

Facility DEC ID: 8269900126

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
 Permit ID: 8-2699-00126/00001
 Mod 0 Effective Date: 04/01/2021 Expiration Date: 03/31/2026
 Mod 1 Effective Date: 10/17/2023 Expiration Date: 03/31/2026

Permit Issued To: RED-ROCHESTER LLC
 640 QUAIL RIDGE DR
 WESTMONT, IL 60559

Contact: ERIC GOTTUNG
 RED-ROCHESTER LLC
 640 QUAIL RIDGE DR
 WESTMONT, IL 60559
 (630) 590-6045

Facility: RED-ROCHESTER LLC AT EASTMAN BUSINESS PARK
 EASTMAN BUSINESS PARK UTILITIES WATER, POWER,
 WASTEWATER|1669 LAKE AVE
 ROCHESTER, NY 14650-0001

Contact: BERNARD M NEE, JR
 RED-ROCHESTER LLC
 1200 RIDGEWAY AVE STE 2121
 ROCHESTER, NY 14615-0001

Description:
 Minor modification of the RED-Rochester, LLC Air Title V facility permit to add a 630-bhp diesel-fired starter engine for the combustion turbine. The starter engine will be used to accelerate and maintain the speed of the turbine until the turbine reaches a self-sustaining speed. The starter engine is used for turbine start-up only and will operate for a limited number of hours per year and is included under Emission Unit U-00015, Process K28.

Minor changes to permit conditions have been made to reflect the addition of the starter engine. The starter engine is subject to 40 CFR 60, Subpart IIII NSPS for Stationary Compression Ignition Internal Combustion Engines. The facility must comply with the applicable requirements of Subpart IIII. Additionally, the starter engine must be certified to meet EPA’s Tier 4f emission standards.

Facility operations are unchanged and include natural gas-fired boilers (with oil backup) producing steam and electrical power for commercial customers within the park, and wastewater treatment operations, wastewater sludge incineration, solvent based metal part cleaning, and emergency power generation. Utility operations primarily occur in eight buildings in Eastman Business Park Buildings 31, 321, 371, M90, 95, 91, R16, and 96. Emergency generators are located throughout Eastman Business Park. These operations are identified in this permit by the following Emission Units (EU):

- E-ENGINE - Stationary combustion engines

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- U-00008 - Kings Landing Wastewater Treatment operations and associated fugitive emissions
- U-00015 - Buildings 31, 321, and 371 stationary combustion installations, including package and built-up boilers for generation of steam and electricity
- U-CLEAN - Solvent metal parts cleaners and associated fugitive emissions

RED-Rochester, LLC remains subject to 6 NYCRR 201-6 and required to maintain an Air Title V facility permit due to potential emissions of oxides of nitrogen, carbon monoxide, volatile organic compounds, particulates (PM_{2.5} and PM₁₀), and total hazardous air pollutants in excess of their respective major source thresholds. Additionally, facilities subject to 40 CFR 63, Subpart EEE - Hazardous Waste Combustor NESHAP are required to obtain an Air Title V permit per 40 CFR 63.1200(a).

Emission Reduction Credits (ERCs) were established in Renewal 0, Mod 1 of the Air Title V permit under 6 NYCRR Part 231-10 for the reductions from the Powerhouse Conversion Project. The following ERCs established in the prior permit were used for "Netting" to avoid 6 NYCRR Part 231-6 and Part 231-8 significant project thresholds: NO_x: 559.6 tpy; PM_{2.5}: 215.7 tpy; PM₁₀: 203.1 tpy; PM: 187.5 tpy; CO: 108.6 tpy VOC: 5.0 tpy. Boiler operations (U-00015) continue to be subject to netting limits for NO_x, PM_{2.5}, PM₁₀, PM, CO, and VOC under 6 NYCRR 231 to remain below New Source Review thresholds.

The boilers remain subject to 40 CFR 60, NSPS Subpart Db and/or 40 CFR 63, NESHAP Subpart DDDDD. The Multiple Hearth Incinerator (MHI) (ES 095AF) located at the King's Landing Wastewater Treatment Plant (EU U-00008) remains subject to 40 CFR 63, Subpart EEE - Hazardous Waste Combustor NESHAP. This permit renewal also includes updated operating limits for the MHI based on the Comprehensive Performance Test conducted in July 2018.

The grit chamber (ES 096AA) continues to meet the requirements of VOC RACT under 6 NYCRR 212-3.1(f) using a carbon adsorption system. The wet scrubbers (EP R1601) continue to be subject to a 9.0 tons per year VOC emission cap in accordance with a VOC RACT variance.

Since the Ren 1, Mod 0 permit the facility owner or operator has commenced construction of the combustion turbine and duct burner (Sources 321BA and 321BE, respectively) which were authorized to operate under prior permits. The purchased combustion turbine is natural gas-fired only. Therefore, requirements for the combustion turbine firing fuel oil have been removed as part of this modification and the equipment heat input updated to reflect actual equipment specifications.

In response to a request by the Department, a case-by-case NO_x RACT analysis for the combustion turbine and duct burner was submitted by the facility owner or operator on November 29, 2022 to evaluate whether the existing permit limits are still considered RACT. Based on this analysis, the existing permit limits for the combustion turbine and duct burner are still considered RACT and will be met using dry low-NO_x burners on the combustion turbine. This analysis has been approved by the Department and the listed controls for the combustion turbine have been updated to dry low-NO_x burners accordingly. No changes are made to the requirements and limits for the combustion turbine or duct burner while firing natural gas.

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By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: THOMAS P HALEY
 6274 E AVON LIMA RD
 AVON, NY 14414-9519

Authorized Signature: _____ Date: ___ / ___ / ___

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Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

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- 6 2 Relationship of this Permit to Other Department Orders and Determinations
- 6 3 Applications for permit renewals, modifications and transfers
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Facility Level

- 7 5 Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS

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DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

Item 3.3

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(585) 226-2466

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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WESTMONT, IL 60559

Facility: RED-ROCHESTER LLC AT EASTMAN BUSINESS PARK
EASTMAN BUSINESS PARK UTILITIES WATER, POWER,
WASTEWATER|1669 LAKE AVE
ROCHESTER, NY 14650-0001

Authorized Activity By Standard Industrial Classification Code:
4931 - ELEC & OTHER SERVICES COMBINED

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12	4	6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
12	5	6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
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18	10	6 NYCRR 200.7: Maintenance of Equipment
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19	13	6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
19	14	6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
19	15	6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
19	16	6 NYCRR 201-6.4 (a) (8): Right to Inspect
20	17	6 NYCRR 202-1.1: Required Emissions Tests
20	18	40 CFR Part 68: Accidental release provisions.
21	19	40CFR 82, Subpart F: Recycling and Emissions Reduction
21	20	6 NYCRR Subpart 201-6: Emission Unit Definition
22	21	6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
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27	24	6 NYCRR 211.2: Visible Emissions Limited
27	25	6 NYCRR 212-1.1 (a) (1): Compliance Certification
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- 49 1-10 6 NYCRR 231-11.2 (c): Compliance Certification
- 50 1-11 40CFR 52.21, Subpart A: Compliance Certification
- 51 1-12 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
- 52 1-13 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
- 54 1-14 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
- 54 1-15 40CFR 60, NSPS Subpart III: Applicability
- 55 39 40CFR 61, NESHAP Subpart M: National Emission Standard for Asbestos
- 55 40 40CFR 61.342(a), NESHAP Subpart FF: Compliance Certification
- 58 41 40CFR 61.356(a), NESHAP Subpart FF: Recordkeeping
- 58 42 40CFR 61.356(b)(1), NESHAP Subpart FF: Compliance Certification
- 59 43 40CFR 61.357(a), NESHAP Subpart FF: Compliance Certification
- 60 44 40CFR 61.357(b), NESHAP Subpart FF: Compliance Certification
- 61 1-16 40CFR 63.7565, Subpart DDDDD: General provisions
- 61 1-17 40CFR 63, Subpart ZZZZ: Applicability
- 62 1-18 40CFR 63.6665, Subpart ZZZZ: General provisions

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- 62 47 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 64 48 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=E-NGINE

- 69 49 6 NYCRR 227-1.4 (a): Compliance Certification
- 70 50 6 NYCRR 227-2.4 (d): Compliance Certification

EU=U-00008

- 71 51 6 NYCRR 211.2: Compliance Certification
- 72 52 40CFR 63.680(d), Subpart DD: Compliance Certification
- 73 53 40CFR 63.680(f), Subpart DD: Applicability of 40 CFR
63 Subpart A - General Provisions
- 74 54 40CFR 63.680(f), Subpart DD: Compliance Certification

EU=U-00008,Proc=K02

- 74 55 40CFR 61, NESHAP Subpart A: Applicability of General
Provisions of 40 CFR 61, Subpart A
- 75 56 40CFR 63.1200(c), Subpart EEE: Compliance Certification
- 76 57 40CFR 63.1206(c)(3), Subpart EEE: §63.1206(c)(3)(ii)
- Ducting of combustion gases
- 76 58 40CFR 63.1209(a)(6), Subpart EEE: Compliance Certification
- 77 59 40CFR 63.1209(b)(5), Subpart EEE: Compliance Certification
- 78 60 40CFR 63.1211(a), Subpart EEE: Compliance Certification
- 79 61 40CFR 63.1211(a), Subpart EEE: Compliance Certification

EU=U-00008,Proc=K04

- 79 62 6 NYCRR 229.5 (d): Compliance Certification

EU=U-00008,Proc=K04,ES=091AE

- 80 63 6 NYCRR 229.3 (e) (2) (v): VOL storage tanks less than 10000 gallons

EU=U-00008,Proc=K04,ES=095AK

- 80 64 6 NYCRR 229.3 (e) (2) (iv): VOL storage tanks from 10000 - 20000 gallons

EU=U-00008,EP=09503

- 81 65 6 NYCRR 212-3.1 (c) (3): Compliance Certification

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82	66 40CFR 63.1206(c), Subpart EEE: Compliance Certification
83	67 40CFR 63.1206(c)(2), Subpart EEE: Compliance Certification
84	68 40CFR 63.1206(c)(3), Subpart EEE: §63.1206(c)(3)(v) - Corrective measures
85	69 40CFR 63.1206(c)(3), Subpart EEE: Compliance Certification
85	70 40CFR 63.1206(c)(3), Subpart EEE: Compliance Certification
86	71 40CFR 63.1206(c)(4), Subpart EEE: Corrective measures after an emergency safety vent opening
86	72 40CFR 63.1206(c)(4), Subpart EEE: Compliance Certification
87	73 40CFR 63.1206(c)(4), Subpart EEE: Compliance Certification
88	74 40CFR 63.1206(c)(4), Subpart EEE: Compliance Certification
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89	76 40CFR 63.1206(c)(5), Subpart EEE: Compliance Certification
90	77 40CFR 63.1206(c)(6), Subpart EEE: §63.1206(c)(6)(ii) - Certified operator on site
91	78 40CFR 63.1206(c)(6), Subpart EEE: §63.1206(c)(6)(vii) - Record of training and certification
91	79 40CFR 63.1206(c)(6), Subpart EEE: Compliance Certification
93	80 40CFR 63.1206(c)(6), Subpart EEE: Compliance Certification
93	81 40CFR 63.1206(c)(7), Subpart EEE: Compliance Certification
94	82 40CFR 63.1207, Subpart EEE: Comprehensive Performance Test (CPT)
95	83 40CFR 63.1207, Subpart EEE: Confirmatory Performance Test (CfPT)
96	84 40CFR 63.1207(j)(1), Subpart EEE: Notification of compliance for comprehensive performance test
96	85 40CFR 63.1207(j)(2), Subpart EEE: Notification of compliance for confirmatory performance testing
96	86 40CFR 63.1207(l), Subpart EEE: Failure of performance test - comprehensive test
97	87 40CFR 63.1207(l), Subpart EEE: Failure of performance test - confirmatory test
98	88 40CFR 63.1209(b), Subpart EEE: Compliance Certification
98	89 40CFR 63.1209(c)(2), Subpart EEE: Compliance Certification
99	90 40CFR 63.1209(g)(2), Subpart EEE: Compliance Certification
100	91 40CFR 63.1209(g)(2), Subpart EEE: Compliance Certification
101	92 40CFR 63.1209(g)(2), Subpart EEE: Compliance Certification
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110	100 40CFR 63.1209(l)(2), Subpart EEE: Compliance Certification
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112	102 40CFR 63.1209(m)(1)(i)('B')('1'), Subpart EEE: Compliance Certification
113	103 40CFR 63.1209(m)(1)(i)('B')('1'), Subpart EEE: Compliance Certification
114	104 40CFR 63.1209(m)(1)(i)('C'), Subpart EEE: Compliance Certification
115	105 40CFR 63.1209(m)(1)(i)('C'), Subpart EEE: Compliance Certification
116	106 40CFR 63.1209(m)(3), Subpart EEE: Compliance Certification
117	107 40CFR 63.1209(n)(2), Subpart EEE: Compliance Certification
118	108 40CFR 63.1209(n)(2), Subpart EEE: Compliance Certification
120	109 40CFR 63.1209(o)(1), Subpart EEE: Compliance Certification

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- 121 110 40CFR 63.1209(o)(3)(ii), Subpart EEE: Compliance Certification
- 122 111 40CFR 63.1209(o)(3)(iv), Subpart EEE: Compliance Certification
- 123 112 40CFR 63.1209(o)(3)(v), Subpart EEE: Compliance Certification
- 124 113 40CFR 63.1211(b), Subpart EEE: Compliance Certification
- 126 114 40CFR 63.1219(a), Subpart EEE: Compliance Certification
- 127 115 40CFR 63.1219(a), Subpart EEE: Compliance Certification

EU=U-00008,EP=09503,Proc=K02

- 128 116 6 NYCRR 212-1.5 (e) (2): Compliance Certification

EU=U-00008,EP=09601,Proc=K06,ES=096AA

- 129 117 6 NYCRR 212-3.1 (f): Compliance Certification
- 130 118 6 NYCRR 212-3.1 (f): Compliance Certification

EU=U-00008,EP=R1601,Proc=K06

- 131 119 6 NYCRR 212-1.5 (d): Compliance Certification
- 132 120 6 NYCRR 212-3.1 (c) (4) (iii): Compliance Certification
- 133 121 6 NYCRR 212-3.1 (c) (4) (iii): Compliance Certification

EU=U-00015

- 135 125 6 NYCRR Subpart 227-2: Compliance Certification
- 135 126 6 NYCRR Subpart 227-2: Compliance Certification
- 136 1-19 6 NYCRR 231-6.2: Compliance Certification
- 138 1-20 6 NYCRR 231-6.2: Compliance Certification
- 139 1-21 6 NYCRR 231-8.2: Compliance Certification
- 141 1-22 6 NYCRR 231-8.2: Compliance Certification
- 143 1-23 6 NYCRR 231-8.2: Compliance Certification
- 145 1-24 6 NYCRR 231-8.2: Compliance Certification
- 147 139 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
- 148 142 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
- 148 143 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
- 149 144 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification

EU=U-00015

- 150 145 40CFR 63.7500(a)(3), Subpart DDDDD: Good air pollution control practices
- 151 147 40CFR 63.7505(d), Subpart DDDDD: Compliance Certification

EU=U-00015

- 153 148 40CFR 63.7510(e), Subpart DDDDD: Initial compliance date for existing sources
- 154 149 40CFR 63.7510(g), Subpart DDDDD: Initial compliance date for new sources subject to work practices
- 154 150 40CFR 63.7520, Subpart DDDDD: Compliance Certification
- 156 151 40CFR 63.7525(a), Subpart DDDDD: Compliance Certification
- 156 152 40CFR 63.7530(b), Subpart DDDDD: Compliance Certification
- 157 153 40CFR 63.7530(h), Subpart DDDDD: Compliance Certification
- 158 154 40CFR 63.7535, Subpart DDDDD: Compliance Certification
- 159 155 40CFR 63.7540(a), Subpart DDDDD: Compliance Certification
- 160 156 40CFR 63.7545(d), Subpart DDDDD: Compliance Certification
- 160 157 40CFR 63.7550(b), Subpart DDDDD: Compliance Certification
- 162 158 40CFR 63.7550(c), Subpart DDDDD: Compliance Certification
- 162 159 40CFR 63.7550(d), Subpart DDDDD: Compliance Certification

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- 163 160 40CFR 63.7550(e), Subpart DDDDD: Compliance Certification
- 164 161 40CFR 63.7550(h), Subpart DDDDD: Compliance Certification
- 165 162 40CFR 63.7555(a), Subpart DDDDD: Compliance Certification
- 166 163 40CFR 63.7555(b), Subpart DDDDD: Compliance Certification
- 167 164 40CFR 63.7555(c), Subpart DDDDD: Compliance Certification
- 167 165 40CFR 63.7555(d), Subpart DDDDD: Compliance Certification
- 168 166 40CFR 63.7560, Subpart DDDDD: Compliance Certification

EU=U-00015

- 169 167 40CFR 63.7565, Subpart DDDDD: General provisions

EU=U-00015,Proc=K07

- 169 168 6 NYCRR 227-1.3 (a): Compliance Certification
- 170 1-25 6 NYCRR 227-1.3 (c): Compliance Certification
- 171 169 6 NYCRR 227-2.5 (c): Compliance Certification
- 172 170 6 NYCRR 227-2.5 (c): Compliance Certification
- 173 1-27 40CFR 63.7500(c), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K14

- 173 172 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
- 175 173 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
- 176 174 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
- 177 175 40CFR 63.7500(a)(1), Subpart DDDDD: Compliance Certification
- 179 176 40CFR 63.7500(a)(2), Subpart DDDDD: Compliance Certification
- 180 177 40CFR 63.7505(c), Subpart DDDDD: Demonstrating Compliance
- 180 178 40CFR 63.7515(h), Subpart DDDDD: Compliance Certification

EU=U-00015,Proc=K22

- 181 179 40CFR 60.46b(f), NSPS Subpart Db: Compliance Certification

EU=U-00015,Proc=K23

- 182 180 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-00015,Proc=K25

- 183 182 6 NYCRR 229.5 (d): Compliance Certification

EU=U-00015,Proc=K25,ES=321AK

- 183 183 6 NYCRR 229.3 (e) (2) (v): VOL storage tanks less than 10000 gallons

EU=U-00015,Proc=K28,ES=321BP

- 184 1-26 6 NYCRR 227-2.4 (f) (3): Compliance Certification

EU=U-00015,EP=PGT01

- 184 1-28 6 NYCRR 227-2.4 (e) (2): Compliance Certification
- 186 1-29 6 NYCRR 227-2.4 (e) (2): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 189 188 ECL 19-0301: Contaminant List
- 190 1-30 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 191 1-31 6 NYCRR 201-1.15: Requirement to Commence Construction
- 191 190 6 NYCRR 201-6.5 (a): CLCPA Applicability

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- 191 191 6 NYCRR 211.1: Air pollution prohibited
192 192 6 NYCRR Subpart 212-2: Compliance Demonstration
Emission Unit Level
- EU=U-00008,EP=09504,Proc=K06,ES=095AG**
193 193 6 NYCRR 212-2.4 (b): Compliance Demonstration
- EU=U-00008,EP=09508,Proc=K06,ES=095AJ**
194 194 6 NYCRR 212-2.4 (b): Compliance Demonstration
- EU=U-00015**
195 195 6 NYCRR 242-1.4 (b): Compliance Demonstration
- EU=U-00015,EP=PGT01**
- 197 1-32 6 NYCRR 251.3 (a) (1): Compliance Demonstration
197 1-33 6 NYCRR 251.3 (a) (1): Compliance Demonstration

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 1/Mod 1/FINAL

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

- Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.
- Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of

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planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item H: Severability - 6 NYCRR 201-6.4 (a) (9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: Permit Shield - 6 NYCRR 201-6.4 (g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

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- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

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Item K: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item L: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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 emission control required.

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Condition 2: Fees
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:

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.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 3.1:

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.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 4.1:

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.

Condition 5: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

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Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (3) (ii)**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

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.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting

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requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Air Compliance Branch
USEPA Region 2 DECA/ACB
290 Broadway, 21st Floor
New York, NY 10007

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 8 Headquarters
6274 East Avon-Lima Road
Avon, NY 14414-9519

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 1/30/2022.
Subsequent reports are due on the same day each year

Condition 8: Recordkeeping requirements
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(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.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.

(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.

(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.

(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.

(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.

(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.

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- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

**Condition 10: Maintenance of Equipment
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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.

**Condition 11: Recycling and Salvage
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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.

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Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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.

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:

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.

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:

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.

Condition 15: Requirement to Provide Information
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 15.1:

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.

Condition 16: Right to Inspect
Effective between the dates of 04/01/2021 and 03/31/2026

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Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 16.1:

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.

**Condition 17: Required Emissions Tests
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 17.1:

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.

