a quarterly and semi-annual basis.
30	6 NYCRR 231-7.5	Facility	Facility-wide NOx is limited to no more than 153.8 tons per 12-month rolling total. This facility wide limit includes the NOx emissions from Boiler #6, emergency diesel generator, emergency diesel fire pump, and natural gas heater.	Control equipment and compliance monitoring through CEMS satisfies this requirement. Reports of NOx emissions will be submitted to EPA and NYSDEC on a quarterly and semi-annual basis, respectively.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
31	6 NYCRR 231-7.5	Facility	Facility-wide greenhouse gas emissions are limited to 641,878 tons/year of CO2e on a 12-month rolling total basis, rolled monthly. This facility wide limit includes the CO2e emissions from Boiler #6, emergency diesel generator, emergency diesel fire pump, and natural gas heater. For calculating the actual tons of CO2e from Boiler #6, the Permittee shall use the procedures set forth in 40 CFR Part 98 to determine resulting GHG emissions (as CO2e) based on the combination of measured by CEMS CO2 emissions and calculated CO2e of CH4 and N2O. For the purposes of showing compliance with the GHG BACT emission limits, the CH4 and N2O emission factors listed in 40 CFR Part 98, Tables C-1 and C-2, and the global warming potential factors listed in 40 CFR Part 98, subpart A, Table A-1 shall be used. The actual CO2e from the emergency diesel generator, emergency diesel fire pump, and natural gas	Control equipment and compliance monitoring through CEMS satisfies this requirement. Reports of CO2e emissions will be submitted to EPA on an annual, semi-annual basis, and quarterly basis.
			heater shall be calculated as specified elsewhere in this permit.	
32	40CFR 63, Subpart A	Facility	Emission Unit: GXEMPT Process: DFP Emission Unit: GXEMPT Process: EGN	Greenidge will comply with the MACT requirements laid out in the following table: 40 CFR Subpart ZZZZ Table 8 [§63.6665]
			This emission source is subject to the applicable provisions of 40 CFR 63 Subpart A. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.	that includes performance testing, monitoring, recordkeeping, and reporting requirements.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
33	40CFR 63, Subpart ZZZZ	Facility	Emission Unit: GXEMPT Process: DFP Emission Unit: GXEMPT Process: EGN The Department has not accepted delegation of 40 CFR Part 63 Subpart ZZZZ. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart ZZZZ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.	Greenidge understands that the Department has not accepted delegation of this rule, and all inquiries for this requirement are directed to the USEPA.
34	40CFR 63, Subpart ZZZZ	Facility	This requirement applies to Emission Unit G-XEMPT Process EGN and DFP Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ. The facility is required to comply with the following conditions for the Emergency Generator and the Diesel Fire Pump: The existing emergency generator is comprised of a compression ignition (CI) stationary reciprocating internal combustion engine fired by Ultralow Sulfur Diesel (ULSD) fuel oil # 2, rated at 375 horsepower hour (HP). The existing emergency diesel fire pump engine is comprised of a compression ignition (CI) stationary reciprocating internal combustion engine fired by ULSD fuel oil # 2 and rated at 276 HP.	The facility will conduct the maintenance, recordkeeping and reporting required by this Subpart. The diesel fire pump engine was removed from the Facility on October 14, 2019; therefore, this requirement is no longer applicable.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
35	40 CFR Part 98	Facility	40 CFR Part 98 establishes mandatory greenhouse gas (GHG) reporting requirements for owners and operators of certain facilities that directly emit GHG as well as for certain fossil fuel suppliers and industrial GHG suppliers. For suppliers, the GHGs reported are the quantity that would be emitted from combustion or use of the products supplied. Owners and operators of facilities and suppliers that are subject to 40 CFR Part 98 must follow the requirements of subpart A and all applicable subparts of 40 CFR Part 98. If a conflict exists between a provision in subpart A and any other applicable subpart, the requirements of the applicable subpart shall take precedence.	Greenidge understands and complies with 40 CFR Part 98 and the requirements of subpart A and all applicable subparts of 40 CFR Part 98.
36	6 NYCRR Subpart 201-6	Emission Unit	The Facility maintains several emission units.	The Facility maintains several emission units as identified in this permit condition.
37	6 NYCRR Subpart 201-6	Emission Unit	The Facility performs authorized processes for the emission units.	The Facility performs authorized processes for the emission units.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
38	6 NYCRR Subpart 201-7	Emission Unit: G-00004	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 Subpart 231-5 The Permittee is avoiding applicability of Non-Attainment regulations to the VOC emissions resulting from the facility because the potential to emit of VOC (including formaldehyde) was estimated to be less than 50 tpy. To demonstrate that the actual VOC emissions (including formaldehyde emissions) would not exceed the NSR applicability threshold, the Permittee shall conduct an initial compliance performance within 180 days of the beginning of commercial production of power to quantify the VOC and formaldehyde emissions, but no later than 180 days after initial startup of Boiler #6.	Process monitoring and recordkeeping will be used demonstrate that PTE does not exceed 50 tpy of VOC emissions. Reports will be submitted to the Department annually. Records will be kept for at least five (5) years. Stack testing was performed beginning on July 16th, 2019 that demonstrated compliance with this 50 tpy limit.
39	6 NYCRR Subpart 201-7	Emission Unit: G-00004	SO2 emissions shall not exceed 39.0 tons per year on a rolling monthly basis including all startups, shutdowns, malfunctions and equipment and process upsets. This limit will avoid the applicability of SO2 BACT and will be demonstrated through use of an SO2 CEMS.	Process monitoring and recordkeeping using CEMS demonstrates that PTE does not exceed 39 tpy of SO2 emissions. Reports will be submitted to the Department annually. Records will be kept for at least five (5) years.
40	6 NYCRR 227-1.3 (a)	Emission Unit: G-00004	No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).	The facility uses a continuous opacity monitor (COM) to ensure compliance with the 20 percent opacity limit except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
42	6 NYCRR 231-5.4	Emission Unit: G-00004	NOx emissions shall not exceed 146.8 tons on a 12-month rolling total, rolled monthly, including all startups, shutdowns, malfunctions and equipment and process upsets. This limit will satisfy LAER regulatory requirements and be demonstrated through use of NOx CEMS. This limit is based on 0.03 lb/MMBtu of NOx based on a 12-month rolling average.	Emissions of NOx from Emission Point 00004 shall not exceed the LAER limit of 146.8 tons per year, on a rolling 12-month basis. Greenidge shall maintain and operate a continuous emission monitoring system (CEMS) to monitor the NOx emissions at the stack. Records shall be maintained at the facility for a minimum of five years.
43	6 NYCRR 231-5.4	Emission Unit: G-00004	During approximately the first 180 operating days (the "commissioning phase") the facility will continue operation of the existing SCR catalyst in operation at the time of plant protective layup (3/18/11). When the commissioning phase is complete the facility will install new SCR catalyst and will notify the Department within 30 days of the date of installation of the new catalyst.	The catalyst was changed October 16 th and the DEC was informed via mail on November 6 th , 2017. Greenidge has fulfilled this permit condition.