**Condition 18: Accidental release provisions.
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:40 CFR Part 68

Item 18.1:

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,

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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. Information should be submitted to:

Risk Management Plan Reporting Center
 C/O CSC
 8400 Corporate Dr
 Carrollton, Md. 20785

Condition 19: Recycling and Emissions Reduction
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 82, Subpart F

Item 19.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 20: Emission Unit Definition
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 20.1(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: E-NGINE

Emission Unit Description:

This emission unit corresponds to two (2) stationary compression ignition engines used as emergency fire pump engines and three (3) small (less than 10 MMBtu/hour) miscellaneous natural gas-fired boilers used for space heat that would otherwise be exempt from permitting.

Building(s): 091
 095
 311
 602

Item 20.2(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00015

Emission Unit Description:

This emission unit corresponds to stationary combustion installations in buildings 31, 321 and 371, including package and built-up boilers. The boilers are capable of firing natural gas and/or fuel oil and are used for the generation of process steam and electricity that is

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supplied throughout Eastman Business Park. This emission unit also includes a combustion turbine and duct burner used for steam and electricity generation.

Building(s): 031
321
371

Item 20.3(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-CLEAN

Emission Unit Description:

This emission unit corresponds to four solvent metal parts washers used for facility operations and maintenance.

Building(s): 027
031
091
321

Item 20.4(From Mod 0):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00008

Emission Unit Description:

This emission unit corresponds to the Kings Landing wastewater treatment plant which receives and treats wastewater from Eastman Business Park. Operations at the treatment plant include general processes associated with wastewater treatment, wastewater treatment sludge incineration in the Multiple Hearth Incinerator (MHI) and associated emissions control equipment, and fugitive emissions from the treatment plant.

Building(s): 091
095
096
R16

Condition 21: Progress Reports Due Semiannually

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 21.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports 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

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(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.

Condition 22: Operational Flexibility

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 201-6.4 (f)

Item 22.1:

A permit modification is not required for changes that are provided for in the permit. Such changes include approved alternate operating scenarios and changes that have been submitted and approved pursuant to an established operational flexibility protocol and the requirements of this section. Each such change cannot be a modification under any provision of Title I of the Clean Air Act or exceed, or cause the facility to exceed, an emissions cap or limitation in the permit. The facility owner or operator must incorporate all changes into any compliance certifications, record keeping, and/or reporting required by the permit.

Condition 23: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 201-6.4 (f)

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

The objective of this condition is to maximize operational flexibility for facility operations by building into the Title V Permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.4(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.6.

II. Changes Reviewed under the Protocol

The following types of physical changes or changes in the method of operation which otherwise would require a permit modification, may be reviewed under this protocol except as otherwise limited under section III.A:

1. New emission sources,
2. 6 NYCRR Part 200 "modifications",
3. Emission point relocations, and

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4. Changes that otherwise could be handled under the minor permit modification process in 6 NYCRR Part 201-6.6.

III. Protocol

A. Changes shall be evaluated under this protocol in accordance with the following criteria:

a. All underlying federal and state requirements with which the new or changed emission source must comply must exist in the Title V permit. The new or changed source will be associated with an existing emissions unit, process, emission source or emission point that has the necessary regulatory citations. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or, subject to Department approval, new conditions proposed, to provide the appropriate monitoring parameters.

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the NSR thresholds identified in 6 NYCRR Part 231. The facility owner or operator will submit documentation of major NSR program non-applicability for Department review and approval consistent with the advance notification provisions of Section III.B below.

c. The protocol shall not be used to make physical changes or changes in the method of operation of existing emission sources that would require a new federally enforceable cap either to avoid major New Source Review requirements or to address and comply with other Clean Air Act requirements such as RACT. Such changes must be addressed via the significant permit modification provisions.

B. Notification Requirements for Changes Reviewed under Protocol

1. The facility owner or operator must notify the Department in writing at least 30 calendar days in advance of making changes reviewed under the protocol which meet the criteria of A.1. a-d, above.

2. Notifications made in accordance with this protocol will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources, and emission points affected by the proposed change with applicable revisions

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shown in a revised Emission Unit Matrix;

b. Description of the proposed change;

c. If appropriate, the identification and description of emissions control technology and compliance terms;

d. Documentation of the project's or emission source's compliance with respect to all state and/or federally applicable requirements according to an established procedure – which includes the following steps:

i. For new emission sources, identify all contaminants and calculate the emission rate potential and maximum projected actual annual emission rates after the proposed change. For changes to existing emission sources, emission rate potential and maximum projected actual annual emission rates shall be provided for all contaminants affected by the change.

ii. Indicate the environmental rating for each contaminant identified in III.B.1.d.i as previously established by the Department or proposed based on the current DAR-1 Ambient Guideline Concentration Table or toxicological review.

iii. Provide the rationale for determining that major NSR does not apply which may include: 1) an explanation that the change is not a source project or modification under 6 NYCRR Part 231, 2) calculations that demonstrate that the emissions increase from the project alone is not significant or, 3) calculations that demonstrate that the net emissions increase for the contemporaneous period is not significant.

iv. Model facility-wide emissions, including emissions from the proposed project, using EPA's AERMOD or another model approved in advance by the Department. Maximum projected actual annual emission rates consistent with current permitting will be used in the model.

v. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source, using the emissions information, environmental ratings, modeling results and knowledge of operations.

e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

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C. Review and Approval of Changes

1. The facility owner or operator is permitted to proceed with the change 30 days from the Department's receipt of the notification or upon prior Departmental approval, whichever is first, unless the Department determines that a more detailed review (in accordance with Section III.C.3 below) or a permit modification (in accordance with Section III.C.2 below) is required.

2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under III.A or that the change may have a significant air quality impact or be otherwise potentially significant under SEQRA (6 NYCRR Part 617).

3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

4. The Department will respond to the permittee in writing with a determination under sections III.C.2 and III.C.3 above within 15 days of receipt of the notification from the permittee.

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, the facility owner or operator must comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with III.A.1.a above.

2. The facility owner or operator must provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol during the corresponding period and a statement of the compliance status of each change.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

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Condition 1-1: Statement dates for emissions statements.
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 202-2.4 (a) (3)

Item 1-1.1:

This facility is required to submit an annual emission statement electronically and these emissions statements must be submitted to the department as per the following schedule:

- (i) March 15th of each year for facilities with three or fewer processes listed in their Title V permit:
- (ii) March 31st of each year for facilities with four to six processes listed in their Title V permit:
- (iii) April 15th of each year for facilities with 7 to 12 processes listed in their Title V permit:
- (iv) April 30th of each year for facilities with 13 or more processes listed in their Title V permit.

Condition 24: Visible Emissions Limited
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 211.2

Item 24.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 25: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 212-1.1 (a) (1)

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility is subject to 6 NYCRR Part 212. This condition is applicable to non-criteria air contaminants emitted from all process emission sources at the facility.

1. Within 180 days of permit expiration, the facility

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owner or operator must submit with their next Title V air permit renewal application (i.e., Renewal 2) a list of all process emission sources (that are not trivial or exempt under 6 NYCRR 201-3 or exceptions under 6 NYCRR 212-1.4) and, for each contaminant emitted from each process emission source submit the following:

- i. the actual emission rate, in pounds per hour;
- ii. the emission rate potential (ERP), as defined in 6 NYCRR 200.1, in pounds per hour;
- iii. a proposed (ER) environmental rating using the criteria detailed in 6 NYCRR 212-1.3.
- iv. annual or short-term air dispersion modeling analyses completed to predict off-site air concentrations as required by Item 3 below. This should include an analysis of VOC emissions, not given an A-rating in item (iii) above, that would otherwise be exempt from the provisions of 6 NYCRR Part 212 as listed in 6 NYCRR Part 212-1.4;
- v. for each High Toxicity Air Contaminant (HTAC) listed in 6 NYCRR 212-2.2, Table 2, the facility-wide actual emissions, in pounds per year; and
- vi. supporting calculations.

2. For each HTAC with a facility-wide actual emission rate less than the corresponding mass emission limit (MEL) stated in 6 NYCRR 212-2.2, Table 2, no further review is required.

3. For those contaminants with a facility-wide actual emission rate in excess of the MEL stated in 6 NYCRR 212-2.2, Table 2, and for all other non-criteria air contaminants, the facility shall comply with the emission reductions specified in 6 NYCRR 212-2.3(b), Table 4, except as provided by Item 5 of this condition (regarding contaminants subject to a federal standard under 40 CFR Parts 60, 61 and 63) and Item 6 (regarding process emissions sources that are exempt).

i. For those contaminants identified in Item 1 of this condition, except those that satisfy Item 2 (HTACs with actual emissions less than the MEL thresholds in 6 NYCRR 212-2.2 Table 2), the owner or operator shall state, for each process source with a contaminant(s) having an ERP equal to or greater than 0.1 lb/hr for A-rated contaminants or 10 lb/hr for all other contaminants, whether the emission rate is compliant with 6 NYCRR

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212-2.3(b), Table 4. The owner shall state the method of control and the method used to determine compliance.

ii. The contaminants identified in Item 1 of this condition with an ERP from a process emission source that is less than 0.1 lb/hr for A-rated contaminants or 10 lb/hr for all other contaminants, except those that satisfy Item 2, shall not be emitted at a rate that results in a predicted ambient concentration in excess of the Annual Guideline Concentration (AGC) or Short term Guideline Concentration (SGC), or any interim AGC or SGC as noted in 6 NYCRR 212-2.3(b), Table 4.

4.i. For each contaminant with an ERP from a process emission source greater than or equal to 0.1 lb/hr for A-rated contaminants or 10 lb/hr for all other contaminants, that does not comply with the specified degree of air cleaning in 6 NYCRR 212-2.3(b), the facility must submit the following:

- (a) a plan to meet the emission reduction specified in 6 NYCRR 212-2.3(b), or
- (b) a toxic BACT (T-BACT) analysis, as described in 6 NYCRR 212-1.2.

ii. No later than one year after the effective date of Renewal 2, the owner or operator must comply with 6 NYCRR 212-2.3(b) or install T-BACT.

5. i. A process emission source subject to a standard under 40 CFR Part 60 satisfies the requirements of this condition for the respective air contaminant if the facility demonstrates that it is in compliance with that relevant 40 CFR Part 60 standard.

ii. A process emission source subject to a standard under 40 CFR Part 61 or Part 63 satisfies the requirements of this condition for the respective air contaminant if the facility demonstrates that it is in compliance with that relevant 40 CFR Part 61 or Part 63 standard and, for those federal standards regulating HTACs, provides a Toxic Impact Assessment (TIA) demonstrating that the predicted maximum off-site ambient concentration is less than the AGC and SGC and that emissions are less than the Persistent and Bioaccumulative Trigger, if applicable, as defined in 6 NYCRR 212.

(a) A facility-wide TIA must be completed according to the procedures in DEC Program Policies DAR-1 and DAR-10. A modeling protocol prepared by a licensed Professional Engineer registered in the State of New York must be

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submitted for the Department's approval at least 90 days prior to conducting the modeling.

(b) For each contaminant for which the impact assessment predicts ambient impacts in excess of the AGC or SGC, the owner or operator shall submit to the Department a plan to reduce emissions (or otherwise reduce predicted ambient impacts) from one or more process emission sources such that predicted ambient impacts of facility-wide emissions are below the AGC and SGC.

6. The Department assigns final ERs to contaminants, based on the criteria in 6 NYCRR Part 212-1.3, and reserves the right to change any initial environmental rating proposed by the facility owner or operator.

7. Prior to any equipment or process change, the facility owner or operator must complete a 6 NYCRR Part 212 review for Department approval. On an annual basis, the facility must submit to the Department a report certifying that no changes were made to the operation of any process emission sources, or the air pollution control equipment, that could have result in increases in emissions or increases in predicted ambient concentrations.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 26: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 26.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00008 Emission Point: 09503

Emission Unit: U-00008 Emission Point: 09504

Emission Unit: U-00008 Emission Point: 09508

Item 26.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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Facility DEC ID: 8269900126

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

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

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

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

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: SEMI-ANNUALLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 225-1.2 (c)

Item 27.1:

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The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners or operators of emission sources that fire residual oil are limited to a 0.50 percent sulfur content by weight of the fuel. Compliance with the sulfur-in-fuel limitation is based on fuel vendor receipts. All fuel vendor receipts must be maintained on site or at a Department approved alternative location for a minimum of five years.

Note - Process sources and incinerators must comply with the above requirements on or after July 1, 2023.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.50 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 28: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 225-1.2 (d)

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners or operators of emission sources that fire distillate oil are limited to a 0.0015 percent sulfur content by weight of the fuel. Compliance with the sulfur-in-fuel limitation is based on fuel vendor receipts. All fuel vendor receipts must be maintained on site or at a Department approved alternative location for a minimum of five years.

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Note - Process sources and incinerators must comply with the above requirements on or after July 1, 2023.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
 Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
 Parameter Monitored: SULFUR CONTENT
 Upper Permit Limit: 0.0015 percent by weight
 Monitoring Frequency: PER DELIVERY
 Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 29: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 225-1.6 (f)

Item 29.1:
 The Compliance Certification activity will be performed for the Facility.

Item 29.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

The owner or operator must maintain records of excess emissions. The owner or operator must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance[s] takes place. These records must be kept on site or at a Department approved alternative location for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 3 calendar month(s).

Condition 1-2: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 226-1.3

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Item 1-2.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators conducting solvent cleaning processes must:

- (a) store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere;
- (b) maintain equipment to minimize leaks and fugitive emissions;
- (c) display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs;
- (d) keep the degreaser cover closed except when parts are being placed into or being removed from the degreaser, the cover needs to be open in order to remove solvent from the degreaser, no solvent is in the degreaser, or manually cleaning parts in a cold cleaning degreaser;
- (e) create and maintain a record of solvent consumption for five years. This record must be retained for five years and made available to the department upon request;
- (f) not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser; and
- (g) if using a cold cleaning degreaser that is subject to paragraph 6 NYCRR 226-1.4(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, bill of sale, a certificate covering multiple sales, manufacturers published information, or other appropriate documentation acceptable to the Department may be used to comply with this requirement:
 - (1) name and address of the solvent supplier;
 - (2) the type of solvent including the product or vendor identification number; and
 - (3) the VOC content of the cleaning solution in grams per liter (gm/l) to verify compliance.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 6 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

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Applicable Federal Requirement:6 NYCRR 226-1.4 (a)

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The following types of control requirements must be used by an owner or operator conducting solvent cleaning:

(a) Cold Cleaning degreasing when the internal volume of the machine is greater than two gallons.

(1) A cover which can be operated easily.

(2) An internal drainage facility (under cover), if practical.

(3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This condition does not apply to remote reservoir degreasers.

Parameter Monitored: FREEBOARD RATIO

Lower Permit Limit: 0.5 freeboard ratio

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 1-3: Compliance Certification

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 226-1.4 (a) (4)

Item 1-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-3.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of a cold cleaning degreasing machine with an internal volume greater than two gallons must use a cleaning solution with a maximum VOC content of 25 grams per liter. This requirement does not apply to degreasers as specified in subparagraphs 226-1.4(a)(4)(i)-(iii).

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Parameter Monitored: VOC CONTENT
 Upper Permit Limit: 25 grams per liter
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2024.
 Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 226-1.5 (a)

Item 34.1:
 The Compliance Certification activity will be performed for the Facility.

Item 34.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:
 For cold cleaning degreasing, the clean parts shall be drained at least 15 seconds or until dripping ceases.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
 Process Material: DEGREASING UNITS
 Parameter Monitored: DURATION
 Lower Permit Limit: 15 seconds
 Monitoring Frequency: WHEN THE SOURCE IS OPERATING
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 1-4: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 227-1.4 (a)

Item 1-4.1:
 The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

- | | |
|--|-----------------------|
| Emission Unit: U-00015
Process: K07 | Emission Point: 00001 |
| Emission Unit: U-00015
Process: K14 | Emission Point: 00004 |
| Emission Unit: U-00015
Process: K20 | Emission Point: 00004 |
| Emission Unit: U-00015 | Emission Point: MPDF1 |

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Process: K23

Emission Unit: U-00015

Emission Point: MPDF1

Process: K24

Item 1-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Per 6 NYCRR 227-1.4(a), visible emissions from Package Boilers 1- 4 (ES 031AC, 031AD, 031AE, 031AF), Boiler 44 (ES 321AJ), and Boiler 45 (ES 321BK) must not exceed 20 percent opacity (six-minute average), except for one six-minute period per hour of not more than 27 percent opacity. To demonstrate compliance with this limit, the facility must continuously monitor opacity from these sources using a continuous opacity monitoring system (COMS) on emission points EP 00001, EP 00004, and EP MPDF1.

The COMS must be installed, calibrated, maintained, and continuously operated in accordance with the quality assurance procedures provided in Performance Specification 1 (PS 1) in 40 CFR Part 60, Appendix B. In addition, the facility owner or operator must submit quarterly excess emissions and COMS performance reports as specified elsewhere in this permit.

Records (specifically, 6-minute block average values, calibration and quality assurance records, and submitted reports) must be retained on site for five years and made available to the Department upon request.

Manufacturer Name/Model Number: Phoenix Instruments OPAC 20/20

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Performance Specification 1

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 6 calendar month(s).

Condition 1-5: Compliance Certification

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

Item 1-5.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Emission Unit: U-00015
Process: K28

Emission Point: START

Item 1-5.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility operates one starter engine for the gas-fired turbine (EP START) subject to the opacity standards of Section 227-1.4. Visible emissions from this source must not exceed 20 percent opacity (six-minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

The facility owner or operator must conduct a Method 9 test to demonstrate compliance with the opacity limit within 180 days after initial startup of the applicable equipment. Thereafter, the facility owner or operator will conduct observations of visible emissions from the applicable emission points on a semiannual basis while the process is in operation. The permittee will investigate, in a timely manner, any instance where visible emissions (other than steam) are observed.

The facility owner or operator will investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the Department if the Method 9 test indicates that the opacity standard is not met. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Records of visible emissions observations, any follow-up Method 9 tests, investigations and corrective actions must be kept on-site and made available to the Department upon request. Visible emissions observation records must include: the date and time interval of all opacity observations; the name and affiliation of the observer; the current visible emissions reading certification issued to the observer in the case of a Method 9 observation; and visible emissions observation data sheets.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9

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Monitoring Frequency: SEMI-ANNUALLY
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2024.
 Subsequent reports are due every 6 calendar month(s).

Condition 1-6: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

Item 1-6.1:

The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

Emission Unit: U-00015 Process: K21	Emission Point: PGT01
Emission Unit: U-00015 Process: K22	Emission Point: PGT01
Emission Unit: U-00015 Process: K24	Emission Point: HPNG1
Emission Unit: U-00015 Process: K24	Emission Point: HPNG2
Emission Unit: U-00015 Process: K24	Emission Point: HPNG3

Item 1-6.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a stationary combustion installation subject to this Subpart shall operate an emission source which exhibits greater than 20 percent opacity (based on a six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The owner or operator will conduct a Method 9 test annually. A report of the results of the test will be submitted to the Department within 30 days of the completion of the Method 9 test. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: 40 CFR 60, Appendix A, Method 9

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Monitoring Frequency: ANNUALLY
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2024.
 Subsequent reports are due every 6 calendar month(s).

Condition 1-7: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-1.5 (b) (2)

Item 1-7.1:

The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

Emission Unit: U-00015 Process: K07	Emission Point: 00001
Emission Unit: U-00015 Process: K14	Emission Point: 00004
Emission Unit: U-00015 Process: K20	Emission Point: 00004
Emission Unit: U-00015 Process: K23	Emission Point: MPDF1
Emission Unit: U-00015 Process: K24	Emission Point: MPDF1

Item 1-7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator required to operate a COM shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible official as true, accurate and complete and post marked by the 30th day following the end of each calendar quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

- (i) the magnitude, date and time of each six-minute block average during which the average opacity of emissions exceeds 20 percent, except for one six-minute block average per hour not to exceed 27 percent;
- (ii) identification of the specific cause and corrective

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action taken for each period of excess emission;

(iii) identification of all periods of COM down time, including the date, time and duration of each inoperable period, and the cause and corrective action for each COM down time period;

(iv) the total time in which the COM is required to record data during the reporting period; and

(v) the total number of exceedances and the duration of exceedances expressed as a percentage of the total time in which the COM is required to record data.

All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 3 calendar month(s).

Condition 1-8: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-1.5 (b) (2)

Item 1-8.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015	Emission Point: 00001
Process: K07	

Emission Unit: U-00015	Emission Point: 00004
Process: K14	

Emission Unit: U-00015	Emission Point: 00004
Process: K20	

Emission Unit: U-00015	Emission Point: MPDF1
Process: K23	

Emission Unit: U-00015	Emission Point: MPDF1
Process: K24	

Item 1-8.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In accordance with the requirements of 6 NYCRR 227-1.5(b)(2), the owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) must submit an Excess Visible Emissions and Opacity Monitor Downtime Report for each calendar quarter. The quarterly report must include:

- 1) the magnitude, location (building, emission point, and boiler ID), date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;
- 2) for each period of excess emissions, specific identification of the cause and corrective action taken.
- 3) identification of all periods of COMS downtime, including the date, time, and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;
- 4) the total time during which the COMS were required to record data during the reporting period;
- 5) the total number of exceedances and the duration of exceedances expressed as a percentage of the total time during which the COMS were required to record data;
- 6) the number of exceedances due to Start-up, Shut-down and Malfunction conditions and indication of those Malfunctions which were reported to the Department under Part 201-1.4 as potentially excused exceedances; and
- 7) other information as the Department may deem necessary, proper or desirable in order to enforce Article 19 of the Environmental Conservation Law (ECL) or the rules promulgated thereunder.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 3 calendar month(s).

Condition 35: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-2.4 (a) (1)

Item 35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015

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Facility DEC ID: 8269900126

Process: K24 Emission Source: 321BL

Emission Unit: U-00015
Process: K24 Emission Source: 321BM

Emission Unit: U-00015
Process: K24 Emission Source: 321BN

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In accordance with the 6 NYCRR 227-2 NOx RACT limits, emissions of NOx from natural gas-fired very large boilers are limited to a maximum of 0.05 lbs NOx/million Btu heat input. To demonstrate compliance with this limit, the facility owner or operator must continuously monitor NOx emissions using a continuous emissions monitoring system (CEMS) or an equivalent system approved by the Department.

The NOx monitoring system must be installed, calibrated, maintained, and operated in accordance with 6 NYCRR Subpart 227-2.6 as required elsewhere in this permit. Additionally, the facility owner or operator must comply with the monitoring system monitoring, recordkeeping, and reporting requirements specified elsewhere in this permit. Facility owners or operators required to use 40 CFR Part 75 monitoring reference methods are required to do so. Other facility owners or operators may use either 40 CFR Part 60 or 40 CFR Part 75 monitoring reference methods.

Compliance with the emission limit will be based on a 24-hour heat input weighted average from May 1st through September 30th. Compliance with the emission limit will be based on a 30-day rolling heat input weighted average from October 1st through April 30th.

The facility owner or operator must maintain NOx emissions records for a period of at least five years. Records must be made available to the department upon request.

Manufacturer Name/Model Number: NOx Analyzer
Upper Permit Limit: 0.05 pounds per million Btus
Reference Test Method: 40 CFR Part 60, Appendix B or 40 CFR Part 75
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING

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DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 3 calendar month(s).

Condition 36: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-2.4 (a) (1)

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015

Process: K14

Emission Unit: U-00015

Process: K20

Emission Unit: U-00015

Process: K23

Emission Unit: U-00015

Process: K24

Emission Source: 321BK

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In accordance with the 6 NYCRR 227-2 presumptive NOx RACT limits, emissions of NOx from natural gas/oil fired very large boilers are limited to a maximum of 0.15 lbs NOx/million Btu heat input. To demonstrate compliance with this limit, the facility owner or operator must continuously monitor NOx emissions using a continuous emissions monitoring system (CEMS) or an equivalent system approved by the Department.

The NOx monitoring system must be installed, calibrated, maintained, and operated in accordance with 6 NYCRR Subpart 227-2.6 as required elsewhere in this permit. Additionally, the facility owner or operator must comply with the monitoring system monitoring, recordkeeping, and reporting requirements specified elsewhere in this permit. Facility owners or operators required to use 40 CFR Part 75 monitoring reference methods are required to do so. Other facility owners or operators may use either 40 CFR

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Part 60 or 40 CFR Part 75 monitoring reference methods.

Compliance with the emission limit will be based on a 24-hour heat input weighted average from May 1st through September 30th. Compliance with the emission limit will be based on a 30-day rolling heat input weighted average from October 1st through April 30th.

The facility owner or operator must maintain NOx emissions records for a period of at least five years. Records must be made available to the department upon request.

Manufacturer Name/Model Number: NOx Analyzer
Upper Permit Limit: 0.15 pounds per million Btus
Reference Test Method: 40 CFR Part 60, Appendix B or 40 CFR Part 75
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 3 calendar month(s).

Condition 1-9: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 227-2.6

Item 1-9.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015	
Process: K14	Emission Source: 321AJ
Emission Unit: U-00015	
Process: K20	Emission Source: 321AJ
Emission Unit: U-00015	
Process: K21	Emission Source: 321BA
Emission Unit: U-00015	
Process: K22	Emission Source: 321BE
Emission Unit: U-00015	
Process: K23	Emission Source: 321BK
Emission Unit: U-00015	
Process: K24	Emission Source: 321BK
Emission Unit: U-00015	

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Process: K24

Emission Source: 321BL

Emission Unit: U-00015

Process: K24

Emission Source: 321BM

Emission Unit: U-00015

Process: K24

Emission Source: 321BN

Regulated Contaminant(s):

CAS No: 0NY210-00-0

OXIDES OF NITROGEN

Item 1-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator is required to operate a certified continuous emissions monitoring system (CEMS), or an equivalent monitoring system approved by the Department, to measure NO_x and either CO₂ or O₂ emissions in the exhaust stack of the following units: Boiler 44 (ES 321AJ), the combined Gas Turbine/Duct Burner (ES 321BA/321BE), Boiler 45 (ES 321BK), and Boiler 46, Boiler 47, and Boiler 48 (ES 321BL, 321BM, and 321BN). To meet this requirement for emission sources 321BK, 321BL, 321BM, and 321BN, an initial Alternative Monitoring Plan (AMP) was submitted on September 15, 2017 for the installation of a predictive emissions monitoring system (PEMS) to measure NO_x emissions in lieu of a CEMS. The initial AMP for the PEMS was approved by the Department on March 27, 2018.

The CEMS and PEMS must be installed, calibrated, and maintained in accordance with the CEMS certification protocol and the AMP, respectively, and must record the output of each such system. The CEMS certification protocol, as specified in 6 NYCRR 227-2.6(b)(2), must be submitted at least 60 days prior to compliance testing. The Department must be notified 30 days in advance of the date upon which performance demonstrations are scheduled to commence.

The continuous monitoring systems (CEMS and PEMS) must meet the requirements of 6 NYCRR 227-2.6(b) and follow the procedures and test methods under 6 NYCRR 227-2.6(b)(3)(i-vii) for determining compliance with the relevant NO_x emissions limit. The owner or operator must follow an approved CEMS monitoring plan or AMP, submitted in accordance with 6 NYCRR 227-2.6(b).

A quarterly written report for each CEMS or PEMS must be submitted to the Department for every calendar quarter in

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accordance with the requirements of subparagraph 227-2.6(b)(4)(iv). All quarterly reports must be postmarked by the 30th day following the end of each calendar quarter and must include:

- (i) a summary of the average NO_x emission rate specified in paragraph 227-2.6(a)(3);
- (ii) identification of the operating hours when NO_x emissions data are not included in the calculation of the average emission rate and the reasons for not including that data;
- (iii) the results of accuracy assessments as required by 40 CFR part 60, Appendix F;
- (iv) the results of other quarterly monitoring performance audits, reported in the format of 40 CFR 60, Appendix F (or equivalent); and
- (v) a summary of excess emissions and monitor downtime reported in a format acceptable to the Department.

Excess emissions shall be identified as any 24-hour block period or 30-day average depending upon the time of the year during which the average emissions of NO_x, as measured by the CEMS or PEMS, exceeds the corresponding mass or concentration emission limits. For the purposes of this permit, excess emissions during periods other than startups, shutdowns and malfunctions (6 NYCRR 201-1.4) may be considered violations of the applicable emission limits.

The owner or operator must follow the recordkeeping requirements under 6 NYCRR 227-2.6(b)(4)(ii) including: a file of all measurements including system performance evaluations; all system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection. Files of such measurements, maintenance, reports, and records must be retained for at least five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 3 calendar month(s).

Condition 37: Condition for ERC's
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 231-10.1

Item 37.1:

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As part of the modification project to convert the Eastman Business Park powerhouse to natural gas, RED is establishing Emission Reduction Credits (ERCs) based on the permanent shutdown of Boiler #41 (ES 321AG) in December 2013, and the shutdown of Boilers #42 (ES 321AH) in March 2018, Boiler #43 (ES 321AI) in March 2018. The total ERCs resulting from these shut downs are as follows:

NOx	567.6 tpy
PM 2.5	570.7 tpy
PM 10	719.2 tpy
PM	870.6 tpy
CO	108.6 tpy
VOC	18.1 tpy

Under the powerhouse conversion project, RED will use a portion of the ERCs established to offset the potential emission increases, thereby ensuring that the net emissions remain below New Source Review thresholds. The following ERCs will be used for this project:

NOx	559.6 tpy
PM 2.5	215.7 tpy
PM 10	203.1 tpy
PM	187.5 tpy
CO	108.6 tpy
VOC	5.0 tpy

Condition 38: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 231-11.2 (b)

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a modification where the projected actual annual emissions (rather than the potential to emit) is used to determine the project emission potential, and (1) the project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of Part 231, or (2) the project emission potential when added to emissions excluded in accordance with 231-4.1(b)(40)(i)(c) is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13, the facility owner or operator, in addition to complying with any requirements under 6 NYCRR Part 201, must maintain the following information for a minimum of five years:

- (1) A description of the modification.

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(2) An identification of each new or modified emission source(s) including the associated processes and emission unit.

(3) The calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(4) The date the modification commenced operation.

These recordkeeping requirements apply to exempt and trivial activities but do not affect their exempt or trivial permitting status under 6 NYCRR Part 201-3. Records must be made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-10: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 231-11.2 (c)

Item 1-10.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a modification with a project emission potential which, when added to any emissions excluded in accordance with section 231-4.1(b)(42)(i)(c) of this Part, equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part and the project emission potential is less than the applicable significant project threshold, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title, and must:

(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

(ii) an identification of each new or modified emission

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source(s) including the associated processes and emission unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s). The calculation of actual emissions must use the same methodology that was used in the application for the project; and

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:

(i) the name, address, and telephone number of the major facility.

(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.

(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 12 calendar month(s).

Condition 1-11: Compliance Certification

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 1-11.1:

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The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

Emission Unit: U-00015

Process: K14

Emission Source: 321AJ

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 40 CFR 52.21, Prevention of Significant Deterioration (PSD), particulate emissions from the combustion of No.2 fuel oil in Boiler 44 (ES 321AJ) are limited to a maximum of 0.035 lb/mmBtu (as established in the initial PSD permit for this boiler). To demonstrate compliance with this limit, a stack test must be conducted once per permit term.

In accordance with 6 NYCRR 202-1, a stack test protocol must be submitted to the Department at least 30 days prior to conducting the stack test. A stack test report must be submitted to the Department in triplicate within 60 days of completing the test.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.035 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-12: Applicability of Subpart A General Provisions
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 1-12.1:

This Condition applies to:

Emission Unit: U00015

Process: K14

Emission Unit: U00015

Process: K20

Emission Unit: U00015

Process: K21

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Emission Unit: U00015
Process: K22

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Emission Unit: U00015
Process: K28

Item 1-12.2:

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 1-13: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 40CFR 60.49b(g), NSPS Subpart Db

Item 1-13.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K22

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For the gas Duct Burner (ES 321BE) and Boilers 45, 46, 47, and 48 (321BK, 321BL, 321BM, and 321BN) subject to a NO_x emission limit and that monitor NO_x emissions using continuous emissions monitoring system (CEMS), the facility owner or operator must maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO₂) (ng/J or lb/million Btu heat input)

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measured or predicted.

3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days.

4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40 CFR 60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.

5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.

6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.

7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.

8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.

9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.

10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 CFR 60 Appendix F, Procedure 1.

To satisfy the requirements of subdivision 60.49b(i), for the applicable units subject to continuous monitoring requirements for NO_x, the facility owner or operator must submit quarterly reports containing the above listed information. This report may be combined and submitted along with the quarterly 6 NYCRR Part 227 excess emissions report.

All records required under this section shall be maintained by the facility owner or operator for at least five years and made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 3 calendar month(s).

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Condition 1-14: Compliance Certification

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:40CFR 60.49b(h), NSPS Subpart Db

Item 1-14.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015

Process: K22

Emission Unit: U-00015

Process: K23

Emission Unit: U-00015

Process: K24

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In accordance with the requirements of Subdivision 60.49b(h), the facility owner or operator must submit quarterly excess emission reports for the gas Duct Burner (ES 321BE) and Boilers 45, 46, 47, and 48 (321BK, 321BL, 321BM, and 321BN). Quarterly excess emission reports for opacity and oxides of nitrogen (NO_x) are required to be submitted for any reporting period during which there are excess emissions from the affected facility. This report may be combined and submitted along with the quarterly 6 NYCRR Part 227 excess emissions reports.

All records required under this section must be maintained by the facility owner or operator for at least five years and made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 3 calendar month(s).

Condition 1-15: Applicability

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

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Item 1-15.1:

This Condition applies to:

Emission Unit: U00015

Process: K28

Item 1-15.2:

Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart III.

Condition 39: National Emission Standard for Asbestos
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 61, NESHAP Subpart M

Item 39.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 61, Subpart M.

Condition 40: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 61.342(a), NESHAP Subpart FF

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE

Item 40.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

(A) An owner or operator of a facility at which the total annual benzene quantity from facility waste is less than 10 megagrams per year (Mg/yr) shall be exempt from the requirements of 40 CFR §§61.342(b) and (c) as well as the specific standards and monitoring requirements in §§61.343 through 61.354. The total annual benzene quantity from facility waste is the sum of the annual benzene quantity for each waste stream at the facility that has a flow-weighted annual average water content greater than 10 percent or that is mixed with water, or other wastes, at any time and the mixture has an annual average water content greater than 10 percent. The benzene quantity in a waste stream is to be counted only once without multiple counting if other waste streams are mixed with or generated from the original waste stream. Other specific requirements for calculating the total annual benzene

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waste quantity are as follows:

(1) Wastes that are exempted from control under §§61.342(c)(2) and 61.342(c)(3) are included in the calculation of the total annual benzene quantity if they have an annual average water content greater than 10 percent, or if they are mixed with water or other wastes at any time and the mixture has an annual average water content greater than 10 percent.

(2) The benzene in a material subject to 40 CFR 63 Subpart FF that is sold is included in the calculation of the total annual benzene quantity if the material has an annual average water content greater than 10 percent.

(3) Benzene in wastes generated by remediation activities conducted at the facility, such as the excavation of contaminated soil, pumping and treatment of groundwater, and the recovery of product from soil or groundwater, are not included in the calculation of total annual benzene quantity for that facility. If the facility is managing remediation waste generated offsite, the benzene in this waste shall be included in the calculation of total annual benzene quantity in facility waste, if the waste streams have an annual average water content greater than 10 percent, or if they are mixed with water or other wastes at any time and the mixture has an annual average water content greater than 10 percent.

(4) The total annual benzene quantity is determined based upon the quantity of benzene in the waste before any waste treatment occurs to remove the benzene except as specified in §§61.355(c)(1)(i) (A) through (C).

(B) Per §61.342(g), compliance with 40 CFR 61 Subpart FF will be determined by review of facility records and results from tests and inspections using methods and procedures specified in 40 CFR §61.355 as follows:

(1) For each waste stream subject to Subpart FF having a flow-weighted annual average water content greater than 10 percent water, on a volume basis as total water, or is mixed with water or other wastes at any time and the resulting mixture has an annual average water content greater than 10 percent as specified in §61.342(a), the owner or operator shall:

(i) Determine the annual waste quantity for each waste stream using the procedures specified in Section (B) of this condition.

(ii) Determine the flow-weighted annual average benzene concentration for each waste stream using the procedures specified in Section (D) of this condition.

(iii) Calculate the annual benzene quantity for each waste stream by multiplying the annual waste quantity of the waste stream times the flow-weighted annual average benzene concentration.

(2) Total annual benzene quantity from facility waste

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is calculated by adding together the annual benzene quantity for each waste stream generated during the year and the annual benzene quantity for each process unit turnaround waste annualized according to §61.355(b)(4).

(3) If the total annual benzene quantity from facility waste is less than 10 Mg/yr but is equal to or greater than 1 Mg/yr, then the owner or operator shall:

(i) Comply with the recordkeeping requirements of §61.356 and reporting requirements of §61.357 of this subpart; and

(ii) Repeat the determination of total annual benzene quantity from facility waste at least once per year and whenever there is a change in the process generating the waste that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr or more.

(4) If the total annual benzene quantity from facility waste is less than 1 Mg/yr, then the owner or operator shall:

(i) Comply with the recordkeeping requirements of §61.356 and reporting requirements of §61.357 of Subpart FF; and

(ii) Repeat the determination of total annual benzene quantity from facility waste whenever there is a change in the process generating the waste that could cause the total annual benzene quantity from facility waste to increase to 1 Mg/yr or more.

(C) For purposes of the calculation required by Section (B) of this condition, the owner or operator shall determine the annual waste quantity at the point of waste generation, unless otherwise provided in paragraphs (b) (1), (2), (3), and (4) of §61.355, by one of the methods given in paragraphs 1 through 3 as follows:

(1) Select the highest annual quantity of waste managed from historical records representing the most recent 5 years of operation or, if the facility has been in service for less than 5 years but at least 1 year, from historical records representing the total operating life of the facility;

(2) Use the maximum design capacity of the waste management unit; or

(3) Use measurements that are representative of maximum waste generation rates.

(D) For the purposes of the calculation required by Section (B) of this condition, the owner or operator shall determine the flow-weighted annual average benzene concentration in a manner that meets the requirements given in §61.355(c)(1) using either of the methods given in §§61.355(c)(2) and (c)(3). (I.e., knowledge of the waste or measurements of benzene concentrations.)

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Parameter Monitored: MASS FLOW RATE
Upper Permit Limit: 10 Megagrams (10**6 grams)
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2022.
Subsequent reports are due every 12 calendar month(s).

Condition 41: Recordkeeping
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 61.356(a), NESHAP Subpart FF

Item 41.1:
The owner or operator shall comply with the recordkeeping requirements of §61.356. Each record shall be maintained in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified.

Condition 42: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 61.356(b)(1), NESHAP Subpart FF

Item 42.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000071-43-2 BENZENE

Item 42.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator shall maintain records that identify each waste stream at the facility subject to 40 CFR 61 Subpart FF, and indicate whether or not the waste stream is controlled for benzene emissions in accordance with this subpart. In addition the owner or operator shall maintain the following records. For each waste stream not controlled for benzene emissions in accordance with Subpart FF, the records shall include all test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the waste stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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Facility DEC ID: 8269900126

DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2022.

Subsequent reports are due every 12 calendar month(s).

Condition 43: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 61.357(a), NESHAP Subpart FF

Item 43.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a chemical plant, petroleum refinery, coke by-product recovery plant, and any facility managing wastes from these industries shall submit to the Administrator within 90 days after January 7, 1993, or by the initial startup for a new source with an initial startup after the effective date, a report that summarizes the regulatory status of each waste stream subject to Sec. 61.342 and is determined by the procedures specified in Sec. 61.355(c) to contain benzene. Each owner or operator subject to this subpart who has no benzene onsite in wastes, products, by-products, or intermediates shall submit an initial report that is a statement to this effect. For all other owners or operators subject to this subpart, the report shall include the following information:

- (1) Total annual benzene quantity from facility waste determined in accordance with Sec. 61.355(a) of this subpart.
- (2) A table identifying each waste stream and whether or not the waste stream will be controlled for benzene emissions in accordance with the requirements of this subpart.
- (3) For each waste stream identified as not being controlled for benzene emissions in accordance with the requirements of this subpart the following information shall be added to the table:
 - (i) Whether or not the water content of the waste stream is greater than 10 percent;
 - (ii) Whether or not the waste stream is a process wastewater stream, product tank drawdown, or landfill leachate;

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- (iii) Annual waste quantity for the waste stream;
 - (iv) Range of benzene concentrations for the waste stream;
 - (v) Annual average flow-weighted benzene concentration for the waste stream; and
 - (vi) Annual benzene quantity for the waste stream.
- (4) The information required in paragraphs (a) (1), (2), and (3) of this section should represent the waste stream characteristics based on current configuration and operating conditions. An owner or operator only needs to list in the report those waste streams that contact materials containing benzene. The report does not need to include a description of the controls to be installed to comply with the standard or other information required in Sec. 61.10(a).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2022.

Subsequent reports are due every 12 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 61.357(b), NESHAP Subpart FF

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the total annual benzene quantity from facility waste is less than 1 Mg/yr, then the owner or operator shall submit to the Administrator a report that updates the information listed in paragraphs (a)(1) through (a)(3) of this section whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 1 Mg/yr or more.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-16: General provisions

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Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7565, Subpart DDDDD

Item 1-16.1:

This Condition applies to:

Emission Unit: U00015
Process: K07

Emission Unit: U00015
Process: K14

Emission Unit: U00015
Process: K20

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 1-16.2:

Table 10 to subpart DDDDD shows which parts of the General Provisions in 40 CFR 63.1 through 63.15 apply to the facility. The owner or operator is responsible for ensuring they comply with all General Provisions contained in Table 10.