44	6 NYCRR 231-7.5	Emission Unit: G-00004	Total emissions of PM-10 shall not exceed 151.7 tons per year on a 12 month rolling total basis, rolled monthly including all startups, shutdowns, malfunctions and upsets. In the event that during compliance performance testing it would be determined that the Permittee cannot meet the 151.7 tpy limit firing natural gas and/or co-firing natural gas and biomass, the NYSDEC may adjust each emission limit upward at a level not to exceed two standard deviations above the mean (which is the average of the three stack test runs of no less than 1-hour sampling period for each test run). The new adjusted) annual limit of total PM10 emission limits cannot exceed 205 tpy.	Control equipment and compliance with permit terms ensures that PM-10 emissions do not exceed 0.00825 lb/MMBtu. Reports of PM-10 emissions will be submitted on a semi-annual basis. The July 16th, 2019 RATA verified the actual emission rate of <0.0004 lb/MMBtu

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
45	6 NYCRR 231-7.5	Emission Unit: G-00004	PM2.5 emissions shall not exceed 151.7 tons per year on a 12 month rolling total including all startups, shutdowns, malfunctions and upsets. In the event that during compliance performance testing it would be determined that the Permittee cannot meet the 151.7 tpy limit, the NYSDEC may adjust each emission limit upward at a level not to exceed two standard deviations above the mean (which is the average of the three stack test runs of no less than 1 hour sampling period for each test run). The new (adjusted) annual limit of total PM2.5 emission limits cannot exceed 205 tpy. The exceedance of the PM2.5 limit of 205 tpy that may occur during the initial compliance performance testing shall not be considered violations of the permit conditions. Any adjustment to the PM10 emission limit for Unit G-00004, made in accordance with the provisions of the previous paragraph, will be considered an administrative amendment as defined at 6 NYCRR 201-6.6(b) and not subject to the requirements for modifications of 6 NYCRR 201-6.6(c) or (d), 6 NYCRR Part 621 or 6 NYCRR Part 231-11.	Control equipment and compliance with permit terms ensures that PM-2.5 emissions do not exceed 0.00825 lb/MMBtu. Reports of PM-2.5 emissions will be submitted on a semi-annual basis. The July 16th, 2019 RATA verified the actual emission rate of <0.0004 lb/MMBtu. Process monitoring and recordkeeping using CEMS demonstrates that PTE does not exceed 151.7 tpy of PM2.5 emissions.
46	6 NYCRR 231-7.5	Emission Unit: G-00004	Carbon Dioxide emissions shall not exceed 1,562 lb per event during each Startup and Shutdown event while firing natural gas only. Compliance with this limit shall be demonstrated by a CO2 Continuous Emission Monitoring System (CEMS).	Control equipment and compliance with permit terms satisfy this requirement. Emissions will be reported via EDR.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
47	6 NYCRR 231-7.5	Emission Unit: G-00004	The facility will develop and implement a Leak Detection and Repair (LDAR) Program for the above ground piping on the facility property to minimize fugitive Greenhouse Gases (GHGs) from the natural gas pipeline system. Additionally, the facility will conduct a one-time Energy Assessment (EA) following the procedures specified in 40 CFR Part 63 Subpart DDDDD, Table 3. Greenidge will continuously monitor and minimize, to the extent practicable, its station parasitic load.	Meters are in place to monitor for leaks throughout the process. An energy assessment has been conducted in accordance with 40 CFR Part 63 Subpart DDDDD in April 2017 thereby fulfilling this permit condition.
48	6 NYCRR 231-7.5	Emission Unit: G-00004	Carbon dioxide emissions shall not exceed 130.17 lb/MMBtu on a 1-hour block average basis while firing natural gas only or co-firing natural gas and up to 19% biomass during steady state operating conditions. Compliance with this limit shall be demonstrated by a CO2 Continuous Emission Monitoring System (CEMS).	Emissions of carbon dioxide do not exceed 130.17 lb/MMBtu on a 1-hour block average basis while firing natural gas only or co-firing natural gas and up to 19% biomass during steady state operating conditions. In order to demonstrate compliance with this requirement, Greenidge maintains and operates a continuous emission monitoring system (CEMS) to monitor the Carbon Dioxide emissions at the stack. Records are maintained at the facility for a minimum of five years.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
49	6 NYCRR 231-7.6	Emission Unit: G-00004	Total filterable particulate emissions shall not exceed 48.9 tons per 12-month rolling total, rolled monthly including all startups, shutdowns, malfunctions and upsets. After an initial stack test (comprised of 3 test runs of not less than 1-hour sampling period per test run) to demonstrate compliance, within 180 days of the beginning of commercial production of power, but no later than 180 operating days after initial startup of Boiler #6. Repeat stack testing will be required annually thereafter. For the purposes of this permit: (1) "beginning of commercial production of power" shall mean the first time when Unit #4 (which is the combination of the existing turbine steam generator and Boiler #6) achieves minimum operating load of 40 Megawatts; and (2) startup means the setting in operation of an affected facility for any purpose, as defined at 40 CFR 60.2.	Total particulate emissions do not exceed the BACT limit of 48.9 tons per year, on a rolling monthly basis. The July 16th, 2019 RATA verified the emission rate of <0.0007 lb/MMBtu which results in an annual PTE of 3.42 tons while operating at full load for the entire year. Subsequent stack tests will be performed once per permit term thereafter. Records are maintained at the facility for a minimum of five years.
50	6 NYCRR 231-7.6	Emission Unit: G-00004	A carbon monoxide emission limit of 464.8 tons per year on a 12-month rolling total, rolled monthly shall include all startups, shutdowns, malfunctions and upsets. This limit is BACT under Part 231-7.6 and will be monitored by a CEMS. This CO tpy limit is based on a CO limit of 0.095 lb/MMBtu on a 12-month rolling average.	Emissions of CO do not exceed the BACT of 464.8 tons per year, on a monthly rolling basis. In order to demonstrate compliance with this requirement, Greenidge maintains and operates a continuous emission monitoring system (CEMS) to monitor the CO emissions at the stack. Records are maintained at the facility for a minimum of five years.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
51	40CFR 63, Subpart DDDDD	Emission Unit: G-00004	Pursuant to 40 CFR 63.7491(a), a natural gas-fired EGU as defined in 40 CFR Subpart UUUUU which fires at least 85% natural gas on an annual heat input basis is exempt from 40 CFR 63 Subpart DDDDD. The facility shall maintain records which demonstrate that Unit G-00004 fires at least 85% natural gas on an annual heat input basis to document its status as a natural gas only unit.	Heat input and fuel combustion is constantly monitored to ensure that natural gas consumption account for at least 85% of fuel fired on an annual heat input basis. Reports will be submitted semi-annually. Greenidge only fired natural gas in during this reporting period, thereby meeting the 85% natural gas consumption requirement.
52	40CFR 72.6(a)(1), Subpart A	Emission Unit: G-00004	This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is attached to this Title V facility operating permit.	The Title IV Acid Rain Permit was issued and incorporated as part of the Title V Air Operating Permit.
53	40CFR 75.10(a), Subpart B	Emission Unit: G-00004	The owner or operator shall measure opacity and all SO ₂ , NOx, CO, NH3, and CO ₂ emissions for each affected unit.	Greenidge has continuous emissions monitors systems (CEMS) in place to measure SO ₂ , NOx, CO, NH ₃ , and CO ₂ emissions. The USEPA has approved the use of alternate data substitution in accordance with Part 75 via letter dated May 30, 2018.
54	40CFR 75.10(b), Subpart B	Emission Unit: G-00004	Primary Equipment Performance Requirements. The owner or operator shall ensure that each CEMS required by this part meets the equipment, installation, and performance specifications in Appendix A to this part; and is maintained according to the quality assurance and quality control procedures in Appendix B to this part; and shall record SO2 and NOx emissions in the appropriate units of measurement (i.e., lb/hr for SO2 and lb/MMBtu for NOx).	All CEMS meet the equipment, installation and performance specifications of Appendix A of this part. Furthermore, all CEMS will be maintained according to the quality control and quality assurance procedures in Appendix B of this part. SO ₂ data is recorded in units of lb/hr and NOx data is recorded in units of lb/MMBtu.

GREENIDGE GENERATION METHODS USED TO DETERMINE COMPLIANCE TITLE V PERMIT RENEWAL APPLICATION

CURRENT TITLE V PERMIT EFFECTIVE DATE: APRIL 25, 2019	CURRENT	TITLE V PER	RMIT EFFECTIV	E DATE: APR	IL 25, 2019
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Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
55	40CFR 75.10(c), Subpart B	Emission Unit: G-00004	The Permittee shall install, calibrate, maintain, and operate on a continuous basis monitoring systems or devices for the following parameters: a. Steam turbine's energy output in megawatts hour (MW-hour) on an hourly basis. b. The volume of natural gas consumed on an hourly basis. c. The amount of each type of biomass charged. d. Actual heat input rate (MMBtu/hr), which shall be determined as follows: 1. The actual heat input rate from natural gas shall be determined as the product of the actual measured amount of natural gas consumed and the heating value specified in this permit. 2. The actual heat input from biomass shall be determined as the product of the actual (weighted) amount of biomass charged to the boiler, and the actual heating value (i.e., heat content) of the biomass expressed as MMBtu/ton. The heating value (MMBtu/ton) of the biomass shall be determined by the procedures contained in the American Society of Mechanical Engineers (ASME) Performance Test, or other procedures upon NYSDEC's approval. 3. The biomass charged to the boiler # 6 must have a minimum heating value of 5,000 BTU/lb.	Greenidge maintains records of input/output via DAHS.
56	40CFR 75.10(d), Subpart B	Emission Unit: G-00004	The owner or operator shall ensure that all continuous emission and opacity monitoring systems required by this part are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in §75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to §75.21 and appendix B of this part, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to §75.20.	All CEMS and the opacity monitor are in operation during all periods of fuel combustion, calibration, quality assurance, and preventive maintenance performed. Greenidge, through proper maintenance and calibration of monitoring devices, ensures that all CEMS are capable of completing a minimum of one cycle of operation for each successive 15-minutes interval and collects the required number of data points.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
57	40CFR 75.13(a), Subpart B	Emission Unit: G-00004	The owner or operator shall meet the general operating requirements in §75.10 for a CO ₂ and NH ₃ continuous emissions monitoring system and flow monitoring system for each affected unit.	The facility certifies, operates and maintains the CO ₂ and NH ₃ CEMS in compliance with the operating requirements of 40 CFR 75-B.10.
58	40CFR 75.20, Subpart C	Emission Unit: G-00004	Whenever the owner or operator makes a replacement, modification, or change in a certified continuous emission monitoring system or continuous opacity monitoring system that may significantly affect the ability of the system to accurately measure or record the NH3, SO2 or CO2 concentration, stack gas volumetric flow rate, NOx emission rate, NOx concentration, percent moisture, or opacity, or to meet the requirements of \$75.21 or appendix B to this part, the owner or operator shall recertify the continuous emission monitoring system or continuous opacity monitoring system, according to the procedures in this paragraph.	Greenidge will notify the DEC and EPA updates regarding changes to CEMS or COMS in accordance with §75.21

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
59	40CFR 75.64(a), Subpart G	Emission Unit: G-00004	The designated representative for an affected unit shall electronically report the data and information indicated below to USEPA quarterly. Each report must be submitted within 30 days of the end of each calendar quarter and shall include: (1) The information and hourly data required in 40 CFR 75.50 through 75.52 (or 75.54 through 75.56), excluding descriptions of adjustments, corrective action, and maintenance; information which is incompatible with electronic reporting (e.g., field data sheets, lab analyses, quality control plan); opacity data listed in 40 CFR 75.50(f) or 75.54(f); for units with SO2 or NOx add-on emission controls that do not elect to use the approved site-specific parametric monitoring procedures for calculation of substitute data, the information in 40 CFR 75.55(b)(3); and the information recorded under 40 CFR 75.56(a)(7) for the period prior to January 1, 1996. (2) Tons (rounded to the nearest tenth) of SO2 emitted during the quarter and cumulative SO2 emissions for the calendar year. (3) Average NOx emission rate (pounds per million BTU, rounded to the nearest hundredth) during the quarter and cumulative NOx emission rate for the calendar year. (4) Tons of CO2 emitted during the quarter and cumulative CO2 emissions for the calendar year. (5) Total heat input (million BTU) for the quarter and cumulative heat input for the calendar year.	The designated representative reports to the EPA, on a quarterly basis, hourly data required in 40 CFR 75.50 through 75.52, opacity data, tons of SO_2 emitted, average NOx emission rate, cumulative NOx emission rate for the calendar year, tons of CO_2 emitted, cumulative CO_2 emissions for the calendar year, total heat input (million Btu) and cumulative heat input for the calendar year.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