Condition 1-17: Applicability

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 1-17.1:

This Condition applies to:

Emission Unit: ENGINE
Process: CIL

Emission Unit: ENGINE
Process: EHG

Emission Unit: U00015
Process: K28

Item 1-17.2:

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 Subpart ZZZZ.

Condition 1-18: General provisions

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.6665, Subpart ZZZZ

Item 1-18.1:

This Condition applies to:

Emission Unit: ENGINE
Process: CIL

Emission Unit: ENGINE
Process: EHG

Emission Unit: U00015
Process: K28

Item 1-18.2:

Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.

****** Emission Unit Level ******

Condition 47: Emission Point Definition By Emission Unit
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 47.1(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

- Emission Unit: U-00015
- Emission Point: 00001
 - Height (ft.): 366 Diameter (in.): 132
 - NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 031
- Emission Point: 00004
 - Height (ft.): 409 Diameter (in.): 180
 - NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 321
- Emission Point: HPNG1
 - Height (ft.): 120 Diameter (in.): 48
 - NYTMN (km.): 4786.256 NYTME (km.): 283.5 Building: 371
- Emission Point: HPNG2
 - Height (ft.): 120 Diameter (in.): 48
 - NYTMN (km.): 4786.256 NYTME (km.): 283.513 Building: 371
- Emission Point: HPNG3

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Height (ft.): 120	Diameter (in.): 48	
NYTMN (km.): 4786.256	NYTME (km.): 283.526	Building: 371
Emission Point: MPDF1		
Height (ft.): 120	Diameter (in.): 48	
NYTMN (km.): 4786.256	NYTME (km.): 283.539	Building: 371
Emission Point: PGT01		
Height (ft.): 180	Diameter (in.): 120	
NYTMN (km.): 4786.226	NYTME (km.): 283.534	Building: 321
Emission Point: START		
Height (ft.): 12	Diameter (in.): 8	
NYTMN (km.): 4786.321	NYTME (km.): 283.129	Building: 321

Item 47.2(From Mod 0):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00008		
Emission Point: 09103		
Height (ft.): 33	Diameter (in.): 16	
NYTMN (km.): 4786.321	NYTME (km.): 283.129	Building: 091
Emission Point: 09104		
Height (ft.): 33	Diameter (in.): 16	
NYTMN (km.): 4786.321	NYTME (km.): 283.129	Building: 091
Emission Point: 09105		
Height (ft.): 33	Diameter (in.): 16	
NYTMN (km.): 4786.321	NYTME (km.): 283.129	Building: 091
Emission Point: 09106		
Height (ft.): 33	Diameter (in.): 16	
NYTMN (km.): 4786.321	NYTME (km.): 283.129	Building: 091
Emission Point: 09107		
Height (ft.): 35	Diameter (in.): 2	
NYTMN (km.): 4786.321	NYTME (km.): 283.129	Building: 091
Emission Point: 09503		
Height (ft.): 126	Diameter (in.): 42	
NYTMN (km.): 4786.321	NYTME (km.): 283.129	Building: 095
Emission Point: 09504		
Height (ft.): 18	Length (in.): 24	Width (in.): 24
NYTMN (km.): 4786.321	NYTME (km.): 283.129	Building: 095
Emission Point: 09508		
Height (ft.): 18	Diameter (in.): 6	
NYTMN (km.): 4786.321	NYTME (km.): 283.129	Building: 095

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Emission Point: 09511
 Height (ft.): 34 Diameter (in.): 8
 NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 095

Emission Point: 09601
 Height (ft.): 21 Diameter (in.): 6
 NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: 096

Emission Point: R1601
 Height (ft.): 63 Diameter (in.): 48
 NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: R16

Emission Point: R1603
 Height (ft.): 3 Diameter (in.): 4
 NYTMN (km.): 4786.321 NYTME (km.): 283.129 Building: R16

Item 47.3(From Mod 0):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00015

Emission Point: 321A0
 Height (ft.): 187 Diameter (in.): 2
 NYTMN (km.): 4786.437 NYTME (km.): 284.912 Building: 321

**Condition 48: Process Definition By Emission Unit
 Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 48.1(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-NGINE
 Process: CIL Source Classification Code: 2-01-001-02

Process Description:
 Emergency stationary reciprocating internal combustion engines (RICE)/compression ignition (CI) engines less than 500 Brake HP which commenced construction or reconstruction before June 12, 2006.

Emission Source/Control: CILBH - Combustion
 Design Capacity: 225 brake horsepower

Item 48.2(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-NGINE
 Process: EHG Source Classification Code: 2-01-001-02

Process Description:
 Emergency stationary reciprocating internal combustion engines (RICE)/compression ignition (CI) engines greater than 500 Brake HP which commenced construction or reconstruction before June 12, 2006.

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reconstruction before December 19, 2002.

Emission Source/Control: EGBHP - Combustion
Design Capacity: 669 brake horsepower

Item 48.3(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K07 Source Classification Code: 1-02-004-02
Process Description: No.6 fuel oil combustion in package boilers.

Emission Source/Control: 031AC - Combustion
Design Capacity: 98 million Btu per hour

Emission Source/Control: 031AD - Combustion
Design Capacity: 98 million Btu per hour

Emission Source/Control: 031AE - Combustion
Design Capacity: 98 million Btu per hour

Emission Source/Control: 031AF - Combustion
Design Capacity: 98 million Btu per hour

Item 48.4(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K14 Source Classification Code: 1-02-005-01
Process Description:
No. 2 fuel oil combustion in Boiler #44 rated at 670
MMBtu/hr.

Emission Source/Control: 321AJ - Combustion
Design Capacity: 694 million Btu per hour

Item 48.5(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K20 Source Classification Code: 1-02-006-01
Process Description:
Natural gas combustion in Boiler #44 rated at 694
MMBtu/hr.

Emission Source/Control: 321AJ - Combustion
Design Capacity: 694 million Btu per hour

Item 48.6(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K21 Source Classification Code: 1-02-006-01

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Process Description:

Natural gas combustion in turbine (ES 321BA), nominally rated at 50 Megawatts, and optional CO catalyst.

Emission Source/Control: 321BA - Combustion
Design Capacity: 495 million Btu per hour

Emission Source/Control: 32120 - Control
Control Type: DRY LOW NOx BURNER

Emission Source/Control: 32121 - Control
Control Type: OXIDATION CATALYST

Item 48.7(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015

Process: K22

Source Classification Code: 1-02-006-01

Process Description:

Natural gas combustion in Duct Burner and optional CO catalyst.

Emission Source/Control: 321BE - Combustion
Design Capacity: 165 million Btu per hour

Emission Source/Control: 32121 - Control
Control Type: OXIDATION CATALYST

Item 48.8(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015

Process: K23

Source Classification Code: 1-02-005-01

Process Description:

No. 2 fuel oil combustion in the medium pressure dual-fuel boiler (Boiler #45), rated at 264 MMBtu/hr.

Emission Source/Control: 321BK - Combustion
Design Capacity: 264 million Btu per hour

Item 48.9(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015

Process: K24

Source Classification Code: 1-02-006-02

Process Description:

Natural gas combustion in high pressure gas-fired boilers (Boiler #46, Boiler #47, Boiler #48), each rated at 370 MMBtu/hr, and the medium pressure dual-fuel boiler (Boiler #45), rated at 264 MMBtu/hr.

Emission Source/Control: 321BK - Combustion

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Design Capacity: 264 million Btu per hour

Emission Source/Control: 321BL - Combustion
Design Capacity: 370 million Btu per hour

Emission Source/Control: 321BM - Combustion
Design Capacity: 370 million Btu per hour

Emission Source/Control: 321BN - Combustion
Design Capacity: 370 million Btu per hour

Item 48.10(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015
Process: K28 Source Classification Code: 2-01-001-01
Process Description:
Starter engine for the turbine firing No. 2 fuel oil.

Emission Source/Control: 321BP - Combustion
Design Capacity: 630 brake horsepower

Item 48.11(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-CLEAN
Process: 226 Source Classification Code: 4-01-003-36
Process Description:
Solvent metal cleaning machines with 6 NYCRR Part 226 applicability which would otherwise be exempt or trivial under Subpart 201-3.

Emission Source/Control: F0226 - Process

Item 48.12(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-ENGINE
Process: NGS Source Classification Code: 1-02-006-03
Process Description:
Small natural gas-fired combustion sources with 6 NYCRR Part 227 applicability which would otherwise be Exempt or Trivial under Subpart 201-3.

Emission Source/Control: R227N - Combustion

Item 48.13(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00008
Process: K02 Source Classification Code: 5-03-005-06
Process Description:
Wastewater treatment sludge incineration in a Multiple

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Hearth Incinerator (MHI) subject to 40 CFR 63, Subpart
EEE.

Emission Source/Control: 09505 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 09506 - Control
Control Type: SPRAY TOWER

Emission Source/Control: 09507 - Control
Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 09509 - Control
Control Type: WET SCRUBBER, VENTURI SCRUBBER

Emission Source/Control: 09510 - Control
Control Type: DYNAMIC SEPARATOR (WET)

Emission Source/Control: 09511 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 095AF - Process

Item 48.14(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00008
Process: K04 Source Classification Code: 3-16-130-02
Process Description: Storage tanks subject to 6 NYCRR Part 229.

Emission Source/Control: 091AE - Process
Design Capacity: 5,000 gallons

Emission Source/Control: 095AK - Process
Design Capacity: 15,000 gallons

Item 48.15(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00008
Process: K06 Source Classification Code: 3-01-820-02
Process Description:
 General process sources associated with wastewater
 treatment operations.

Emission Source/Control: 09504 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 09508 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 09601 - Control

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Facility DEC ID: 8269900126

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: R1601 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 091AA - Process

Emission Source/Control: 095AG - Process

Emission Source/Control: 095AJ - Process

Emission Source/Control: 095AL - Process

Emission Source/Control: 095AM - Process

Emission Source/Control: 096AA - Process

Emission Source/Control: R16AA - Process

Emission Source/Control: R16AC - Process

Item 48.16(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00015

Process: K25

Source Classification Code: 3-16-130-02

Process Description: Boiler feedwater additive storage.

Emission Source/Control: 321AK - Process

Design Capacity: 2,112 gallons

Condition 49: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 227-1.4 (a)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-NGINE

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil firing emission sources subject to 6 NYCRR Subpart 227-1 which do not employ a continuous opacity monitor for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each emission source which is operating on oil once per day for visible emissions. This

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observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of the emission point
- weather conditions
- was a plume observed?

Inclement weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) for two consecutive days while firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 50: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

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Applicable Federal Requirement:6 NYCRR 227-2.4 (d)

Item 50.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: E-NGINE
Process: DSL

Emission Unit: E-NGINE
Process: NGS

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2022.
Subsequent reports are due every 12 calendar month(s).

Condition 51: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 211.2

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to minimize odors and maintain compliance with 6 NYCRR Part 211.2, the facility owner or operator must, upon receiving an odor complaint, review operating conditions and investigate the circumstances surrounding

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the identified odor problem to determine if it was caused by the waste water treatment plant (WWTP). If it appears that the WWTP is the cause of the odor, the facility shall develop and implement control strategies appropriate for the nature, cause and extent of the problem. Control measures to be considered shall include all practicable measures, including, but not limited to process and emission control changes.

The facility owner or operator must maintain an odor reporting program whereby receipt of all complaints of odors are logged and investigated with appropriate response actions taken. Records shall be kept on site which include the following information:

- Complaint Information
 - date received
 - location of odor
 - name, address, and phone number of caller
 - date, time, and duration of odor
 - the description of the odor as provided in the complaint
 - comments from caller
 - wind direction and wind speed
- Assessment of Operations
 - name of investigator
 - date and time of investigation
 - findings of investigation
- Corrective Actions
 - date of corrective action
 - description of correction actions taken

The facility must retain all records of odor complaints on site for a period of five (5) years and must make all such records available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.680(d), Subpart DD

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Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner or operator of affected sources subject to this subpart is exempted from the requirements of 40 CFR 63.682 through 40 CFR 63.699 of this subpart in situations when the total annual quantity of the HAP that is contained in the off-site material received at the plant site is less than 1 megagram per year. For a plant site to be exempted under the provisions of this paragraph (d), the owner or operator must meet the requirements in paragraphs (d)(1) through (d)(3) of 40 CFR 63.680.

The facility owner or operator has prepared an initial determination of the total annual HAP quantity in the off-site material. In accordance with paragraph 40 CFR 63.680(d)(3), the facility owner or operator must perform a new determination whenever the extent of changes to the quantity or composition of the off-site material could cause the total annual HAP content in the off-site material to exceed 1 megagram per year. The facility must maintain documentation to support the most recent determination of the total annual HAP quantity. This documentation must include the basis and data used for determining the HAP content of the off-site material.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: WASTE MATERIAL

Upper Permit Limit: 1 Megagrams (10**6 grams) per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 53: Applicability of 40 CFR 63 Subpart A - General Provisions Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.680(f), Subpart DD

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Item 53.1:

This Condition applies to Emission Unit: U-00008

Item 53.2:

Owners or operators of affected sources subject to 40CFR63 Subpart DD must also comply with the requirements of Subpart A of Part 63, according to the applicability of Subpart A to such sources, as identified in Table 2 of Subpart DD. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

Condition 54: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.680(f), Subpart DD

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a source applicable to the NESHAP for Offsite Waste and Recovery Operations which uses a control device to comply with the emission standard shall develop and implement a written startup, shutdown and malfunction (SSM) plan that describes in detail procedures for operating and maintaining the source during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR 63.6(e)(3)(i) through (viii) for specific requirements regarding SSM plans.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 55: Applicability of General Provisions of 40 CFR 61, Subpart

A

Effective between the dates of 04/01/2021 and 03/31/2026

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Applicable Federal Requirement: 40CFR 61, NESHAP Subpart A

Item 55.1:

This Condition applies to Emission Unit: U-00008
Process: K02

Item 55.2:

This emission source is subject to the applicable General Provisions of 40 CFR 61. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

Condition 56: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1200(c), Subpart EEE

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008
Process: K02

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility owners or operators of affected sources subject to 40 CFR 63, Subpart EEE must also comply with the requirements of Subpart A of Part 63 identified in Table 1 of Subpart EEE. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

The owner or operator of an applicable source using a control device to comply with the emission standard must develop and implement a written startup, shutdown and malfunction (SSM) plan that describes in detail procedures for operating and maintaining the source during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR 63.6(e)(3) (i through viii) for specific requirements regarding SSM plans.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

**Condition 57: §63.1206(c)(3)(ii) - Ducting of combustion gases
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE

Item 57.1:

This Condition applies to Emission Unit: U-00008
Process: K02

Item 57.2:

During an automatic waste feed cutoff (AWFCO), the facility must continue to duct combustion gases to the air pollution control system while hazardous waste remains in the combustion chamber (i.e., if the hazardous waste residence time has not transpired since the hazardous waste feed cutoff system was activated).

**Condition 58: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:40CFR 63.1209(a)(6), Subpart EEE

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008
Process: K02

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When using Continuous Emission Monitoring Systems (CEMS) for carbon monoxide, the following requirements apply with regard to calculation of rolling averages:

- Upon intermittent operations, the facility must not include periods of time when one-minute values are not available for calculating the hourly rolling average. When one-minute values become available again, the first one-minute value is added to the previous 59 values to calculate the hourly rolling average.

- When the hazardous waste feed is cut off, the facility must continue monitoring carbon monoxide when the hazardous waste feed is cut off if the source is operating. The facility may not resume feeding hazardous

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waste if the emission levels exceed the standard. The facility is not subject to the CEMS requirements of Subpart EEE during periods of time when the source is not burning hazardous waste.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(b)(5), Subpart EEE

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Process: K02

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When using Continuous Monitoring Systems (CMS) to document compliance with the applicable operating parameter limits under 40 CFR 63.1209, the following requirements apply with regard to calculation of rolling averages:

- Upon intermittent operations, the facility must not include periods of time when one-minute values are not available for calculating rolling averages. When one-minute values become available again, the first one-minute value is added to the previous one-minute values to calculate rolling averages.

- When the hazardous waste feed is cut off, the facility must continue monitoring operating parameter limits with a CMS when the hazardous waste feed is cut off if the source is operating. The facility may not resume feeding hazardous waste if an operating parameter exceeds its limit. The facility is not subject to the CMS requirements of Subpart EEE during periods of time when the facility meets the requirements of §63.1206(b)(1)(ii) (compliance with emissions standards for nonhazardous waste burning sources when the facility is not burning hazardous waste).

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1211(a), Subpart EEE

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Process: K02

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of an affected source subject to 40 CFR 63, Subpart EEE must submit startup, shutdown, and malfunction reports as specified in 40 CFR 63.10(d)(5)(i).

The start-up, shutdown, and malfunction (SSM) report must be submitted semiannually. The report shall be delivered or postmarked by the 30th day following the end of each calendar half. Reports shall only be required if a startup or shutdown caused the source to exceed any applicable emission limitation in Subpart EEE, or if a malfunction occurred during the reporting period.

If actions taken by an owner or operator during a startup or shutdown (and the startup or shutdown caused the source to exceed any applicable emission limitation in Subpart EEE), or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's SSM plan, the owner or operator must state such information in the semiannual SSM report.

Actions taken to minimize emissions during such SSMs shall be summarized in the semiannual report and may be done in checklist form. If actions taken are for the same event, only one checklist is necessary. Such a report must also include the number, duration, and a brief description for each type of malfunction that occurred during the reporting period and that caused or may have caused any applicable emission limitation to be

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exceeded. The SSM report must consist of a letter containing the name, title, and signature of the responsible official who is certifying its accuracy, and must be submitted to the Department.

The SSM report may be submitted simultaneously with the excess emissions and continuous monitoring system performance report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 61: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1211(a), Subpart EEE

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Process: K02

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any time an action taken by the owner or operator during a startup or shutdown that caused the source to exceed any applicable emission limitation in Subpart EEE, or malfunction (including actions to correct a malfunction) is not consistent with the procedures specified in the source’s startup, shutdown, and malfunction plan, the owner or operator must report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 days after the end of the event. Reports must be made in accordance with 40 CFR 63.10(d)(6)(ii).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 62: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

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Applicable Federal Requirement:6 NYCRR 229.5 (d)

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Process: K04

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a volatile organic liquid storage tank that is subject to 6NYCRR Part 229 must maintain a record of the capacity (in gallons) of the volatile organic liquid storage tank at the facility.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

**Condition 63: VOL storage tanks less than 10000 gallons
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:6 NYCRR 229.3 (e) (2) (v)

Item 63.1:

This Condition applies to Emission Unit: U-00008

Process: K04

Emission Source: 091AE

Item 63.2:

Volatile organic liquid tanks with a capacity of less than 10,000 gallons must be equipped with a conservation vent.

**Condition 64: VOL storage tanks from 10000 - 20000 gallons
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:6 NYCRR 229.3 (e) (2) (iv)

Item 64.1:

This Condition applies to Emission Unit: U-00008

Process: K04

Emission Source: 095AK

Item 64.2:

Volatile organic liquid tanks with a capacity greater than or equal to 10,000 gallons but less than

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20,000 gallons must be equipped with submerged fill.

Condition 65: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (3)

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 65.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To demonstrate compliance with 6 NYCRR 212-3 NO_x RACT requirements and the most recent RACT evaluation dated October 16, 2017, annual NO_x emissions from emission point 09503 are limited to a maximum of 31.2 tpy on a 12-month rolling basis.

On a daily basis, the facility owner or operator must record the total number of hours when the multiple hearth incinerator (MHI) is in (1) incineration mode (i.e., when sludge/grit is present in the MHI); (2) bank mode (i.e., when no sludge/grit is present in the MHI and natural gas is being burned); and (3) cold shutdown mode.

On a monthly basis, monthly NO_x emissions from emission point 09503 must be calculated using operating hour records and incorporated into a 12-month rolling total. For each month, the hours of operation in incineration or bank mode will be multiplied by the NO_x emission rate for that mode. The NO_x emission rates used for these calculations will be:

(1) Incineration mode: 8.3 lbs NO_x/hour

(2) Bank mode: 0.87 lbs NO_x/hour

The facility owner or operator must notify the Department of any revisions to these emission rates due to operational changes or more recent stack test data within 30 days of such a change. Records must be kept on site for a minimum of five years and must be made available to the Department upon request.