60	40CFR 97.406, Subpart AAAAA	Emission Unit: G-00004	(1) The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information. (2) The facility, and the designated representative, of each TR NOX Annual source (facility) and each TR NOX Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of \$\$97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year. (3) The emissions data determined shall be used to calculate allocations of TR NOX Annual allowances and to determine compliance with the TR NOX Annual emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOX Annual facility and each TR NOX Annual Unit at the facility shall hold, in the facilities compliance account, TR NOX Annual allowances available for deduction for such control period under \$97.424(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOX Annual Units at the facility.	The facility has a designated representative for each TR NOx Annual facility and unit that will ensure compliance with the monitoring, reporting, and recordkeeping requirements of §897.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. The emissions data are used to calculate allocations of TR NOx Annual allowances and to determine compliance with the TR NOx Annual emissions limitation and assurance provisions.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
61	40CFR 97.506, Subpart BBBBB	Emission Unit: G-00004	(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §897.513 through 97.518 of Subpart BBBBB. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information. (2) The facility, and the designated representative, of each TR NOx Ozone Season source (facility) and each TR NOx Ozone Season Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §897.530 through 97.535 of Subpart BBBBB and subpart H of part 75 of this chapter. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year. (3) The emissions data determined shall be used to calculate allocations of TR NOx Ozone Season allowances and to determine compliance with the TR NOx Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NOx Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Ozone Season Units at the facility.	The facility has a designated representative for each TR NOx Ozone Season facility and unit that ensures compliance with the monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535 of Subpart BBBBB and subpart H of part 75 of this chapter. The emissions data determined is used to calculate allocations of TR NOx Ozone Season allowances and to determine compliance with the TR NOx Ozone Season emissions limitation and assurance provisions.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
62	40CFR 97.606, Subpart CCCCC	Emission Unit: G-00004	(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.613 through 97.618 of Subpart CCCCC. (2) The facility, and the designated representative, of each TR SO2 Group 1 source (facility) and each TR SO2 Group 1 Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635 of Subpart CCCCC and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. (3) The emissions data determined shall be used to calculate allocations of TR SO2 Group 1 allowances and to determine compliance with the TR SO2 Group 1 emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO2 Group 1 facility and each TR SO2 Group 1 Unit at the facility shall hold, in the facilities compliance account, TR SO2 Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO2 emissions for such control period from all TR SO2 Group 1 Units at the facility.	The facility has a designated representative for each TR SO2 Group 1 facility and unit that ensures compliance with the monitoring, reporting, and recordkeeping requirements of \$897.630 through 97.635 of Subpart CCCCC and subpart H of part 75 of this chapter. The emissions data determined is used to calculate allocations of TR SO2 Group 1 allowances and to determine compliance with the TR SO2 Group 1 emissions limitation and assurance provisions.
1-2	6 NYCRR Subpart 201-6	Emission Unit: G-00004 Process: P65	Compliance with this limit shall be demonstrated by an Ammonia Continuous Emission Monitoring System (CEMS). The permittee shall not allow to discharge emissions of ammonia (NH3) into the atmosphere in excess of 20 ppmvd @ 3% O2 (1-hour block average) from the SNCR/SCR system controlling Boiler #6. The permittee shall install and operate CEMS for NH3 slip emissions.	NYSDEC approved adjustment to 20ppmvd in permit Mod 1 effective April 25.
64	6 NYCRR 231-5.4	Emission Unit: G-00004 Process: P65	NOx emissions shall not exceed 0.0365 lb/MMBtu on a 1 hr block basis while firing natural gas only. This limit will satisfy LAER regulatory requirements and be demonstrated through use of NOx CEMS. This limit is more stringent than the NOx RACT requirements of 6 NYCRR Part 227-2. That being the case, only the most stringent NOx limitation (LAER) is included in the permit to avoid conflicting NOx emission limits for this process.	Greenidge maintains and operates a continuous emission monitoring system (CEMS) to monitor the NOx emissions at the stack. Records are maintained at the facility for a minimum of five years.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
65	6 NYCRR 231-7.5	Emission Unit: G-00004 Process: P65	While firing natural gas emissions of PM2.5 from Unit G 00004 must not exceed 0.00825 lb/MMBtu. An initial stack test to demonstrate compliance with the PM2.5 emission rate (comprised of 3 test runs of not less than 1 hour sampling period per test run), must be completed within 180 days of the beginning of commercial production of power, but no later than 180 days after initial startup of Boiler #6. For the purposes of this permit: (1) "beginning of commercial production of power" shall mean the first time when Unit #4 (which is the combination of the existing turbine steam generator and Boiler #6) achieves minimum operating load of 40 Megawatts; and (2) startup means the setting in operation of an affected facility for any purpose, as defined at 40 CFR 60.2. In the event that during compliance performance testing it would be determined that the Permittee cannot meet the 0.00825 lb/MMBtu firing natural gas, the NYSDEC may adjust each emission limit upward at a level not to exceed two standard deviations above the mean. The new (adjusted) levels of total PM2.5 emission limits cannot exceed 0.021 lb/MMBtu. The exceedance of the PM2.5 limit of 0.00825 lb/MMBtu that may occur during the initial compliance performance testing and, that would be below 0.021 lb/MMBtu shall not be considered violations of the permit conditions. Additional compliance testing for PM2.5 emissions from Unit G-00004 will be required annually. While firing natural gas only emissions of PM-2.5 from Unit G-00004 must not exceed 0.00825 lb/MMBtu. Based on initial and annual stack test results in 2017, 2018, and 2019 demonstrates that the Facility is in compliance with the PM-2.5 emission rate (comprised of 3 test runs of not less than 1-hour sampling period per test run). To demonstrate ongoing compliance with the PM-2.5 emission limitation, the Facility will install a continuous flow meter. The continuous flow meter will be maintained in accordance with manufacturer's specifications. In the event that the continuous flow meter is nonoperat	Control equipment and compliance with permit terms ensures that PM-2.5 emissions do not exceed 0.00825 lb/MMBtu. Reports of PM-2.5 emissions are submitted on a semi-annual basis. The July 16th, 2019 RATA verified the actual emission rate of PM _{2.5} to be <0.0006 lb/MMBtu. To demonstrate ongoing compliance with the particulate emission limitation, the Facility will install a continuous flow meter. The continuous flow meter will record stack flow as a surrogate to particulate emissions as measured during previous stack tests.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