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This RACT determination must be reevaluated every five years or prior to any changes that could significantly impact the existing approved or pending RACT evaluation. The next reevaluation must be submitted no later than October 31, 2022.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 31.2 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 66: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1206(c), Subpart EEE

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to comply with the requirements of 63.1206(c)(2)(v)(A)(3) and 63.1206(c)(3)(vi), the facility owner or operator must follow excessive exceedance reporting procedures as follows. For each set of 10 exceedances of an emission standard or operating requirement while hazardous waste remains in the combustion chamber (i.e., when the hazardous waste residence time has not transpired since the hazardous waste feed was cutoff) during a 60-day block period, the facility must:

(i) Within 45 days of the 10th exceedance, complete an investigation of the cause of each exceedance and evaluation of approaches to minimize the frequency, duration, and severity of each exceedance, and revise the startup, shutdown, and malfunction plan as warranted by the evaluation to minimize the frequency, duration and severity of each exceedance;

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(ii) Record the results of the investigation and evaluation in the operating record, and include a summary of the investigation and evaluation, and any changes to the startup, shutdown, and malfunction plan, in the excess emission report required under 63.10(e)(3); and

(iii) Submit to the Department a written report within 5 calendar days of the 10th exceedance documenting the exceedances and results of the investigation and corrective measures taken.

On a case-by-case basis, the Department may require excessive exceedance reporting when fewer than 10 exceedances occur during a 60-day block period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 67: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1206(c)(2), Subpart EEE

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must comply with the following requirements of 40 CFR 63.1206(c)(2)(i) – (iv) for startup, shutdown, and malfunction (SSM) plans:

(i) The owner or operator must comply with the SSM plan requirements of 40 CFR 63.6(e)(3). The owner or operator of an applicable source shall develop and implement a written SSM plan that describes in detail procedures for operating and maintaining the source during periods of SSM and a program of corrective action for malfunctioning process, and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR

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63.6(e)(3) (i through viii) for specific requirements regarding SSM plans.

(ii) Should the owner or operator elect to comply with §§270.235(a)(1)(iii), 270.235(a)(2)(iii), or 270.235(b)(1)(ii) to address RCRA concerns to minimize emissions of toxic compounds from SSM events (including releases from emergency safety vents), the following requirements shall apply:

(A) The SSM plan must include a description of potential causes of malfunctions, including releases from emergency safety vents, that may result in significant releases of hazardous air pollutants, and actions the source is taking to minimize the frequency and severity of those malfunctions.

(B) The owner or operator must submit the SSM plan to the Department for review and approval.

(C) The owner or operator must request approval in writing from the Department within 5 days after making a change to the SSM plan that may significantly increase emissions of hazardous air pollutants.

(iii) The owner or operator must identify in the plan a projected oxygen correction factor based on normal operations to use during periods of startup and shutdown.

(iv) The owner or operator must record the plan in the operating record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

**Condition 68: §63.1206(c)(3)(v) - Corrective measures
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE

Item 68.1:

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 68.2:

If, after any automatic waste feed cutoff (AWFCO), there is an exceedance of an emission standard or operating requirement, irrespective of whether the exceedance occurred while hazardous waste remained in the combustion chamber (i.e., whether the hazardous waste residence time has transpired since the hazardous waste feed cutoff system was activated), the

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facility must investigate the cause of the AWFCO, take appropriate corrective measures to minimize future AWFCOs, and record the findings and corrective measures in the operating record.

Condition 69: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The automatic waste feed cutoff system (AWFCO) and associated alarms must be tested at least weekly to verify operability, unless the facility documents in the operating record that weekly inspections will unduly restrict or upset operations and that less frequent inspection will be adequate. At a minimum, the facility must conduct operability testing at least monthly. The facility must document and record in the operating record AWFCO operability test procedures and results.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must operate the Multiple Hearth Incinerator (MHI) with a functioning system that immediately and automatically cuts off the hazardous waste feed:

- (A) When any of the following are exceeded: Operating parameter limits specified under 40 CFR 63.1209; an emission standard monitored by a Continuous Emissions Monitoring System (CEMS); and the allowable combustion chamber pressure;
- (B) When the span value of any continuous monitoring system (CMS) detector, except a CEMS, is met or exceeded;
- (C) Upon malfunction of a CMS monitoring an operating parameter limit specified under 40 CFR 63.1209 or an emission level; or
- (D) When any component of the automatic waste feed cutoff system fails.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 71: Corrective measures after an emergency safety vent opening Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(4), Subpart EEE

Item 71.1:

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 71.2:

After any emergency safety vent (ESV) opening that results in a failure to meet the emission standards of this Subpart EEE, the facility must investigate the cause of the ESV opening, take appropriate corrective measures to minimize such future ESV openings, and record the findings and corrective measures in the operating record.

Condition 72: Compliance Certification Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(4), Subpart EEE

Item 72.1:

The Compliance Certification activity will be performed for:

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If an emergency safety vent (ESV) opens when hazardous waste remains in the combustion chamber (i.e., when the hazardous waste residence time has not expired) during an event other than a malfunction as defined in the startup, shutdown, and malfunction plan such that combustion gases are not treated as during the most recent comprehensive performance test (e.g., if the combustion gas bypasses any emission control device that was operating during the performance test), the facility must document in the operating record whether the facility remained in compliance with the emission standards of Subpart EEE considering emissions during the ESV opening event.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 73: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(4), Subpart EEE

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must develop an emergency safety vent (ESV) operating plan, and comply with the operating plan. The ESV operating plan must be kept with the operating record and must provide detailed procedures for rapidly stopping

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the waste feed, shutting down the combustor, and maintaining temperature and negative pressure in the combustion chamber during the hazardous waste residence time, if feasible. The plan must include calculations and information and data documenting the effectiveness of the plan's procedures for ensuring that combustion chamber temperature and negative pressure are maintained as is reasonably feasible.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(4), Subpart EEE

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must submit to the Administrator a written report within five days of an emergency safety vent (ESV) opening that results in the facility failing to meet the emission standards of this Subpart EEE. The report shall document the result of the investigation and corrective measures taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(5), Subpart EEE

Item 75.1:

The Compliance Certification activity will be performed for:

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 75.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to comply with the requirements of 63.1206(c)(5)(i) and 63.1209(p), the Multiple Hearth Incinerator (MHI) draft pressure is limited to a maximum of 0.0 inches of water on an instantaneous basis. The draft pressure must be monitored on a continuous basis when wastewater sludge or grit are being incinerated. The waste feed to the MHI must be automatically cut off if the draft pressure exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. The parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered effectively revised in accordance with the NOC.

Records (specifically, instantaneous readings taken every 6 seconds) must be retained for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: 0.0 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1206(c)(5), Subpart EEE

Item 76.1:

The Compliance Certification activity will be performed for:

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 76.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to comply with the requirements of 63.1206(c)(5)(i) and 63.1209(p), the Multiple Hearth Incinerator (MHI) draft pressure must not exceed a maximum of -0.08 inches of water continuously for 5 seconds. The draft pressure must be monitored on a continuous basis when wastewater sludge or grit are being incinerated. The waste feed to the MHI must be automatically cut off if the draft pressure exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. The parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered effectively revised in accordance with the NOC.

Records (specifically, instantaneous readings taken every 6 seconds) must be retained for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: -0.08 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - TIME DELAY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

**Condition 77: §63.1206(c)(6)(ii) - Certified operator on site
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE

Item 77.1:

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Item 77.2:

The facility must ensure that the source is operated and maintained at all times by persons who are trained and certified to perform these and any other duties that may affect emissions of hazardous air pollutants. A certified control room operator must be on duty at all times the source is in operation.

Condition 78: §63.1206(c)(6)(vii) - Record of training and certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE

Item 78.1:

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 78.2:

The facility must record the operator training and certification program in the operating record.

Condition 79: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to maintain compliance with Operator Training and Certification requirements of 63.1206(c)(6)(i) - (iii) and (v), the facility owner or operator must establish training programs for all categories of personnel whose activities may reasonably be expected to directly affect emissions of hazardous air pollutants from the source. Such persons include, but are not limited to, chief facility operators, control room operators, continuous monitoring system operators, persons that sample and analyze feed streams, persons that manage and charge feed streams to the combustor, persons that operate emission control devices, and ash and waste handlers.

Each training program must be of a technical level commensurate with the person's job duties specified in the training manual.

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Each commensurate training program must include an examination administered by the instructor at the end of the training course. Passing of this test shall be deemed the "certification" for personnel, except that, for control room operators, the training and certification program must meet the requirements below:

Hazardous waste control room operators must be trained and certified under a site-specific, source developed and implemented program which includes the following elements:

(A) Training on the following subjects:

- (1) Environmental concerns, including types of emissions;
 - (2) Basic combustion principles, including products of combustion;
 - (3) Operation of the specific type of combustor used by the operator, including proper startup, waste firing, and shutdown procedures;
 - (4) Combustion controls and continuous monitoring systems;
 - (5) Operation of air pollution control equipment and factors affecting performance;
 - (6) Inspection and maintenance of the combustor, continuous monitoring systems, and air pollution control devices;
 - (7) Actions to correct malfunctions or conditions that may lead to malfunction;
 - (8) Residue characteristics and handling procedures; and
 - (9) Applicable Federal, state, and local regulations, including OSHA workplace standards; and
- (B) An examination designed and administered by the instructor; and
- (C) Written material covering the training course topics that may serve as reference material following completion of the course.

Records of training program material and trained personnel must be maintained by the facility for a period for at least five years and made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 80: Compliance Certification

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Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To maintain control room operator qualification under a site-specific, source developed and implemented training program as provided by §63.1206(c)(6)(v), control room operators must complete an annual review or refresher course covering, at a minimum, the following topics:

- (A) Update of regulations;
- (B) Combustor operation, including startup and shutdown procedures, waste firing, and residue handling;
- (C) Inspection and maintenance;
- (D) Responses to malfunctions or conditions that may lead to malfunction; and
- (E) Operating problems encountered by the operator.

Records of control room operator refresher training materials and trained operators must be maintained by the facility for a period for at least five years and made available to the Department upon request.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 81: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1206(c)(7), Subpart EEE

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

CAS No: 0NY100-00-0 TOTAL HAP

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must prepare and at all times operate according to an operation and maintenance plan that describes in detail procedures for operation, inspection, maintenance, and corrective measures for all components of the combustor, including associated pollution control equipment, that could affect emissions of regulated hazardous air pollutants.

The plan must prescribe how the facility will operate and maintain the combustor in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels achieved during the comprehensive performance test.

This plan ensures compliance with the operation and maintenance requirements of §63.6(e) and minimizes emissions of pollutants, automatic waste feed cutoffs, and malfunctions.

The facility must record the operation and maintenance plan in the operating record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 82: Comprehensive Performance Test (CPT)
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1207, Subpart EEE

Item 82.1:

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 82.2:

The permittee must conduct comprehensive performance tests to demonstrate compliance with the emission standards provided by Subpart EEE, establish limits for the operating parameters provided by 40 CFR 63.1209, and demonstrate compliance with the performance specifications for continuous monitoring systems (CMS).

The comprehensive performance test (CPT) must commence no later than 61 (sixty-one) months after the date of commencing the previous CPT, unless the Administrator grants a time extension under 40 CFR 63.1207(i) or a waiver pursuant to 40 CFR 63.1207(e)(3).

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The CPT must be completed within the 60 (sixty) days after the date of commencement, unless the Administrator determines that a time extension is warranted based on documentation of factors beyond the facility's control that prevent the facility from meeting the 60-day deadline.

The permittee must submit to the NYSDEC a notification of intention to conduct a CPT and CMS performance evaluation, and a site specific test plan and CMS performance evaluation plan at least one year before the performance test and performance evaluation are scheduled to begin.

The provisions of 40 CFR 63.7(c)(2)(i)-(iii) and (v) regarding the content of the test plan apply. In addition, the CPT plan must include content specified at 40 CFR 63.1207(f)(1).

The permittee must submit to the NYSDEC a notification of intention to conduct the CPT at least 60 (sixty) calendar days before the test is scheduled to begin.

The permittee must make the site-specific test plan and CMS performance evaluation test plan available to the public for review no later than 60 calendar days before initiation of the test. The permittee must issue a public notice and allow for the plans to be reviewed as described in 40 CFR 63.1207(e)(2).

Condition 83: Confirmatory Performance Test (CfPT)
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1207, Subpart EEE

Item 83.1:

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 83.2:

The permittee must conduct confirmatory performance tests to (i) demonstrate compliance with the dioxin/furan emission standard in Subpart EEE when the source operates under normal operating conditions; and (ii) conduct a performance evaluation of continuous monitoring systems (CMS) required for compliance assurance with the dioxin/furan emission standard under 40 CFR 63.1209(k).

The Confirmatory Performance Test (CfPT) must commence no earlier than 18 months and no later than 31 (thirty-one) months after the date of commencing the previous CPT, unless the Administrator grants a time extension under 40 CFR 63.1207(i) or a waiver pursuant to 40 CFR 63.1207(e)(3).

The CfPT must be completed within the 60 (sixty) days after the date of commencement, unless the Administrator determines that a time extension is warranted based on documentation of factors beyond the facility's control that prevent the facility from meeting the 60-day deadline.

The permittee must submit to the NYSDEC a notification of intention to conduct a CfPT and CMS performance evaluation, and a site specific test plan and CMS performance evaluation plan at least 60 calendar days before the performance test are scheduled to begin.

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The provisions of 40 CFR 63.7(c)(2)(i)-(iii) and (v) regarding the content of the test plan apply. In addition, the CfPT plan must include content specified at 40 CFR 63.1207(f)(2).

The permittee must make the site-specific test plan and CMS performance evaluation test plan available to the public for review no later than 60 calendar days before initiation of the test. The permittee must issue a public notice and allow for the plans to be reviewed as described in 40 CFR 63.1207(e)(2).

Condition 84: Notification of compliance for comprehensive performance test
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1207(j)(1), Subpart EEE

Item 84.1:

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 84.2:

Except as provided in §63.1207(j)(4) and (5), within 90 days of completion of a comprehensive performance test, the facility must postmark a Notification of Compliance documenting compliance with the emission standards and continuous monitoring system requirements, and identifying operating parameter limits under §63.1209. Upon postmark of the Notification of Compliance, the facility must comply with all operating requirements specified in the Notification of Compliance in lieu of the limits specified in the Documentation of Compliance required under §63.1211(c).

Condition 85: Notification of compliance for confirmatory performance testing
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1207(j)(2), Subpart EEE

Item 85.1:

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 85.2:

Except as provided in 40 CFR 63.1207(j)(4), within 90 days of completion of a confirmatory performance test, the facility must postmark a Notification of Compliance documenting compliance or noncompliance with the applicable dioxin/furan emission standard.

Condition 86: Failure of performance test - comprehensive test
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1207(l), Subpart EEE

Item 86.1:

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 86.2:

The provisions of this condition do not apply to the initial comprehensive performance test if the facility conducts it before September 30, 2003 or a later compliance date approved under §63.6(i).

If the facility determines (based on CEM recordings, results of analyses of stack samples, or results of CMS performance evaluations) that the facility has exceeded any emission standard during a comprehensive performance test for a mode of operation, the facility must cease hazardous waste burning immediately under that mode of operation. The facility must make this determination within 90 days following completion of the performance test.

If the facility has failed to demonstrate compliance with the emissions standards for any mode of operation:

- 1) Prior to submitting a revised Notification of Compliance, the facility may burn hazardous waste only for the purpose of pretesting or comprehensive performance testing under revised operating conditions, and only for a maximum of 720 hours (reviewable at the discretion of the Administrator), except as provided by §63.1207(l)(3).
- 2) The facility must conduct a performance test under revised operating conditions following the requirements for performance testing of this condition; and
- 3) The facility must submit to the Administrator a Notification of Compliance subsequent to the new comprehensive performance test.

**Condition 87: Failure of performance test - confirmatory test
Effective between the dates of 04/01/2021 and 03/31/2026****Applicable Federal Requirement:40CFR 63.1207(l), Subpart EEE****Item 87.1:**

This Condition applies to Emission Unit: U-00008 Emission Point: 09503

Item 87.2:

If the facility determines (based on CEM recordings, results of analyses of stack samples, or results of CMS performance evaluations) that the facility has failed the dioxin/furan emission standard during a confirmatory performance test, the facility must cease burning hazardous waste immediately. The facility must make this determination within 90 days following completion of the performance test. To burn hazardous waste in the future:

- 1) The facility must submit to the Administrator for review and approval a test plan to conduct a comprehensive performance test to identify revised limits on the applicable dioxin/furan operating parameters specified in §63.1209(k)
- 2) The facility must submit to the Administrator a Notification of Compliance with the dioxin/furan emission standard under the provisions of §63.1207(j), (k), and (l). The facility must include in the Notification of Compliance the revised limits on the applicable dioxin/furan operating parameters specified in §63.1209(k); and
- 3) Until the Notification of Compliance is submitted, the facility must not burn hazardous waste except for purposes of pretesting or confirmatory performance testing, and for a maximum of 720 hours (renewable at the discretion of the Administrator), except as provided by §63.1207(l)(3).

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Condition 88: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1209(b), Subpart EEE

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

The facility owner or operator must install and operate all Continuous Monitoring Systems (CMS) required for compliance, other than continuous emissions monitoring systems (CEMS), to comply with the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system. The calibration of thermocouples must be verified at a frequency and in a manner consistent with manufacturer specifications, but no less frequent than once per year. CMS must sample the regulated parameter without interruption, and evaluate the detector response at least once each 15 seconds, and compute and record the average values at least every 60 seconds. Waste feed to the Multiple Hearth Incinerator must be automatically cut off if the span of the non-CEMS CMS detector is exceeded.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 89: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.1209(c)(2), Subpart EEE

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- The facility must develop and implement a feedstream analysis plan and record it in the operating record. The plan must specify at a minimum:
- 1) The parameters for which the facility will analyze each feedstream to ensure compliance with the operating parameter limits of §63.1209.
 - 2) Whether the facility will obtain the analysis by performing sampling and analysis or by other methods, such as using analytical information obtained from others or using other published or documented data or information.
 - 3) How the facility will use the analysis to document compliance with applicable feedrate limits (e.g., if the facility blends hazardous wastes and obtains analyses of the wastes prior to blending but not of the blended, as-fired, waste, the plan must describe how the facility will determine the pertinent parameters of the blended waste).
 - 4) The test methods which the facility will use to obtain the analysis.
 - 5) The sampling method which the facility will use to obtain a representative sample of each feedstream to be analyzed using sampling methods described in appendix IX, part 266 of Chapter 40, or an equivalent method.
 - 6) The frequency with which the facility will review or repeat the initial analysis of the feedstream to ensure that the analysis is accurate and up to date.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 90: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(g)(2), Subpart EEE

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Item 90.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In accordance with the provisions of 63.1209(g)(2), the temperature of the Multiple Hearth Incinerator (MHI) at hearths #3 and #4 is limited to a maximum of 1617 degrees F, on a rolling hourly basis. These temperatures must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the hearth #3 or hearth #4 temperatures exceed this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) shall be retained on site for five years and made available to the Department upon request.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 1617 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 91: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(g)(2), Subpart EEE

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Item 91.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In accordance with the provisions of 63.1209(g)(2), the Department has specified additional monitoring requirements for the Multiple Hearth Incinerator (MHI). The speed of the rabble arm, which controls the sludge residence time on each hearth of the MHI, is limited to a maximum of 2.1 revolutions per minute (RPM). The rabble arm speed must be monitored on a continuous basis. Waste feed to the MHI must be automatically cut off if the rabble arm speed exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. The parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered effectively revised in accordance with the NOC.

Records (specifically, the 1-minute average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: ROTATION RATE

Upper Permit Limit: 2.1 revolutions per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 92: Compliance Certification**Effective between the dates of 04/01/2021 and 03/31/2026****Applicable Federal Requirement: 40CFR 63.1209(g)(2), Subpart EEE****Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

CAS No: 0NY100-00-0 TOTAL HAP

Item 92.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In accordance with the provisions of 63.1209(g)(2), the Department has specified additional monitoring requirements for the quench chamber (Control Device 09506). The water flow rate to the quench chamber is limited to a minimum of 163 gallons per minute on a rolling hourly basis. The quench water flow must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the quench water flow rate falls below this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 163 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 93: Compliance Certification**Effective between the dates of 04/01/2021 and 03/31/2026****Applicable Federal Requirement: 40CFR 63.1209(g)(2), Subpart EEE****Item 93.1:**

The Compliance Certification activity will be performed for:

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 93.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In accordance with the provisions of 63.1209(g)(2), the Department has specified additional monitoring requirements for the quench chamber (Control Device 09506). The outlet temperature from the quench chamber is limited to a maximum of 210 degrees F on an instantaneous basis. The quench outlet temperature must be monitored on a continuous basis when wastewater sludges or grit is being incinerated. Waste feed to the MHI must be automatically cut off if the quench outlet temperature exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 210 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 94: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(g)(2), Subpart EEE

Item 94.1:

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 94.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In accordance with the provisions of 63.1209(g)(2), the Department has specified alternative monitoring requirements for the Wet Electrostatic Precipitator (WESP) (Control Device 09511). The secondary power to the WESP is limited to a minimum of 0.785 KVA, on a rolling hourly basis. The WESP secondary power must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the WESP KVA falls below this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: POWER

Lower Permit Limit: 0.785 kilovolt-amperes

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 95: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Applicable Federal Requirement: 40CFR 63.1209(g)(2), Subpart EEE

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 95.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In accordance with the provisions of 63.1209(g)(2), the Department has specified alternative monitoring requirements for the Wet Electrostatic Precipitator (WESP) (Control Device 09511). The voltage to the WESP must be maximized using the automatic control for the WESP. In addition to monitoring the minimum secondary power to the WESP (as specified in a separate permit condition), the secondary specific power supplied to the WESP is limited to a minimum of 209 KVA/1000 acfm on a rolling hourly basis. The secondary specific power must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the WESP secondary specific power falls below this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. The parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: SECONDARY SPECIFIC POWER

Lower Permit Limit: 209 volt-amperes per 1000 actual
 cubic feet per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1

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Facility DEC ID: 8269900126

MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 96: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(k)(2), Subpart EEE

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 96.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(j)(1) and 63.1209(k)(2), and in accordance with the provisions of 63.1209(g)(2), the temperature of the Multiple Hearth Incinerator (MHI) at the Secondary Combustion Chamber (SCC) must be maintained at or between 1600 degrees F and 1730 degrees F, on a rolling hourly average basis. The SCC temperature must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically shut down if the SCC temperature falls outside of this range.

These parameter limits do not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. These parameter limit values are effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

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Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1600 degrees Fahrenheit

Upper Permit Limit: 1730 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 97: Compliance Certification**Effective between the dates of 04/01/2021 and 03/31/2026****Applicable Federal Requirement: 40CFR 63.1209(k)(2), Subpart EEE****Item 97.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 97.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(j)(1) and 63.1209(k)(2), the temperature of the Multiple Hearth Incinerator (MHI) at hearths #3 and #4 is limited to a minimum of 1500 degrees F, on a rolling hourly basis. These temperatures must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the hearth #3 or hearth #4 temperature falls below this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each

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minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1500 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(k)(4), Subpart EEE

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 98.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(j)(3) and 63.1209(k)(4), the feed rate of wastewater sludges or grit to the multiple hearth incinerator (MHI) is limited to a maximum of 9,033 lbs/hr on a rolling hourly average basis. The feed rate must be monitored on a continuous basis while wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the feed rate exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

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Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: MASS FLOW RATE

Upper Permit Limit: 9033 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification**Effective between the dates of 04/01/2021 and 03/31/2026****Applicable Federal Requirement: 40CFR 63.1209(l)(1), Subpart EEE****Item 99.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 99.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(l)(1), the feed rate of high-volatile metals (mercury) to the Multiple Hearth Incinerator (MHI) is limited to a maximum of 30 grams/12-hours on a 12-hour rolling average basis. The mercury feed rate must be monitored on a continuous basis when wastewater sludges or grit are being incinerated using data collected for the feed analysis plan and the continuous sludge feed rate measurement. Waste feed to the MHI shall be automatically shut down if the mercury feed rate exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a

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new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12-hour average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: MERCURY
Upper Permit Limit: 30 grams
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 100: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(l)(2), Subpart EEE

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 100.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(l)(2) and 63.1209(o)(3)(iii), the feed water pressure to the Condenser (Control Device 09507) is limited to a minimum of 22 PSI on a rolling hourly average basis. The feed pressure to the condenser must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the condenser water pressure falls below this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan;

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and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 1-hour average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE

Lower Permit Limit: 22 pounds per square inch gauge

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 101: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(m)(1)(i)(A), Subpart EEE

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 101.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(A), 63.1209(l)(2), 63.1209(n)(3), and 63.1209(o)(3)(i), the pressure drop across the venturi scrubber (Control Device 09509) is limited to a minimum of 47.5 inches of water on a rolling hourly average basis. The venturi scrubber pressure drop must be monitored continuously when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically shut down if the pressure drop across the venturi scrubber falls below this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved

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test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE DROP

Lower Permit Limit: 47.5 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 102: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

**Applicable Federal Requirement: 40CFR 63.1209(m)(1)(i)(B)(1)', Subpart
 EEE**

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 102.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(B)(1)(ii) and 63.1209(n)(3), the venturi scrubber (Control Device 09509) blowdown rate is limited to a minimum of 25 gallons per minute on a rolling hourly basis. The blowdown rate must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically shut down if the venturi blowdown rate falls below this limit.

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This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 25 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(m)(1)(i)(B)(1), Subpart EEE

Item 103.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 103.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(B)(1)(ii) and 63.1209(n)(3), the liquid level in the Entrainment Separator Sump (Control Device 09510) (Venturi/Separator Recycle Tank) is limited to a minimum of 33 inches on a rolling hourly average basis. The sump liquid level must be monitored on a continuous

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basis when wastewater sludges or grit are being incinerated. Waste feed to the Multiple Hearth Incinerator (MHI) must be automatically cut off if the sump liquid level falls below this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: LIQUID LEVEL

Lower Permit Limit: 33 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 104: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(m)(1)(i)(C), Subpart EEE

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 104.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(C), 63.1209(k)(3), 63.1209(j)(2), 63.1209(n)(5), and 63.1209(o)(2), the stack gas air flow

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rate through the Multiple Hearth Incinerator (MHI) is limited to a maximum of 12,963 acfm on a 1-hour rolling average basis, except for 12 hours per year when it is limited to a maximum of 12,963 acfm on a 3-hour rolling average basis. The stack gas air flow rate must be monitored on a continuous basis, and rolled each minute, when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the stack gas flow rate exceeds either of these limits.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, rolling hourly average values for each minute, and rolling 3-hour average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE

Upper Permit Limit: 12,963 cubic feet per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 105: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(m)(1)(i)('C'), Subpart EEE

Item 105.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 105.2:

Compliance Certification shall include the following monitoring:

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(m)(1)(i)(C), 63.1209(l)(2), 63.1209(o)(2) and 63.1209(n)(5), the water flow rates to the venturi scrubber approach and throat (Control Device 09509) is limited to a minimum of 90 gallons per minute (gpm) on a rolling hourly average basis. The water flow rates must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically shut down if the scrubber approach or throat water flow rates fall below this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 90 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 106: Compliance Certification**Effective between the dates of 04/01/2021 and 03/31/2026****Applicable Federal Requirement: 40CFR 63.1209(m)(3), Subpart EEE****Item 106.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

CAS No: 0NY075-00-0 PARTICULATES

Item 106.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(m)(3), the ash feed rate to the Multiple Hearth Incinerator (MHI) is limited to a maximum of 6,784 lbs/12-hours on a 12-hour rolling average basis. The ash feed rate must be monitored on a continuous basis using data collected for the feed analysis plan and the continuous sludge feedrate measurement when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the ash feed rate exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12-hour average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: ASH

Upper Permit Limit: 6784 pounds per 12 hours

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED
EVERY MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 107: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026**Applicable Federal Requirement: 40CFR 63.1209(n)(2), Subpart EEE****Item 107.1:**

The Compliance Certification activity will be performed for:

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 107.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(n)(2), the feed rate of semi-volatile metals (lead and cadmium) to the Multiple Hearth Incinerator (MHI) is limited to a maximum of 3,027 grams/12-hours on a 12-hour rolling average basis. The semi-volatile metal feed rate must be monitored on a continuous basis using data collected for the feed analysis plan and the continuous sludge feed rate measurement when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the semi-volatile metal feed rate exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12-hour average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: SLUDGE

Upper Permit Limit: 3,027 grams

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED
EVERY MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 108: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Applicable Federal Requirement: 40CFR 63.1209(n)(2), Subpart EEE

Item 108.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
 CAS No: 0NY100-00-0 TOTAL HAP

Item 108.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(n)(2), the feed rate of low-volatile metals (arsenic, beryllium, and chromium) to the Multiple Hearth Incinerator (MHI) is limited to a maximum of 8,837grams/12-hours on a 12-hour rolling average basis. The low-volatile metal feed rate must be monitored on a continuous basis using data collected for the feed analysis plan and the continuous sludge feed rate measurement when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the low-volatile metal feed rate exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12-hour average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: SLUDGE
 Upper Permit Limit: 8,837 grams
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 109: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(o)(1), Subpart EEE

Item 109.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 109.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(o)(1) and 1209(n)(4), the total feed rate of chlorine (organic and inorganic) to the Multiple Hearth Incinerator (MHI) is limited to a maximum of 296 pounds/12-hours on a 12-hour rolling average basis. This feed rate must be monitored on a continuous basis using data collected for the feed analysis plan and the continuous sludge feed rate measurement when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the chlorine feed rate exceeds this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling 12-hour average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: CHLORINE
Upper Permit Limit: 296 pounds per 12 hours
Monitoring Frequency: CONTINUOUS

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Facility DEC ID: 8269900126

Averaging Method: 12-HR ROLLING AVG, CALCULATED EA. HR
 AS THE AVG OF THE PAST 12 OPERATING
 HRS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 110: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(o)(3)(ii), Subpart EEE

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 110.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(o)(3)(ii) and 63.1209(1)(2), the pressure drop across the Condenser/Absorber (Control Device 09507) must be maintained at or between -0.7 and -0.25 inches of water (wc) on a rolling hourly average basis, unless the stack gas flow rate is less than 8,863 acfm.

If the stack gas flow rate is less than 8863 acfm, the upper limit will be calculated using the following formula:

Pressure drop (upper limit) = $-0.9 \times ((\text{Stack gas flow rate in ACFM}/14,771)^2) \times 0.70$

The pressure drop must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. An alarm will be activated if Condenser/Absorber pressure drop falls outside this range. When an alarm is activated, operators will evaluate the treatment system and make appropriate system changes to bring the pressure drop within this range. If the cause of the alarm cannot be identified or corrected immediately, waste feed to the MHI must be cut off.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures

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prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. The parameter limit values are effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit values will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: -0.70 inches of water

Upper Permit Limit: -0.25 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 111: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(o)(3)(iv), Subpart EEE

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 111.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(o)(3)(iv), the pH level of the Venturi (Control Device 09509) blowdown is limited to a minimum of 5.4 on a rolling hourly average basis. The pH must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the pH level falls below this limit.

This parameter limit does not apply: (1) during

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performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is based on results of the 2013 CPT and an alternative monitoring request approved by USEPA May 21, 2015.

For the duration of the alternative pH limit of 5.40, the facility owner or operator must establish the value of 5.69 as an advisory threshold for the venturi recycle parameter. The facility must provide summary information to both the Administrator and the Department regarding the occurrences of the venturi recycle pH operating value dropping below the advisory threshold. Specific reporting information is defined under a separate facility-level permit condition for 40 CFR Subpart EEE semiannual reporting.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: ACIDITY/ALKALINITY
Lower Permit Limit: 5.4 pH (STANDARD) units
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 112: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1209(o)(3)(v), Subpart EEE

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

In order to maintain compliance with the requirements of 63.1209(o)(3)(v) and 63.1209(l)(2), the water flow rate to the Condenser (Control Device 09507) is limited to a minimum of 1000 gallons per minute on a rolling hourly average basis. The water flow rate must be monitored on a continuous basis when wastewater sludges or grit are being incinerated. Waste feed to the MHI must be automatically cut off if the water flow rate to the Condenser falls below this limit.

This parameter limit does not apply: (1) during performance tests conducted in accordance with approved test plans; (2) during periods of startup, shutdown or malfunction if the owner takes the corrective measures prescribed in the startup, shutdown and malfunction plan; and (3) when hazardous waste is not in the combustion chamber. This parameter limit value is effective until a new Notification of Compliance (NOC) is submitted whereby the parameter limit value will be considered to be effectively revised in accordance with the NOC.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute) must be retained on site for five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 1000 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 113: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1211(b), Subpart EEE

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

The facility owner or operator must maintain the following records in the operating record:

- (1) Information required to document and maintain compliance with the regulations of 40 CFR 63, Subpart EEE (identified in the conditions of this permit), including data recorded by continuous monitoring systems (CMS), and copies of all notifications, reports, plans, and other documents submitted to the Administrator.
- (2) Documentation that a change will not adversely affect compliance with the emission standards or operating requirements.
- (3) Calculation of hazardous waste residence time.
- (4) Startup, shutdown, and malfunction plan.
- (5) Documentation of your investigation and evaluation of excessive exceedances during malfunctions.
- (6) Corrective measures for any automatic waste feed cutoff that results in an exceedance of an emission standard or operating parameter limit.
- (7) Documentation and results of the automatic waste feed cutoff operability testing.
- (8) Emergency safety vent operating plan.
- (9) Corrective measures for any emergency safety vent opening.
- (10) Method used for control of combustion system leaks.
- (11) Operator training and certification program.
- (12) Operation and maintenance plan.
- (13) Feedstream analysis plan.
- (14) Documentation of changes in modes of operation.
- (15) Documentation of compliance.

Records must be retained on site for five years and made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 114: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1219(a), Subpart EEE

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09503

Item 114.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In order to comply with the requirements of 40 CFR 63.1219(a) and 40 CFR 63.1219(c)(1), the facility owner or operator must maintain a minimum Destruction and Removal Efficiency (DRE) of 99.99% for each principle organic hazardous constituent (POHC), and must not discharge or cause combustion gases to be emitted into the atmosphere from the Multiple Hearth Incinerator (MHI) that contain any of the following:

- Dioxins and furans in excess of 0.40 ng TEQ/dscm*
- Mercury in excess of 130 ug/dscm*
- Semi-volatile metals (combined Cadmium & Lead) in excess of 230 ug/dscm*
- Low-volatile metals (combined Arsenic, Beryllium & Chromium) in excess of 92 ug/dscm*
- Carbon Monoxide in excess of 100 ppmv (dry basis)*, averaged on a rolling hourly basis
- Combined emissions of Hydrogen Chloride and Chlorine gas (total chlorine) in excess of 32 ppmv (expressed as chloride (Cl-) equivalent (dry basis)*
- Particulate matter in excess of 0.013 gr/dscf*

* Standards reflect corrections to 7% oxygen

To demonstrate compliance with this requirement, the facility must operate the MHI within the operating limits established during the comprehensive performance test, which are documented under separate permit conditions for compliance with 40 CFR 63, Subpart EEE. Exceedances of any of the operating limitations will be evaluated to determine if there was a deviation of this permit condition.

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Parameter Monitored: DESTRUCTION EFFICIENCY
Lower Permit Limit: 99.99 percent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 115: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.1219(a), Subpart EEE

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In order to maintain compliance with the requirements of 40 CFR 63.1219(a)(5), 63.1209(a)(1)(i), and 63.1209(a)(6), carbon monoxide (CO) emissions in the stack are limited to a maximum of 100 parts per million by volume, on a rolling hourly average dry basis, corrected to 7 percent (%) oxygen (O₂). CO emissions must be continuously monitored when wastewater sludges or grit are being incinerated, except for periods when the CO emission monitoring system is undergoing required calibration checks. Waste feed to the Multiple Hearth Incinerator must be automatically cut off if the stack CO exceeds this limit.

To monitor CO emissions a CO continuous emission monitoring system (CEMS) must be installed, calibrated, maintained, and continuously operated in accordance with the quality assurance procedures provided in the appendix to 40 CFR 63, Subpart EEE and Performance Specification 4B (PS 4B) in 40 CFR Part 60, Appendix B. An O₂ CEMs must be used to continuously correct the CO level to 7 percent oxygen.

In accordance with 40 CFR 63.1209(a)(3)(i), if the CO CEMS detects a response that results in a one-minute average at

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or above the 3,000 ppmv span level required by PS 4B, the one-minute average must be recorded as 10,000 ppmv. The one-minute 10,000 ppmv value must be used for calculating the 1-hour rolling average CO level.

In accordance with 40 CFR 63.1211(a) and 40 CFR 63.10(e)(3), the facility owner or operator must submit an excessive emissions report and CEMS performance report or summary report on a semiannual basis. The semiannual reports must contain the information specified in 40 CFR 63.10(e)(3)(v) and (vi), as applicable. Per 40 CFR 63.10(e)(3)(vii), if the total duration of excess emissions or process or control system parameter exceedances for the reporting period is less than 1% of the total operating time for the reporting period, and CEMS downtime for the reporting period is less than 5% of the total operating time for the reporting period, only the summary report is required to be submitted with the excess emissions report.

Records (specifically, 1-minute average values for each minute, and the rolling hourly average values for each minute, calibration and quality assurance records, and submitted reports) must be retained on site for five years and made available to the Department upon request.

Manufacturer Name/Model Number: Thermo Environmental Model 48C
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 100 parts per million by volume
(dry, corrected to 7% O₂)
Reference Test Method: Performance Specification 4B
Monitoring Frequency: CONTINUOUS
Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 116: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 212-1.5 (e) (2)

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: 09503
Process: K02

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

CAS No: 007439-92-1 LEAD

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In accordance with the 40 CFR 63, Subpart EEE (Hazardous Waste Combustor NESHAP), the Multiple Hearth Incinerator (ES 095AF) is subject to the carbon monoxide and lead emission limits for existing hazardous waste incinerators under 40 CFR 63.1219(a)(3). Therefore, per 6 NYCRR 212-1.5(e), the requirements of 6 NYCRR Part 212 are satisfied for carbon monoxide and lead through compliance with 40 CFR 63, Subpart EEE. To demonstrate compliance with this condition, the facility owner or operator must comply with the prescribed 40 CFR 63, Subpart EEE limits and monitoring conditions specified elsewhere in this permit. In addition, the facility owner or operator must comply with the annual review and dispersion modeling requirements under 6 NYCRR 212 monitoring conditions specified elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 117: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 212-3.1 (f)

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09601

Process: K06

Emission Source: 096AA

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 117.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To demonstrate compliance with the requirements of 6 NYCRR 212-3.1(f) VOC RACT (Reasonably Available Control Technology), the five-minute average inlet air flow rate

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to the carbon adsorption system (Control Device 09601) must be maintained between 200 and 500 scfm, rolled each minute. This limit applies at all times while the Grit Chamber (ES 096AA) is operating except when the system is offline due to maintenance or other activities authorized in advance by the Department. The air flow rate to the carbon adsorption system must be monitored on a continuous basis.

Records of air flow rate, Grit Chamber operation status and system maintenance/outages must be kept on-site for at least five years and made available to the Department upon request.

Parameter Monitored: AIR FLOW

Lower Permit Limit: 200 cubic feet per minute (standard conditions)

Upper Permit Limit: 500 cubic feet per minute (standard conditions)

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 118: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 212-3.1 (f)

Item 118.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: 09601

Process: K06

Emission Source: 096AA

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 118.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To maintain compliance with 6 NYCRR Part 212-3.1 VOC RACT (Reasonably Available Control Technology) requirements, VOC emissions from the Grit Chamber (ES 096AA) must be controlled by the carbon adsorption control system (Control Device 09601), except when the system is offline due to maintenance, or other activities authorized in advance by the Department. The system will consist of two

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carbon beds arranged in series such that one bed serves as the primary control with the other serving as backup at any given time.

Based on the contaminant loading, influent wastewater flow, and an engineering analysis dated January 12, 2018, the carbon beds must be changed at a minimum of three times per calendar year at a frequency not to exceed 124 days, excluding time periods where the Grit Chamber is not in operation. Prior to the end of each 124 day operating period, the air flow will be re-directed to the backup bed and the carbon in the primary bed will be removed and replaced. The bed with the fresh carbon will then be put back into service in the backup position.

Prior to the end of the permit term, the facility owner or operator must perform an engineering analysis in order to re-evaluate the frequency of changing the carbon beds. The engineering evaluation report must be submitted to the Department with the next permit renewal application within 180 days of permit expiration.

Records of maintenance to the system, carbon bed replacements, and engineering analysis reports must be kept on-site for a minimum of five years and made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 119: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 212-1.5 (d)

Item 119.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Emission Point: R1601

Process: K06

Regulated Contaminant(s):

CAS No: 000075-09-2

DICHLOROMETHANE

Item 119.2:

Compliance Certification shall include the following monitoring:

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

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Monitoring Description:

To demonstrate compliance with the Table 2 to 6 NYCRR Part 212-2.3(b) or Toxic Best Available Control Technology (T-BACT) requirements, the annual emissions of dichloromethane from Emission Point R1601 are limited to a maximum of 3.5 tpy, on a rolling twelve-month basis. Annual emissions of dichloromethane must be calculated monthly and incorporated into a twelve-month rolling total.

Dichloromethane emissions will be calculated as follows: The inlet load to the Trickling Filter (ES R16AA) will be assumed to be the same as the inlet load to the wastewater treatment plant, as determined by the 24-hour composite influent sampling done at least once every eight days at Station TKP. The loading to the odor scrubber will then be calculated by multiplying the inlet load to the Trickling Filter by the appropriate emission factor (developed through historical mass balance sampling and/or theoretical calculations), and by considering the run time of the Trickling Filter. Emission factors will be used to account for any dichloromethane emissions which occur from the Sludge Holding Tanks (ES 095AL) & Centrifuge Room (ES 095AM). The loading to the scrubber shall then be adjusted by the minimal control efficiency for dichloromethane provided by the odor scrubber.