66	6 NYCRR 231-7.5	Emission Unit: G-00004 Process: P65	While firing natural gas only emissions of PM 10 from Unit G 00004 must not exceed 0.00825 lb/MMBtu. An initial stack test to demonstrate compliance with the PM-10 emission rate (comprised of 3 test runs of not less than 1 hour sampling period per test run), must be completed within 180 days of the beginning of commercial production of power, but no later than 180 days after initial startup of Boiler #6. For the purposes of this permit: (1) "beginning of commercial production of power" shall mean the first time when Unit #4 (which is the combination of the existing turbine steam generator and Boiler #6) achieves minimum operating load of 40 Megawatts; and (2) startup means the setting in operation of an affected facility for any purpose, as defined at 40 CFR 60.2. In the event that during the initial compliance performance testing it would be determined that the Permittee cannot meet the 0.00825 lb/MMBtu burning natural gas, the NYSDEC may adjust each emission limit upward at a level not to exceed two standard deviations above the mean. The new (adjusted) levels of total PM 10 emission limits cannot exceed 0.021 lb/MMBtu. The exceedances of the PM 10 limit of 0.00825 lb/MMBtu that may occur during the initial compliance performance testing and, that would be below 0.021 lb/MMBtu shall not be considered violations of the permit conditions. Additional compliance testing for PM 10 emissions from Unit G 00004 will be conducted annually. While firing natural gas only emissions of PM-10 from Unit G-00004 must not exceed 0.00825 lb/MMBtu. Based on initial and annual stack test results in 2017, 2018, and 2019 demonstrates that the Facility is in compliance with the PM-10 emission rate (comprised of 3 test runs of not less than 1-hour sampling period per test run). To demonstrate ongoing compliance with the PM-10 emission limitation, the Facility will install a continuous flow meter. The continuous flow meter will be maintained in accordance with manufacturer's specifications. In the event that the continuous flow me	Control equipment and compliance with permit terms ensures that PM-10 emissions do not exceed 0.00825 lb/MMBtu. Reports of PM-10 emissions are submitted on a semi-annual basis. The July 16th, 2019 RATA verified the actual emission rate of PM_{10} to be <0.0006 lb/MMBtu. To demonstrate ongoing compliance with the particulate emission limitation, the Facility will install a continuous flow meter. The continuous flow meter will record stack flow as a surrogate to particulate emissions as measured during previous stack tests.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
67	6 NYCRR 231-7.5	Emission Unit: G-00004 Process: P65	While firing natural gas only from Unit G 00004 emissions of PM 2.5 must not exceed 0.002 lb/MMBtu. An initial stack test to demonstrate compliance with the PM emission rate (comprised of 3 test runs of not less than 1 hour sampling period per test run), must be completed within 180 days of the beginning of commercial production of power, but no later than 180 operating days after the initial startup of Boiler #6. For the purposes of this permit: (1) "beginning of commercial production of power" shall mean the first time when Unit #4 (which is the combination of the existing turbine steam generator and Boiler #6) achieves minimum operating load of 40 Megawatts; and (2) startup means the setting in operation of an affected facility for any purpose, as defined at 40 CFR 60.2. Additional compliance testing for PM emissions from Unit G-00004 will be conducted annually. While firing natural gas only from Unit G-00004 are must not exceed 0.002 lb/MMBtu. Based on initial and annual stack test results in 2017, 2018, and 2019 demonstrates that the Facility is in compliance with the particulate emission rate (comprised of 3 test runs of not less than 1-hour sampling period per test run). To demonstrate ongoing compliance with the particulate emission limitation, the Facility will install a continuous flow meter. The continuous flow meter will be maintained in accordance with manufacturer's specifications. In the event that the continuous flow meter is nonoperational for an extended period of time (14 consecutive operating days), the Facility will perform a Method 9 test.	Control equipment and compliance with permit terms ensures that PM-2.5 emissions do not exceed 0.002 lb/MMBtu. Reports of PM-2.5 emissions are submitted on a semi-annual basis. The July 16th, 2019 RATA verified the actual emission rate of PM to be <0.0006 lb/MMBtu. To demonstrate ongoing compliance with the particulate emission limitation, the Facility will install a continuous flow meter. The continuous flow meter will record stack flow as a surrogate to particulate emissions as measured during previous stack tests.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
1-3	6 NYCRR 231-7.6	Emission Unit: G-00004 Process: P65	CO emissions shall not exceed 100 ppm by volume at 3% O2 on a 24-hour weighted block average. This equates to 0.075 lb/MMBtu on a 24-hour weighted block average. The previously permitted BACT limit of 50 ppm was unattainable concurrently with NOx LAER, therefore, 100ppm or 0.075 lb CO/MMBtu is BACT while complying with NOx LAER.	To demonstrate compliance with this requirement, Greenidge maintains and operates a continuous emission monitoring system (CEMS) to monitor the CO emissions at the stack. Records are maintained at the facility for a minimum of five years.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
69	6 NYCRR Subpart 201-6	Emission Unit: G-00004 Process: P75	The permittee shall only burn wood which has not been treated with creosote, pentachlorophenol chromate, copper arsenate, or other copper, chromium or arsenical preservatives. Each delivery must be accompanied by documentation from suppliers demonstrating that the respective load meets biomass specifications listed in this permit. The Permittee shall inspect each delivery upon receipt and during unloading for any materials or items that are not authorized by this permit. If any such materials are identified those materials must be removed and the supplier be notified. Those materials must be disposed following the plan approved by NYSDEC. The Permittee shall develop a plan that shall explicitly identify the procedures that should be used to manage and dispose those materials that were identifies as not permitted for combustion. This plan shall be approved by NYSDEC. The Permittee shall maintain records of: (1) documentation from the suppliers and (2) the amount of removed/rejected materials, and the reason for rejection.	The Greenidge facility will maintain records showing the quantity and demonstrating loads meet biomass specifications listed in the permit of all biomass delivered to the facility.
70	6 NYCRR 231-5.4	Emission Unit: G-00004 Process: P75	The NOx emission limit will be 0.05 lb/MMBtu for a 30 day block weighted average while co-firing natural gas and up to 19% biomass. This limit does not apply during start up, shutdown, malfunction, and upsets. This limit is more stringent than the NOx RACT requirements of 6 NYCRR Part 227-2. That being the case, only the most stringent NOx limitation (LAER) is included in the permit to avoid conflicting NOx emission limits for this process.	Greenidge maintains and operates a continuous emission monitoring system (CEMS) to monitor the NOx emissions at the stack. Records are maintained at the facility for a minimum of five years.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
71	6 NYCRR 231-5.4	Emission Unit: G-00004 Process: P75	This emission limitation of 0.058 lb/MMBtu 1-hour block average represents the Lowest Achievable Emission Rate (LAER) when the facility is co-firing natural gas and up to 19% biomass. This limit does not apply during start up, shutdown, malfunction and upsets. Continuous compliance will be demonstrated by use of a NOx CEMS. The averaging period for this limit is 1 block-hour period. In the event that the CEMS outlet data collected by the Permittee before the date of the initial compliance performance testing or the actual data supplied by the initial compliance performance testing indicates that the Permittee cannot meet the 0.058 lb/MMBtu NOx limit, the NYSDEC may adjust this NOx emission limit upward at a level not to exceed two standard deviations above the mean of the three 1-hour test runs. The new (adjusted) level of NOx emission limit cannot exceed 0.08 lb/MMBtu, while the boiler is fired on a combination of natural gas and up to 19% biomass. The exceedances of the NOx limit of 0.058 lb/MMBtu that may occur prior to the date of the initial compliance performance testing, and, which would be below 0.08 lb/MMBtu (for a combination of natural gas and up to 19% biomass) shall not be considered a violation of the permit conditions. This limit is more stringent than the NOx RACT requirements of 6 NYCRR Part 227-2.	Greenidge maintains and operates a continuous emission monitoring system (CEMS) to monitor the NOx emissions at the stack. Records are maintained at the facility for a minimum of five years.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
72	6 NYCRR 231-7.5	Emission Unit: G-00004 Process: P75	While co-firing natural gas and up to 19% biomass emissions of PM2.5 from Unit G-00004 must not exceed 0.031 lb/MMBtu. An initial stack test to demonstrate compliance with the PM2.5 emission rate (comprised of 3 test runs of not less than 1-hour sampling period per test run), must be completed within 180 days of introduction of biomass co-firing for the purposes of commercial production of power, but no later than 180 days after the initial startup of Boiler #6. For the purposes of this permit: (1) "beginning of commercial production of power" shall mean the first time when Unit #4 (which is the combination of the existing turbine steam generator and Boiler #6) achieves minimum operating load of 40 Megawatts; and (2) startup means the setting in operation of an affected facility for any purpose, as defined at 40 CFR 60.2. In the event that during the initial compliance performance testing it would be determined that the Permittee cannot meet the 0.031 lb/MMBtu co-firing natural gas and biomass, the NYSDEC may adjust each emission limit upward at a level not to exceed two standard deviations above the mean (which is the average of the three stack test runs of no less than 1-hour sampling period for each test run). The new (adjusted) levels of total PM2.5 emission limits cannot exceed 0.0419 lb/MMBtu. The exceedances of the PM2.5 limit of 0.031 lb/MMBtu that may occur during the initial compliance performance testing and, that would be below 0.0419 lb/MMBtu shall not be considered violations of the permit conditions. Additional compliance testing for PM2.5 emissions from Unit G-00004 will be required annually.	Control equipment and compliance with permit terms ensures that PM-2.5 emissions do not exceed 0.002 lb/MMBtu. Reports of PM-2.5 emissions will be submitted on a semi-annual basis.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
73	6 NYCRR 231-7.5	Emission Unit: G-00004 Process: P75	While co-firing natural gas and up to 19% biomass emissions of filterable PM from Unit G-00004 must not exceed 0.01 lb/MMBtu. An initial stack test to demonstrate compliance with the PM emission rate (comprised of 3 test runs of not less than 1-hour sampling period per test run), must be completed within 180 days of the beginning of commercial production of power, but not later than 180 days after initial startup of Boiler #6. For the purposes of this permit: (1) "beginning of commercial production of power" shall mean the first time when Unit #4 (which is the combination of the existing turbine steam generator and Boiler #6) achieves minimum operating load of 40 Megawatts; and (2) startup means the setting in operation of an affected facility for any purpose, as defined at 40 CFR 60.2. Additional compliance testing for PM emissions from Unit G-00004 will be conducted annually.	Control equipment and compliance with permit terms ensures that particulate emissions do not exceed 0.01 lb/MMBtu. Reports of particulate emissions will be submitted on a semi-annual basis.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
74	6 NYCRR 231-7.5	Emission Unit: G-00004 Process: P75	While co-firing natural gas and biomass emissions of PM-10 from Unit G-00004 must not exceed 0.031 lb/MMBtu. An initial stack test to demonstrate compliance with the PM-10 emission rate (comprised of 3 test runs of not less than 1-hour sampling period per test run), must be completed within 180 days of the beginning of commercial production of power, but no later than 180 days after initial startup of Boiler #6. For the purposes of this permit: (1) "beginning of commercial production of power" shall mean the first time when Unit #4 (which is the combination of the existing turbine steam generator and Boiler #6) achieves minimum operating load of 40 Megawatts; and (2) startup means the setting in operation of an affected facility for any purpose, as defined at 40 CFR 60.2. In the event that during the initial compliance performance testing it would be determined that the Permittee cannot meet the 0.031 lb/MMBtu co-firing natural gas and biomass, the NYSDEC may adjust the emission limit upward at a level not to exceed two standard deviations above the mean (which is the average of the three stack test runs of no less than 1-hour sampling period for each test run). The new (adjusted) levels of PM-10 emission limits cannot exceed 0.0419 lb/MMBTU. The new limits can only be established based on the NYSDEC's and EPA's review of the performance compliance testing data. The exceedances of the PM-10 limits of 0.031 lb/MMBTU that may occur during the initial compliance performance testing and, that would be below 0.0419 lb/MMBtu shall not be considered violations of the permit conditions. Additional compliance testing for PM-10 emissions from Unit G-00004 will be conducted annually.	Control equipment and compliance with permit terms ensures that PM-10 emissions do not exceed 0.031 lb/MMBtu. Reports of PM-10 emissions will be submitted on a semi-annual basis.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
75	6 NYCRR 231-7.6	Emission Unit: G-00004 Process: P75	Leak detectors shall be used to ensure proper operation of the baghouse. The Permittee shall install, calibrate, maintain, and continuously operate a Bag Leak Detection System; Each Bag Leak Detection System must be installed, operated, calibrated and maintained in a manner consistent with the manufacturer's written specifications and recommendation. The Bag Leak Detection System sensor must provide output relative or absolute particulate matter loadings, and must be equipped with a device to continuously record the output signal from the sensor. The Bag Leak Detection System must be equipped with an alarm system that will sound automatically when an increase in relative particulate matter emissions over a preset level is detected. Visual inspections shall be conducted as soon as practical, but no later than one hour after an alarm is received. If a leak is detected by visual inspection the affected baghouse module will be taken offline and necessary repairs shall be made before resuming use of the module. Records of alarms, inspection results and filter replacements shall be maintained on site an made available to the Department upon request.	All leak detectors and bag leak detection system will be in operation during all periods of biomass fuel combustion, calibration, quality assurance, and preventive maintenance performed. Greenidge, through proper maintenance and calibration of monitoring devices, ensures that all Bag Leak Detection System are equipped to continuously record relative particulate matter emissions and have an alarm system. Records are maintained at the facility for a minimum of five years.