The T-BACT determination must be re-evaluated every five years or prior to any changes that could significantly impact the existing approved or pending T-BACT evaluation. The next re-evaluation must be submitted no later than the date the application for Renewal 2 of the permit is due (i.e., six months prior to permit expiration). This re-evaluation may be combined with the VOC RACT re-evaluation for EP R1601 as required elsewhere in this permit.

Records of emissions calculations and supporting data must be kept on site for five years and made available to the Department upon request.

Parameter Monitored: DICHLOROMETHANE
Upper Permit Limit: 3.5 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 120: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

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Applicable Federal Requirement:6 NYCRR 212-3.1 (c) (4) (iii)

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: R1601
 Process: K06

Item 120.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To maximize the VOC control efficiency, the wet scrubber (Control Device R1601) blowdown rate must be operated at a minimum of 10 gpm, on a 15-minute rolling average basis. To demonstrate compliance with this limit and the CAM requirements of 40 CFR 64, the facility owner or operator must monitor the scrubber blowdown rate on a continuous basis. The distributed control system must collect the flow data at least once every minute.

Calibrations of the flow meter must be performed annually. Records of flow data and annual calibrations must be maintained for at least five years and made available to the Department upon request.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 10 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 15-MINUTE ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 121: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 212-3.1 (c) (4) (iii)

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008 Emission Point: R1601
 Process: K06

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 121.2:

Permit ID: 8-2699-00126/00001

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Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To maintain compliance with 6 NYCRR 212-3.1(c)(4) VOC RACT (Reasonably Available Control Technology) requirements and the most recent RACT evaluation dated December 2019, annual VOC emissions from Emission Point R1601 are limited to a maximum of 9.0 tpy on a 12-month rolling basis.

On a monthly basis, the facility owner or operator must calculate VOC emissions from Emission Point R1601 and incorporate into a 12-month rolling total. The VOC emission rate will be calculated as follows:

- (1) The inlet load to the Trickling Filter (ES R16AA) is assumed to be equivalent to the inlet load to the wastewater treatment plant, as determined by the 24-hour composite influent sampling performed at least once every 8 days at Station TKP.
- (2) Calculate the loading to the odor scrubber by multiplying the inlet load to the Trickling Filter by the appropriate emission factors (developed through historical mass balance sampling and/or theoretical calculations), and by considering the run time of the Trickling Filter.
- (3) Emission factors must account for any VOC emissions that occur from the Sludge Holding Tanks (ES 095AL) and Centrifuge Room (ES 095AM). The loading to the scrubber must be adjusted by the control efficiency provided by the odor scrubber for the individual compounds.

Records must be kept on site for a minimum of five years and must be made available to the Department upon request.

This RACT determination must be reevaluated prior to the end of the permit term or prior to any changes that could significantly impact the existing approved or pending RACT evaluation. The next reevaluation must be submitted with the next permit renewal application within 180 days of permit expiration.

Parameter Monitored: VOC

Upper Permit Limit: 9.0 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

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Condition 125: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR Subpart 227-2

Item 125.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All emission limits based on heat input correspond to the Higher Heating Value (HHV) of the fuel burned. These limits apply at all loads of operation, except during periods of startup and shutdown (not to exceed three hours per occurrence), malfunctions (as defined in 6 NYCRR Part 201-2.1(b)(22)), periods of low steam demand (weekend turndown cycles), and periods of gas curtailment.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 126: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR Subpart 227-2

Item 126.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 126.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A summary of the emission limits and operating restrictions specified in this permit must be posted in the Building 31, 321 and 371 control rooms and must be plainly visible (without obstructions) to the operator(s) of the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 1-19: Compliance Certification**Effective between the dates of 10/17/2023 and 03/31/2026****Applicable Federal Requirement: 6 NYCRR 231-6.2****Item 1-19.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 1-19.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure emissions of volatile organic compounds (VOC) remain below the 40 tpy Nonattainment New Source Review (NNSR) significant net emissions increase applicability threshold, VOC emissions from the following sources are limited to 49.1 tons per year on a 12-month rolling basis:

- Boiler 44 (ES 321 AJ) operating under Processes K14 and K20
- Combustion Turbine and Duct Burner (ES 321BA and 321BE) operating under Processes K21 and K22
- Boiler 45 (ES 321BK) operating under Processes K23 and K24
- Boiler 46, Boiler 47, and Boiler 48 (ES 321BL, 321BM, and 321BN) operating under Process K24.
- Starter Engine (ES 321BP) operating under Process K28

To demonstrate compliance with this limit, the facility must determine the actual 12-month rolling VOC emissions (in tons per year) from the above sources on a monthly basis.

The actual tons per month of VOC emissions from Boiler 44 (ES 321AJ) firing natural gas and oil, Boiler 45 (ES 321BK) firing natural gas and oil, and Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) firing natural gas must be determined based on the actual measured monthly heat input (MMBtu/month) from each boiler and type of fuel and

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the corresponding lbs VOC/MMBtu emission factor for each boiler and type of fuel. The lbs VOC/MMBtu emission factors must be the value determined during the most recent valid stack test performed for each of the boilers.

The actual tons per month of VOC emissions from the combustion turbine (ES 321BA) and duct burner (ES 321BE) must be determined as follows:

Monthly VOC emissions = [(actual measured MMBtu/month resulting from natural gas firing during steady state operation x lbs VOC/MMBtu) + (actual measured MMBtu/month resulting from fuel oil firing during steady state operation x lbs VOC/MMBtu) + (lbs VOC emissions/month resulting from startup (SU) and shutdown (SD) events during the month)] / 2000 lbs/ton.

The actual tons per month of VOC emissions from the starter engine (ES 321BP) must be determined using the applicable EPA Tier 4f standard for NMHC and the monthly operating hours for the engine.

The lbs VOC/MMBtu emission factors must be the value determined during the most recent valid stack test performed for the combustion turbine and duct burner. The monthly VOC emissions resulting from SU and SD events during each month will be determined using the following information:

- (1) the definition, duration, and number of events per year for each hot-SU, warm-SU, and cold-SU;
- (2) VOC emissions rates for each hot, warm, and cold SU event;
- (3) the definition, duration, and number of SD events per year; and
- (4) the VOC emissions rates for each SD event.

Records of the information used to determine SU and SD emissions must be maintained by the facility.

A performance test for determining the VOC emission rate for Boilers 44, 45, 46, 47, and 48 (ES 321AJ, 321BK, 321BL, 321BM, and 321BN) must be conducted within 1 year of the issuance of this permit renewal (Renewal 1). An initial performance test for determining the VOC emission rate for the combustion turbine and duct burner (ES 321BA and ES 321BE) must be performed within 180 days of initial equipment startup. The initial performance test for the combustion turbine and duct burner must also determine the emission rates of VOC during SU and SD events. In accordance with 6 NYCRR 202-1, a stack test protocol must be submitted to the Department at least 30 days prior to conducting the stack test. A stack test report must be

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submitted to the Department in triplicate within 60 days of completing the test.

Records to demonstrate compliance with this annual limit must be kept on site for a minimum of 5 years and made available to the Department upon request.

Parameter Monitored: VOC
Upper Permit Limit: 49.1 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2024.
Subsequent reports are due every 6 calendar month(s).

Condition 1-20: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 231-6.2

Item 1-20.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-20.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure emissions of oxides of nitrogen (NO_x) remain below the 40 tpy Nonattainment New Source Review (NNSR) significant net emission increase applicability threshold, NO_x emissions from the following sources are limited to 1038.8 tons per year on a 12-month rolling total basis:

- Boiler 44 (ES 321 AJ) operating under Processes K14 and K20
- Combustion turbine and Duct Burner (ES 321BA and 321BE) operating under Processes K21 and K22
- Boiler 45 (ES 321BK) operating under Processes K23 and K24
- Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) operating under Process K24.
- Starter Engine (Emission Source 321BP) operating under Process K28

To demonstrate compliance with this limit, the facility must determine the actual 12-month rolling NO_x emissions

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(in tons per year) from the above sources on a monthly basis.

The actual tons per month of NO_x emissions from Boiler 44 (ES 321AJ) and the combustion turbine and duct burner (ES 321BA and 321BE) included in the NO_x netting limit must be determined using each emission sources' CEMS system. The NO_x CEMS must be designed and continuously operated to measure the startup and shutdown emissions.

The actual tons per month of NO_x emissions from Boiler 45 (ES 321BK) firing natural gas and oil and Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) firing natural gas must be determined by the use of CEMS or with an equivalent monitoring system approved by the Department. The NO_x CEMS or approved equivalent monitoring system must be designed and continuously operated to measure the startup and shutdown emissions.

The actual tons per month of NO_x emissions from the starter engine (ES 321BP) must be determined using the applicable EPA Tier 4f NO_x standard and the monthly hours of operation for the engine.

Records to demonstrate compliance with this annual limit must be kept on site for a minimum of 5 years and made available to the Department upon request.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1038.8 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 6 calendar month(s).

Condition 1-21: Compliance Certification

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 231-8.2

Item 1-21.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 1-21.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure emissions of PM-10 remain below the 15 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, PM-10 emissions from the following sources shall be limited to 251.8 tons per year on a 12-month rolling total basis:

- Boiler 44 (ES 321 AJ) operating under Processes K14 and K20
- Combustion turbine and Duct Burner (ES 321BA and 321BE) operating under Processes K21 and K22
- Boiler 45 (ES 321BK) operating under Processes K23 and K24
- Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) operating under Process K24.
- Starter Engine (ES 321BP) operating under Process K28

To demonstrate compliance with this limit, the facility must determine the actual 12-month rolling PM-10 emissions (in tons per year) from the above sources on a monthly basis.

The actual tons per month of PM-10 emissions from Boiler 44 (ES 321AJ) firing natural gas and oil, combustion turbine and duct burner (ES 321BA and 321BE), Boiler 45 (ES 321BK) firing natural gas and oil, and Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) firing natural gas must be determined based on the actual measured monthly heat input (MMBtu/month) from each boiler and type of fuel and the corresponding lbs PM-10/MMBtu emission factor for each boiler and type of fuel. The lbs PM-10/MMBtu emission factors must be the value determined during the most recent valid stack test performed for each of the boilers.

The actual tons per month of PM-10 emissions from the starter engine (ES 321BP) must be determined using the applicable EPA Tier 4f PM standard and the monthly hours of operation for the engine.

A performance test for determining the PM-10 emission rate for Boilers 44, 45, 46, 47, and 48 (ES 321AJ, 321BK, 321BL, 321BM, and 321BN) must be conducted within 1 year of the issuance of this permit renewal (Renewal 1). An initial performance test for determining the PM-10 emission rate for the combustion turbine and duct burner (ES 321BA and ES 321BE) must be performed within 180 days of initial equipment startup. In accordance with 6 NYCRR 202-1, a stack test protocol must be submitted to the

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Department at least 30 days prior to conducting the stack test. A stack test report must be submitted to the Department in triplicate within 60 days of completing the test.

Records to demonstrate compliance with this annual limit must be kept on site for a minimum of 5 years and made available to the Department upon request.

Parameter Monitored: PM-10
 Upper Permit Limit: 251.8 tons per year
 Monitoring Frequency: MONTHLY
 Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2024.
 Subsequent reports are due every 6 calendar month(s).

Condition 1-22: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 231-8.2

Item 1-22.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
 CAS No: 0NY075-00-0 PARTICULATES

Item 1-22.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure emissions of filterable particulate matter (PM) remain below the 25 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, filterable PM emissions from the following sources shall be limited to 251.8 tons per year on a 12-month rolling total basis:

- Boiler 44 (ES 321 AJ) operating under Processes K14 and K20
- Combustion turbine and Duct Burner (ES 321BA and 321BE) operating under Processes K21 and K22
- Boiler 45 (ES 321BK) operating under Processes K23 and K24
- Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) operating under Process K24.
- Starter Engine (ES 321BP) operating under Process

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K28

To demonstrate compliance with this limit, the facility must determine the actual 12-month rolling filterable PM emissions (in tons per year) from the above sources on a monthly basis.

The actual tons per month of filterable PM emissions from Boiler 44 (ES 321AJ) firing natural gas and oil, combustion turbine and duct burner (ES 321BA and 321BE), Boiler 45 (ES 321BK) firing natural gas and oil, and Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) firing natural gas must be determined based on the actual measured monthly heat input (MMBtu/month) from each boiler and type of fuel and the corresponding lbs PM/MMBtu emission factor for each boiler and type of fuel. The lbs PM/MMBtu emission factors must be the value determined during the most recent valid stack test performed for each of the boilers.

The actual tons per month of PM emissions from the starter engine (ES 321BP) must be determined using the applicable EPA Tier 4f PM standard and the monthly hours of operation for the engine.

A performance test for determining the filterable PM emission rate for Boilers 44, 45, 46, 47, and 48 (ES 321AJ, 321BK, 321BL, 321BM, and 321BN) must be conducted within 1 year of the issuance of this permit renewal (Renewal 1). An initial performance test for determining the filterable PM emission rate for the combustion turbine and duct burner (ES 321BA and ES 321BE) must be performed within 180 days of initial equipment startup. In accordance with 6 NYCRR 202-1, a stack test protocol must be submitted to the Department at least 30 days prior to conducting the stack test. A stack test report must be submitted to the Department in triplicate within 60 days of completing the test.

Records to demonstrate compliance with this annual limit must be kept on site for a minimum of 5 years and made available to the Department upon request.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 251.8 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 6 calendar month(s).

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Condition 1-23: Compliance Certification

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 231-8.2**Item 1-23.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-23.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure emissions of carbon monoxide (CO) remain below the 100 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, CO emissions from the following sources shall be limited to 250.0 tons per year on a 12-month rolling basis.

- Boiler 44 (ES 321 AJ) operating under Processes K14 and K20
- Combustion turbine and Duct Burner (ES 321BA and 321BE) operating under Processes K21 and K22
- Boiler 45 (ES 321BK) operating under Processes K23 and K24
- Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) operating under Process K24.
- Starter Engine (Emission Source 321BP) operating under Process K28

To further ensure that emissions of CO remain below the limit of 250 tons per year, optional oxidation catalyst equipment may be installed and is identified in this permit as control 32121 for the combustion turbine (ES 321BA) and duct burner (ES 321BE). Ninety (90) days prior to the installation of any optional control equipment, the Department must be notified in writing and provided with all control parameters for the operation of the oxidation catalysts. The Department will review the proposal and upon approval modify this permit to include appropriate parametric monitoring requirements for the oxidation catalysts.

To demonstrate compliance with this limit, the facility must determine the actual 12-month rolling CO emissions (in tons per year) from the above sources on a monthly basis.

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The actual tons per month of CO emissions from Boiler 44 (ES 321AJ) firing natural gas and oil, Boiler 45 (ES 321BK) firing natural gas and oil, and Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) firing natural gas must be determined based on the actual measured monthly heat input (MMBtu/month) from each boiler and type of fuel and the corresponding lbs CO/MMBtu emission factor for each boiler and type of fuel. The lbs CO/MMBtu emission factors must be the value determined during the most recent valid stack test performed for each of the boilers. The actual tons per month of CO emissions must include emissions resulting from SU and SD events.

The monthly CO emissions resulting from SU and SD events from Boilers 44, 45, 46, 47, and 48 during each month will be determined using the following information:

- (1) the definition, duration and number of SU and SD events per year; and
- (2) the CO emissions rates for each SU and SD event.

Records of the information used to determine SU and SD emissions must be maintained by the facility.

The actual tons per month of CO emissions from the combustion turbine (ES 321BA) and duct burner (ES 321BE) must be determined as follows:

Monthly CO emissions = [(actual measured MMBtu/month resulting from natural gas firing during steady state operation x lbs CO/MMBtu) + (actual measured MMBtu/month resulting from fuel oil firing during steady state operation x lbs CO/MMBtu) + (lbs CO emissions/month resulting from startup (SU) and shutdown (SD) events during the month)] / 2000 lbs/ton.

The lbs CO/MMBtu emission factors must be the value determined during the most recent valid stack test performed for the combustion turbine and duct burner. The monthly CO emissions resulting from SU and SD events during each month will be determined using the following information:

- (1) the definition, duration, and number of events per year for each hot-SU, warm-SU, and cold-SU;
- (2) CO emissions rates for each hot, warm, and cold SU event;
- (3) the definition, duration, and number of SD events per year; and
- (4) the CO emissions rates for each SD event.

Records of the information used to determine SU and SD emissions must be maintained by the facility.

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The actual tons per month of CO emissions from the starter engine (ES 321BP) must be determined using the applicable EPA Tier 4f CO standard and the monthly hours of operation for the engine.

A performance test for determining the CO emission rate for Boilers 44, 45, 46, 47, and 48 (ES 321AJ, 321BK, 321BL, 321BM, and 321BN) must be conducted within 1 year of the issuance of this permit renewal (Renewal 1). An initial performance test for determining the CO emission rate for the combustion turbine and duct burner (ES 321BA and ES 321BE) must be performed within 180 days of initial equipment startup. The initial performance test for the combustion turbine and duct burner must also determine the emission rates of CO during SU and SD events. In accordance with 6 NYCRR 202-1, a stack test protocol must be submitted to the Department at least 30 days prior to conducting the stack test. A stack test report must be submitted to the Department in triplicate within 60 days of completing the test.

Records to demonstrate compliance with this annual limit must be kept on site for a minimum of 5 years and made available to the Department upon request.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 250 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 6 calendar month(s).

Condition 1-24: Compliance Certification

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 231-8.2

Item 1-24.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 0NY075-02-5 PM 2.5

Item 1-24.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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To ensure emissions of PM-2.5 remain below the 10 tpy Prevention of Significant Deterioration (PSD) significant net emission increase applicability threshold, PM-2.5 emissions from the following sources shall be limited to 251.8 tons per year on a 12-month rolling total basis:

- Boiler 44 (ES 321 AJ) operating under Processes K14 and K20
- Combustion turbine and Duct Burner (ES 321BA and 321BE) operating under Processes K21 and K22
- Boiler 45 (ES 321BK) operating under Processes K23 and K24
- Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) operating under Process K24.
- Starter Engine (ES 321BP) operating under Process K28

To demonstrate compliance with this limit, the facility must determine the actual 12-month rolling PM-2.5 emissions (in tons per year) from the above sources on a monthly basis.

The actual tons per month of PM-2.5 emissions from Boiler 44 (ES 321AJ) firing natural gas and oil, combustion turbine and duct burner (ES 321BA and 321BE), Boiler 45 (ES 321BK) firing natural gas and oil, and Boilers 46, 47, and 48 (ES 321BL, 321BM, and 321BN) firing natural gas must be determined based on the actual measured monthly heat input (MMBtu/month) from each boiler and type of fuel and the corresponding lbs PM-2.5/MMBtu emission factor for each boiler and type of fuel. The lbs PM-2.5/MMBtu emission factors must be the value determined during the most recent valid stack test performed for each of the boilers.

The actual tons per month of PM-2.5 emissions from the starter engine (ES 321BP) must be determined using the applicable EPA Tier 4f PM standard and the monthly hours of operation for the engine.

A performance test for determining the PM-2.5 emission rate for Boilers 44, 45, 46, 47, and 48 (ES 321AJ, 321BK, 321BL, 321BM, and 321BN) must be conducted within 1 year of the issuance of this permit renewal (Renewal 1). An initial performance test for determining the PM-2.5 emission rate for the combustion turbine and duct burner (ES 321BA and ES 321BE) must be performed within 180 days of initial equipment startup. In accordance with 6 NYCRR 202-1, a stack test protocol must be submitted to the Department at least 30 days prior to conducting the stack test. A stack test report must be submitted to the Department in triplicate within 60 days of completing the

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test.

Records to demonstrate compliance with this annual limit must be kept on site for a minimum of 5 years and made available to the Department upon request.

Parameter Monitored: PM 2.5
 Upper Permit Limit: 251.8 tons per year
 Monitoring Frequency: MONTHLY
 Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2024.
 Subsequent reports are due every 6 calendar month(s).

Condition 139: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db

Item 139.1:

The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

Emission Unit: U-00015
 Process: K22

Emission Unit: U-00015
 Process: K23

Emission Unit: U-00015
 Process: K24

Item 139.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

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Condition 142: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 142.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K07

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K20

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 142.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Boilers using a continuous oxygen trim system, boilers with a heat input capacity less than or equal to 5 million Btu per hour firing gas 1, gas 2 (other), and light liquid, and boilers that are subject to limited use requirements must conduct a 5-year tune-up as specified in 40 CFR 63.7540(a)(12) and must be conducted no more than 61 months after the previous tune-up. New and reconstructed boilers must conduct the first 5-year tune-up no more than 61 months after the initial startup of the affected source.

Monitoring Frequency: Once every five years

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 143: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 143.1:

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: U-00015
 Process: K14

Item 143.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An existing or new boiler or process heater subject to emission limits in Tables 1 or 2 or 11 through 13 to subpart DDDDD must meet the following requirements during shutdown.