76	6 NYCRR 231-7.6	Emission Unit: G-00004 Process: P75	The Permittee shall use the fabric filters baghouse at all times biomass is fired in Boiler #6. Baghouse pressure drop shall be measured and recorded as an indicator of particulate emission control. The pressure drop values are valid between 30 and 107 MW operating load. On a calendar quarter basis, the owner or operator shall submit to the DEC a report stating all periods where the baghouse differential pressure exceeded the permitted levels. For each such period, the owner or operator shall state the time the excursion commenced; the time the excursion ceased; the cause of the excursion; and the corrective action taken to resolve the excursion.	Fabric filter baghouse will be in operation during all periods of biomass fuel combustion, calibration, quality assurance, and preventive maintenance performed. Pressure drop values will be monitored during baghouse operation. As needed, the facility will report baghouse differential pressure exceedances to the Department quarterly. Records are maintained at the facility for a minimum of five years.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
77	6 NYCRR 231-7.6	Emission Unit: G-00004 Process: P75	CO emissions shall not exceed 100 ppm by volume at 3% O2 on a 24-hour weighted block average while cofiring natural gas and up to 19% biomass. This equates to 0.075 lb/MMBtu on a 24-hour block average. In the event that the CEMS outlet data collected by the Permittee before the date of the initial compliance performance testing (provided that the Permittee has conducted the CEMS performance evaluation as required by EPA), which is required by the permit for other pollutants, would indicate that the Permittee cannot meet the 0.075 lb/MMBtu CO BACT limits, NYSDEC may adjust each one of the CO emissions limits upward at a level not to exceed two standard deviations above the average of the CO CEMS outlet data collected by the Permittee before the date of the initial compliance performance testing. The new (adjusted) CO emission limits cannot exceed 0.151 lb/MMBtu and 200 ppm by volume, while the boiler is fired on a combination of natural gas and up to 19% biomass. The exceedances of the CO limit of 0.075 lb/MMBtu and 100 ppm by volume that may occur prior to the date of the initial compliance performance testing required by this permit for other pollutants and, which would be below 0.151 lb/MMBtu and 200 ppm by volume (for a combination of natural gas and up to 19% biomass) shall not be considered violations of the permit conditions.	To demonstrate compliance with this requirement, Greenidge maintains and operates a continuous emission monitoring system (CEMS) to monitor the CO emissions at the stack. Records are maintained at the facility for a minimum of five years.
78	6 NYCRR 231-7.6	Emission Unit: G-00004 Process: P75	CO emissions shall not exceed 100 ppm by volume at 3% O2 on a 30-operating day weighted block average while co-firing natural gas and up to 19% biomass. This equates to 0.075 lb/MMBtu on a 30-operating day weighted block average.	To demonstrate compliance with this requirement, Greenidge maintains and operates a continuous emission monitoring system (CEMS) to monitor the CO emissions at the stack. Records are maintained at the facility for a minimum of five years.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
79	6 NYCRR Subpart 201-6	Emission Unit: G-00005	The facility cannot fire biomass by itself – the unit is designed only for co-firing of biomass together with a primary fuel. Greenidge has committed to limiting the boiler startup fuel to natural gas only. Biomass would not be introduced until the air pollution control train is at operating temperature, ammonia is being injected, and all emission limitations are in compliance. Only then would biomass firing be added gradually through the installed injection ports. Greenidge will have the ability to control the addition of biomass at a rate and amount as-necessary to maintain compliance with all of its federally enforceable emission limitations. Similarly, in a planned outage, biomass firing will be suspended prior to transitioning to zero load on natural gas. The biomass charged to the boiler # 6 must have a minimum heating value of 5,000 Btu/lb. The requirements of 6 NYCRR Part 212 are effectively met as these conditions are beyond what Part 212 would typically require.	The Greenidge facility will develop protocols prior to biomass co-firing to ensure compliance with co-firing or biomass requirements.
80	6 NYCRR 212-1.6 (a)	Emission Unit: G-00005	No facility owner or operator shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water. Monitoring shall consist of daily observation of equipment operation. Any observed visible emissions will be immediately investigated and corrected and documented in semiannual reporting.	Greenidge uses a COM system to monitor opacity.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
81	6 NYCRR Subpart 231-7	Emission Unit: G-00005	Compliance with PSD regulations for the biomass handling, storage, and processing system shall be demonstrated by the following the established operating and work practices. The Permittee shall install and continuously operate and maintain the following air pollution control equipment for the control of particulate emissions resulting from the biomass handling, storage, and processing system: • Fabric Filter for the wood hammer mill • Bin Vent Filter for the processed wood conveyance system The pressure drop (inches of column water) across the fabric filter controlling the wood hammer mill and the bin vent filter controlling the wood conveyance system shall be maintained within a range of 1 to 5 inches while the emission unit is in operation.	The Greenidge facility will utilize fabric filters and bin vent filters for biomass handling.
82	6 NYCRR Subpart 231-7	G-FABAH	Ash Handling, Storage, and Disposal System-BACT Limits The combustion of biomass (unadulterated and resinated wood) in Boiler #6 would result in the formation of bottom and fly ash.	The Greenidge facility will comply with BACT limits for ash handling, storage, and disposal
83	6 NYCRR Subpart 231-7	G-FUGTV	The fugitive emissions of PM, PM10, and PM2.5 from the outdoor biomass storage, enclosed processing buildings, biomass handling, storage, and processing system, fly and bottom ash handling, storage, and disposal systems, and truck traffic on facility roadways shall not exceed the following limits for each BACT pollutant.	The Greenidge facility will comply with BACT limits for biomass handling, storage, and disposal systems, fly and bottom ash handling, storage, and disposal, and truck traffic.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
84	6 NYCRR Subpart 231-7	G-XEMPT	Visible emissions from Emergency Generator, Fire Pump and Natural Gas Heater combustion sources shall not exceed exhibit greater than 20% opacity (based on six minute average) except for one six-minute period per hour of no more than 27% opacity. This is a BACT requirement. Initial Compliance Test: The Permittee shall conduct initial compliance performance testing for visible emissions no later than 180 days of startup of the emergency generator, emergency fire pump and natural gas heater. The Permittee shall conduct performance testing for visible emissions on an annual basis.	Visible emissions testing will be conducted for the Emergency Generator and Natural Gas heater during this reporting period.
85	6 NYCRR Subpart 231-7	G-XEMPT	Determination of actual GHG emissions resulting from the emergency generator, emergency fire pump and natural gas heater: The GHG global warming potentials and the default CO ₂ , CH ₄ and N ₂ O emission factors used for the calculation of the GHG emissions (as CO ₂ e) resulting from the emergency diesel generator, and the emergency fire pump and natural gas heater shall be equal with those contained in 40 CFR Part 98. The heating values of the ULSD fuel oil No. 2, and natural gas used for the calculations of the GHG emissions shall equal the following: 0.138 MMBtu/gallon for ULSD fuel oil No. 2; 1,020 BTU/scf for natural gas; The GHG emissions (as CO ₂ e) for the emergency generator, the emergency generator fire pump and natural gas heater shall be determined separately by calculations based on the: Actual measured ULSD fuel oil No.2 and natural gas consumption rates; CO ₂ , CH ₄ and N ₂ O emission factors and fuel heating value specified in this permit; GHG emissions (as CO ₂ e) shall be determined by adding the CO ₂ , CH ₄ , and N ₂ O emissions.	Greenidge follows the calculation methodology identified in Part 98 for its GHG reporting obligations.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
86	6 NYCRR Subpart 231 7	Emission Unit: G-XEMPT Process: DFP	The Permittee shall operate an emergency diesel fire pump that has a nameplate capacity that shall not exceed a maximum power output of 276 brake horse power (BHP). The Permittee shall maintain documentation that would demonstrate that the emergency diesel fire pump was installed on or before 2001.	The diesel fire pump was removed from the Facility on October 14, 2019
87	6 NYCRR Subpart 231-7	Emission Unit: G-XEMPT Process: EGN	The following provides a description and compliance requirements for the emergency diesel generator. Compliance demonstration will be made available for review upon request.	The emergency generator complies with all requirements.
88	6 NYCRR Subpart 231-7	Emission Unit: G-XEMPT Process: NGH	The Permittee shall install and operate a natural gas heater that has a nameplate that shall not exceed 5 MMBtu/hr. This natural gas heater shall combust only pipeline quality natural gas. The hours of operation for the natural gas heater are not limited (i.e., unrestricted at 8,760 hr/yr).	Greenidge operates a natural gas heater with a maximum heat input rate of less than 5 MMBtu/hr and only combusts pipeline quality natural gas. Proper operation and maintenance ensures that BACT and LAER emission limitations are not exceeded.
Item A	6 NYCRR 201-1.5	State Only: Facility Level	An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.	In the event of an emergency Greenidge will follow the procedures as defined in this condition.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
Item B	6 NYCRR Part 201-5	State Only: Facility Level	Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit. 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.	Greenidge operates the facility in accordance with all criteria, emission limits, terms, conditions, and standards in the permit.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
89	ECL 19-0301	State Only: Facility Level	Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions). CAS No: 000124-38-9 Name: CARBON DIOXIDE CAS No: 000630-08-0 Name: CARBON MONOXIDE CAS No: 007446-09-5 Name: SULFUR DIOXIDE CAS No: 007664-41-7 Name: AMMONIA CAS No: 0NY075-00-0 Name: PARTICULATES CAS No: 0NY075-00-5 Name: PM-10 CAS No: 0NY075-02-5 Name: PM 2.5 CAS No: 0NY210-00-0 Name: OXIDES OF NITROGEN CAS No: 0NY750-00-0 Name: CARBON DIOXIDE EQUIVALENTS CAS No: 0NY998-00-0 Name: VOC	Greenidge conducts operations to keep emissions of the listed contaminants within the permitted limits.

GREENIDGE GENERATION METHODS USED TO DETERMINE COMPLIANCE TITLE V PERMIT RENEWAL APPLICATION

CURRENT TITLE V PERMIT EFFECTIVE DATE: APRIL 25, 2019

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
90	6 NYCRR 201-1.4	State Only: Facility Level	The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction. The facility owner or operator shall compile and maintain	Greenidge keeps records of all equipment malfunctions, maintenance and start-up/shutdown activities that could possibly result in exceedance of an emission standard.
			records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source.	
91	6 NYCRR 242-1.4 (b)	State Only : Facility	(1) Applicability. Notwithstanding Subdivision (a) of this Section, any unit that, on or before December 1, 2008, applies for a enforceable permit condition restricting the supply of the unit's annual electrical output to the electric grid to less than or equal to 10 percent of the annual gross generation of the unit, and that from and after January 1, 2009 complies with the 10 percent restriction and the provisions in Paragraph (b)(3) of this Section, shall be exempt from the requirements of this Part, except for the provisions of this Section, Sections 242-1.2, 242-1.3, and 242-1.6 of this Part.	The facility has not applied for an enforceable permit condition restricting the facility's electrical output to the electric grid to less than 10 percent.
92	6 NYCRR 242-1.5	State Only : Facility	The owners and operators of a CO ₂ budget source that has excess emissions in any control period shall: (1) forfeit the CO ₂ allowances required for deduction under 6 NYCRR Part 242-6.5(d)(1), provided CO ₂ offset allowances may not be used to cover any part of such excess emissions; and (2) pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR Part 242-6.5(d)(2).	Greenidge did not exceed its CO ₂ budget allowances for this reporting period. Greenidge understands that it will forfeit CO ₂ allowances and pay any fines or penalties in the event of excess emissions.

GREENIDGE GENERATION METHODS USED TO DETERMINE COMPLIANCE TITLE V PERMIT RENEWAL APPLICATION

CURRENT TITLE V PERMIT EFFECTIVE DATE: APRIL 25, 2019

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
93	6 NYCRR 242-1.5	State Only : Facility	The owners and operators and, to the extent applicable, the CO ₂ authorized account representative of each CO ₂ budget source and each CO ₂ budget unit at the source shall comply with the monitoring requirements of Subpart 242-8. The emissions measurements recorded and reported in accordance with Subpart 242-8 of this Part shall be used to determine compliance by unit.	The recordkeeping and report provisions of 6 NYCRR 242-8 will ensure Greenidge's compliance with this rule.
94	6 NYCRR 242-1.5	State Only : Facility	The owners and operators of the CO ₂ budget source and each CO ₂ budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the department.	The facility will keep on site at the source each of the following documents for a period of 10 years from the date the document is created. Reports are submitted semi-annually. (i) The account certificate of representation for the CO ₂ authorized account representative for the source and each CO ₂ budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4 (ii) All emissions monitoring information, in accordance with Subpart 242-8 and 40 CFR 75.57. (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO ₂ Budget Trading Program.
95	6 NYCRR Subpart 242-4	State Only : Facility	For each control period in which a CO ₂ budget source is subject to the CO ₂ requirements of subdivision 242-1.5(c) of this Part, CO ₂ authorized account representative of the source shall submit to the department by March 1st following the relevant control period, a compliance certification report. The control period is a three-calendar-year time period.	The facility's CO ₂ authorized account representative submits to the department by March 1st a compliance certification report.

Previous Condition Number	Applicable Requirement	Permit Level	Description of Requirement	Methods used to determine compliance
96	6 NYCRR 242-8.5	State Only : Facility	General provisions. The CO ₂ authorized account representative shall comply with all recordkeeping and reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.	The facility's CO ₂ authorized account representative submits quarterly reports to the department through the EPA's ECMPS database.
1-4	6 NYCRR 201-5.4	State Only : Emission Unit	Greenidge is limited to 242.3 pounds of NOx per startup/shutdown event. The 05/31/2018 NOx Emissions Startup and Shutdown Plan while firing 100% natural gas (process P65) has been approved. Startup is defined as the period beginning with the initial firing of Unit G-00004 on natural gas and ending at the time when the Unit has achieved minimum generating load and the required air pollution control equipment is operational. Shutdown is defined as any planned cessation of electricity generation while firing natural gas only.	The facility maintains records of emissions during SU/SD events.
1-5	6 NYCRR 201-5.4	State Only : Emission Unit	NOx Emissions from Startup (SU) and shutdown (SD) events shall be limited to 242.3 pounds per SU or SD event until such time that fifteen startups and fifteen shutdowns of Emission Unit G-00004 have occurred.	The Startup/shutdown plan was submitted on 05/31/2018 and approved on or about 11/01/2018.