The owner or operator must operate all CMS during shutdown.

While firing coal/solid fossil fuel, biomass/bio-based solids, heavy liquid fuel, or gas 2 (other) gases during shutdown, the owner or operator must vent emissions to the main stack(s) and operate all applicable control devices, except limestone injection in FBC boilers, dry scrubber, fabric filter, SNCR, and SCR.

The owner or operator must comply with all applicable emissions limits at all times except for startup or shutdown periods conforming with this work practice. He/she must collect monitoring data during periods of shutdown, as specified in 40 CFR 63.7535(b), keep records during periods of shutdown, and provide reports concerning activities and periods of shutdown, as specified in 40 CFR 63.7555.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 144: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 144.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015
 Process: K14

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Item 144.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An existing or new boiler or process heater subject to emission limits in Table 1 or 2 or 11 through 13 to subpart DDDDD must meet the following requirements during startup

The owner or operator must operate all CMS during startup.

For startup of a boiler or process heater, the owner or operator must use one or a combination of the following clean fuels: natural gas, synthetic natural gas, propane, distillate oil, syngas, ultra-low sulfur diesel, fuel oil soaked rags, kerosene, hydrogen, paper, cardboard, refinery gas, and liquefied petroleum gas.

If the owner or operator starts firing coal/solid fossil fuel, biomass/bio-based solids, heavy liquid fuel, or gas 2 (other) gases, he/she must vent emissions to the main stack(s) and engage all of the applicable control devices except limestone injection in fluidized bed combustion (FBC) boilers, dry scrubber, fabric filter, selective non-catalytic reduction (SNCR), and selective catalytic reduction (SCR). The owner or operator must start your limestone injection in FBC boilers, dry scrubber, fabric filter, SNCR, and SCR systems as expeditiously as possible. Startup ends when steam or heat is supplied for any purpose.

The owner or operator must comply with all applicable emission limits at all times except for startup or shutdown periods conforming with this work practice. He/she must collect monitoring data during periods of startup, as specified in 40 CFR 63.7535(b), keep records during periods of startup, and provide reports concerning activities and periods of startup, as specified in 40 CFR 63.7555.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

**Condition 145: Good air pollution control practices
Effective between the dates of 04/01/2021 and 03/31/2026**

Permit ID: 8-2699-00126/00001

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Applicable Federal Requirement:40CFR 63.7500(a)(3), Subpart DDDDD

Item 145.1:

This Condition applies to:

Emission Unit: U00015
Process: K07

Emission Unit: U00015
Process: K14

Emission Unit: U00015
Process: K20

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 145.1:

This Condition applies to Emission Unit: U-00015

Item 145.2.3:

At all times, the owner or operator 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. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Condition 147: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7505(d), Subpart DDDDD

Item 147.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 147.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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Owners and operators demonstrating compliance with any applicable emission limit through performance testing and subsequent compliance with operating limits (including the use of CPMS), or with a CEMS, or COMS must develop a site-specific monitoring plan according to the requirements in paragraphs (1) through (4) for the use of any CEMS, COMS, or CPMS. This requirement also applies to the owner or operator if he/she petitions the EPA Administrator for alternative monitoring parameters under 40 CFR 63.8(f).

(1) For each CMS required in this section (including CEMS, COMS, or CPMS), the owner or operator must develop, and submit to the Administrator for approval upon request, a site-specific monitoring plan that addresses design, data collection, and the quality assurance and quality control elements outlined in 40 CFR 63.8(d) and the elements described in paragraphs (i) through (iii). The owner or operator must submit this site-specific monitoring plan, if requested, at least 60 days before his/her initial performance evaluation of the CMS. This requirement to develop and submit a site-specific monitoring plan does not apply to affected sources with existing CEMS or COMS operated according to the performance specifications under appendix B to part 60 and that meet the requirements of 40 CFR 63.7525. Using the process described in 40 CFR 63.8(f)(4), the owner or operator may request approval of alternative monitoring system quality assurance and quality control procedures in place of those specified in this paragraph and, if approved, include the alternatives in his/her site-specific monitoring plan.

(i) Installation of the CMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

(ii) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and

(iii) Performance evaluation procedures and acceptance criteria (e.g., calibrations, accuracy audits, analytical drift).

(2) In the site-specific monitoring plan, the owner or operator must also address paragraphs (i) through (iii).

(i) Ongoing operation and maintenance procedures in

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accordance with the general requirements of 40 CFR 63.8(c)(1)(ii), (c)(3), and (c)(4)(ii);

(ii) Ongoing data quality assurance procedures in accordance with the general requirements of 40 CFR 63.8(d); and

(iii) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 CFR 63.10(c) (as applicable in Table 10 subpart DDDDD), (e)(1), and (e)(2)(i).

(3) The owner or operator must conduct a performance evaluation of each CMS in accordance with the site-specific monitoring plan.

(4) The owner or operator must operate and maintain the CMS in continuous operation according to the site-specific monitoring plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 148: Initial compliance date for existing sources
Effective between the dates of 04/01/2021 and 03/31/2026**

Applicable Federal Requirement: 40CFR 63.7510(e), Subpart DDDDD

Item 148.1:

This Condition applies to:

Emission Unit: U00015
Process: K07

Emission Unit: U00015
Process: K14

Emission Unit: U00015
Process: K20

Item 148.1:

This Condition applies to Emission Unit: U-00015

Item 148.2.3:

The owner or operator of an existing affected sources (as defined in 40 CFR 63.7490) must complete the initial compliance demonstration, as specified in 40 CFR 63.7510(a) through (d), no later than 180 days after the compliance date that is specified for his/her source in 40 CFR 63.7495 and according to the applicable provisions in 40 CFR 63.7(a)(2) as cited in Table 10 to subpart DDDDD, except as specified in 40 CFR 63.7510(j). The owner or operator must complete an initial tune-up by following the procedures described in 40 CFR 63.7540(a)(10)(i)

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through (vi) no later than the compliance date specified in 40 CFR 63.7495, except as specified in 40 CFR 63.7510(j). The owner or operator must complete the one-time energy assessment specified in Table 3 to subpart DDDDD no later than the compliance date specified in 40 CFR 63.7495, except as specified in 40 CFR 63.7510(j).

Condition 149: Initial compliance date for new sources subject to work practices

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7510(g), Subpart DDDDD

Item 149.1:

This Condition applies to:

Emission Unit: U00015
Process: K23

Emission Unit: U00015
Process: K24

Item 149.1:

This Condition applies to Emission Unit: U-00015

Item 149.2.3:

The owner or operator of a new or reconstructed affected sources (as defined in 40 CFR 63.7490) must demonstrate initial compliance with the applicable work practice standards in Table 3 to subpart DDDDD within the applicable annual, biennial, or 5-year schedule as specified in 40 CFR 63.7540(a) following the initial compliance date specified in 40 CFR 63.7495(a). Thereafter, the owner or operator is required to complete the applicable annual, biennial, or 5-year tune-up as specified in 40 CFR 63.7540(a).

Condition 150: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7520, Subpart DDDDD

Item 150.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 150.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All performance tests must be conducted according to 40 CFR 63.7(c), (d), (f), and (h). The owner or operator must also develop a site-specific stack test plan according to the requirements in 40 CFR 63.7(c). The owner or operator shall conduct all performance tests under such conditions as the Administrator specifies to he/she based on the representative performance of each boiler or process heater for the period being tested. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests.

Each performance test shall be conducted according to the requirements in Table 5 of Subpart DDDDD.

The owner or operator must conduct each performance test under the specific conditions listed in Tables 5 and 7 to subpart DDDDD. The owner or operator must conduct performance tests at representative operating load conditions while burning the type of fuel or mixture of fuels that has the highest content of chlorine and mercury, and TSM if he/she is opting to comply with the TSM alternative standard and he/she must demonstrate initial compliance and establish his/her operating limits based on these performance tests. These requirements could result in the need to conduct more than one performance test. Following each performance test and until the next performance test, the owner or operator must comply with the operating limit for operating load conditions specified in Table 4 to subpart DDDDD.

The owner or operator must conduct a minimum of three separate test runs for each performance test required in 40 CFR 63.7520, as specified in 40 CFR 63.7(e)(3). Each test run must comply with the minimum applicable sampling times or volumes specified in Tables 1 and 2 or 11 through 13 to subpart DDDDD.

To determine compliance with the emission limits, the owner or operator must use the F-Factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 at 40 CFR part 60, appendix A-7 to convert the measured particulate matter (PM) concentrations, the measured HCl concentrations, the measured mercury concentrations, and the measured TSM concentrations that result from the performance test to pounds per million Btu heat input emission rates.

Except for a 30-day rolling average based on CEMS (or sorbent trap monitoring system) data, if measurement

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results for any pollutant are reported as below the method detection level (e.g., laboratory analytical results for one or more sample components are below the method defined analytical detection level), the owner or operator must use the method detection level as the measured emissions level for that pollutant in calculating compliance. The measured result for a multiple component analysis (e.g., analytical values for multiple Method 29 fractions both for individual HAP metals and for total HAP metals) may include a combination of method detection level data and analytical data reported above the method detection level.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 151: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7525(a), Subpart DDDDD

Item 151.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 151.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For boilers or process heaters subject to a carbon monoxide emission limit in Table 1, 2, or 11 through 13 to Subpart DDDDD, the facility shall install, operate, and maintain an oxygen analyzer system, as defined in 40 CFR 63.7575, according to the procedures in paragraphs (a)(1) through (7) of 40 CFR 63.7525 by the compliance date specified in 40 CFR 63.7495. The oxygen level shall be monitored at the outlet of the boiler or process heater.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 152: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7530(b), Subpart DDDDD

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Item 152.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 152.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator that demonstrates compliance through performance testing must establish each site-specific operating limit in Table 4 to subpart DDDDD that applies to the facility according to the requirements in 40 CFR 63.7520, Table 7 to subpart DDDDD, and 40 CFR 63.7530(b)(4), as applicable. The owner or operator must also conduct or obtain fuel analyses according to 40 CFR 63.7521 and establish maximum fuel pollutant input levels according to 40 CFR 63.7530(b)(1) through (3), as applicable, and as specified in 40 CFR 63.7510(a)(2). (Note that 40 CFR 63.7510(a)(2) exempts certain fuels from the fuel analysis requirements.) However, if the owner or operator switches fuel(s) and cannot show that the new fuel(s) does (do) not increase the chlorine, mercury, or TSM input into the unit through the results of fuel analysis, then he/she must repeat the performance test to demonstrate compliance while burning the new fuel(s).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 153: Compliance Certification

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7530(h), Subpart DDDDD

Item 153.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 153.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

The owner or operator of a unit subject to emission limits in Tables 1 or 2 or 11 through 13 to subpart DDDDD must meet the work practice standard according to Table 3 of subpart DDDDD. During startup and shutdown, the owner or operator must only follow the work practice standards according to items 5 and 6 of Table 3 of subpart DDDDD.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 154: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7535, Subpart DDDDD

Item 154.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015

Process: K14

Item 154.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) You must monitor and collect data according to this section and the site specific monitoring plan required by § 63.7505(d).

(b) You must operate the monitoring system and collect data at all required intervals at all times that the affected source is operating, except for periods of monitoring system malfunctions or out of control periods (see § 63.8(c)(7) of this part), and required monitoring system quality assurance or control activities, including, as applicable, calibration checks and required zero and span adjustments. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. You are required to effect monitoring system repairs in response to monitoring system malfunctions or out-of-control periods and to return the

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monitoring system to operation as expeditiously as practicable.

(c) You may not use data recorded during monitoring system malfunctions or out-of-control periods, repairs associated with monitoring system malfunctions or out-of-control periods, or required monitoring system quality assurance or control activities in data averages and calculations used to report emissions or operating levels. You must use all the data collected during all other periods in assessing the operation of the control device and associated control system.

(d) Except for periods of monitoring system malfunctions or out-of-control periods, repairs associated with monitoring system malfunctions or out-of-control periods, and required monitoring system quality assurance or quality control activities including, as applicable, calibration checks and required zero and span adjustments, failure to collect required data is a deviation of the monitoring requirements.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 155: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.7540(a), Subpart DDDDD

Item 155.1:

The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

Emission Unit: U-00015
 Process: K14

Emission Unit: U-00015
 Process: K20

Emission Unit: U-00015
 Process: K23

Emission Unit: U-00015
 Process: K24

Item 155.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an industrial, commercial, and

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institutional boiler or process heater must demonstrate continuous compliance with each emission limit in Tables 1 and 2 or 11 through 13 to subpart DDDDD, the work practice standards in Table 3 to subpart DDDDD, and the operating limits in Table 4 to subpart DDDDD that applies to you according to the methods specified in Table 8 to subpart DDDDD and 40 CFR 63.7540(a)(1) through (19).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 156: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7545(d), Subpart DDDDD

Item 156.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 156.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you are required to conduct a performance test you must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 157: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7550(b), Subpart DDDDD

Item 157.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K20

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Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 157.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Unless the EPA Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the owner or operator must submit each report, according to 40 CFR 63.7550(h), by the date in Table 9 to subpart DDDDD and according to the requirements in (1) through (4). For units that are subject only to a requirement to conduct an annual, biennial, or 5-year tune-up according to 40 CFR 63.7540(a)(10), (11), or (12), respectively, and not subject to emission limits or operating limits, the owner or operator may submit only an annual, biennial, or 5-year compliance report, as applicable, as specified in paragraphs (1) through (4), instead of a semiannual compliance report.

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for the owner or operators source in 40 CFR 63.7495.

(2) The first compliance report must be post marked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495. The first annual, biennial, or 5-year compliance report must be post marked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent compliance report must be post marked

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or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be post marked or submitted no later than January 31.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 158: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7550(c), Subpart DDDDD

Item 158.1:

The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

Emission Unit: U-00015
 Process: K14

Emission Unit: U-00015
 Process: K20

Emission Unit: U-00015
 Process: K23

Emission Unit: U-00015
 Process: K24

Item 158.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All compliance reports for 40 CFR 63 Subpart DDDDD must contain the information required in 40 CFR 63.7550(c)(1) through (5).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 159: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7550(d), Subpart DDDDD

Item 159.1:

The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

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Emission Unit: U-00015
Process: K14

Item 159.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each deviation from an emission limit or operating limit in this subpart that occurs at an individual boiler or process heater where the owner or operator is not using a CMS to comply with that emission limit or operating limit, the compliance report must additionally contain the information required in following paragraphs (1) through (3).

(1) A description of the deviation and which emission limit or operating limit from which the owner or operator deviated.

(2) Information on the number, duration, and cause of deviations (including unknown cause), as applicable, and the corrective action taken.

(3) If the deviation occurred during an annual performance test, provide the date the annual performance test was completed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 160: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7550(e), Subpart DDDDD

Item 160.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 160.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each deviation from an emission limit, operating limit, and monitoring requirement in subpart DDDDD occurring at an affected source where the owner or operator is using a CMS to comply with that emission limit

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or operating limit, he/she must include the information required in 40 CFR 63.7550(e)(1) through (9). This includes any deviations from the site-specific monitoring plan as required in 40 CFR 63.7505(d).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 161: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.7550(h), Subpart DDDDD

Item 161.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 161.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility must submit the reports according to the procedures specified in paragraphs (1) through (3).

(1) Within 60 days after the date of completing each performance test (defined in §63.2) as required by this subpart facility must submit the results of the performance tests, including any associated fuel analyses, required by this subpart and the compliance reports required in §63.7550(b) to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see <http://www.epa.gov/ttn/chief/ert/index.html>). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. Owners or operators who claim that some of the information being submitted for performance tests is confidential business information (CBI) must submit a complete ERT file including information claimed to be CBI on a compact disk or other commonly used electronic storage media (including, but not limited to, flash drives) to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC

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27703. The same ERT file with the CBI omitted must be submitted to the EPA via CDX as described earlier in this paragraph. At the discretion of the Administrator, facility must also submit these reports, including the confidential business information, to the Administrator in the format specified by the Administrator. For any performance test conducted using test methods that are not listed on the ERT Web site, the owner or operator shall submit the results of the performance test in paper submissions to the Administrator.

(2) Within 60 days after the date of completing each CEMS performance evaluation test (defined in 63.2) facility must submit the relative accuracy test audit (RATA) data to the EPA's Central Data Exchange by using CEDRI as mentioned in paragraph (1). Only RATA pollutants that can be documented with the ERT (as listed on the ERT Web site) are subject to this requirement. For any performance evaluations with no corresponding RATA pollutants listed on the ERT Web site, the owner or operator shall submit the results of the performance evaluation in paper submissions to the Administrator.

(3) Facility must submit all reports required by Table 9 of this subpart electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due facility must submit the report to the Administrator at the appropriate address listed in §63.13. At the discretion of the Administrator, facility must also submit these reports, to the Administrator in the format specified by the Administrator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 162: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.7555(a), Subpart DDDDD

Item 162.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K20

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Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 162.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep records according to paragraphs (1) and (2).

(1) A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that was submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 163: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.7555(b), Subpart DDDDD

Item 163.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 163.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each CEMS, COMS, and continuous monitoring system the owner or operator must keep records according to paragraphs (1) through (5).

(1) Records described in 40 CFR 63.10(b)(2)(vii) through (xi).

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(2) Monitoring data for continuous opacity monitoring system during a performance evaluation as required in 40 CFR 63.6(h)(7)(i) and (ii).

(3) Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3).

(4) Request for alternatives to relative accuracy test for CEMS as required in 40 CFR 63.8(f)(6)(i).

(5) Records of the date and time that each deviation started and stopped.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 164: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7555(c), Subpart DDDDD

Item 164.1:

The Compliance Certification activity will be performed for the facility:
 The Compliance Certification applies to:

Emission Unit: U-00015
 Process: K14

Item 164.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep the records required in Table 8 to subpart DDDDD including records of all monitoring data and calculated averages for applicable operating limits, such as opacity, pressure drop, pH, and operating load, to show continuous compliance with each emission limit and operating limit that apply.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 165: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7555(d), Subpart DDDDD

Item 165.1:

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The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Item 165.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each boiler or process heater subject to an emission limit in Table 1, 2 or 11 through 13 to subpart DDDDD, the owner or operator must also keep the applicable records in 40 CFR 63.7555(d)(1) through (11).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 166: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.7560, Subpart DDDDD

Item 166.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015
Process: K14

Emission Unit: U-00015
Process: K20

Emission Unit: U-00015
Process: K23

Emission Unit: U-00015
Process: K24

Item 166.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective

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action, report, or record.

The owner or operator must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The owner or operator can keep the records off site for the remaining 3 years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 167: General provisions
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7565, Subpart DDDDD

Item 167.1:

This Condition applies to:

Emission Unit: U00015
 Process: K07

Emission Unit: U00015
 Process: K14

Emission Unit: U00015
 Process: K20

Emission Unit: U00015
 Process: K23

Emission Unit: U00015
 Process: K24

Item 167.1:

This Condition applies to Emission Unit: U-00015

Item 167.2.3:

Table 10 to subpart DDDDD shows which parts of the General Provisions in 40 CFR 63.1 through 63.15 apply to the facility. The owner or operator is responsible for ensuring they comply with all General Provisions contained in Table 10.

Condition 168: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

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Applicable Federal Requirement:6 NYCRR 227-1.3 (a)**Item 168.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K07

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 168.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Particulate emissions from each of the Package Boilers 1, 2, 3 and 4 (ES 031AC, 031AD, 031AE, 031AF) are limited to 0.10 lb/mmbtu, based on the combined heat input of the four boilers ducted to a common stack (EP 00001). To demonstrate compliance with the particulate limit, annual tune-ups shall be performed on each boiler in accordance with 6 NYCRR 227-1.3(c), or within 30 days of startup if the boiler did not operate during the calendar year. Records of maintenance and tune-ups must be kept on site and made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 1-25: Compliance Certification**Effective between the dates of 10/17/2023 and 03/31/2026****Applicable Federal Requirement:6 NYCRR 227-1.3 (c)****Item 1-25.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K07

Item 1-25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation must perform an annual tune-up on each emission source subject to 6 NYCRR Subpart 227-1. Records

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of the tune-up shall be maintained at the facility or at a Department approved alternative location for a minimum of five years. The records shall, at a minimum, include the date the tune-up(s) occurred and the details of the tune-up procedures for each emission source.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2024.
Subsequent reports are due every 6 calendar month(s).

Condition 169: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-2.5 (c)

Item 169.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K07

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 169.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

In order to comply with Subpart 227-2 NOx RACT requirements, the Package Boilers 1, 2, 3 and 4 (ES 031AC, 031AD, 031AE, 031AF) are each limited to 200,000 gallons of residual oil use per year, on a twelve month rolling basis. To demonstrate compliance with this limit, the amount of fuel burned in these units must be recorded within +/-5% accuracy and must be incorporated into a 12-month rolling total on a monthly basis.

Within 30 days of the end of each calendar year, the facility must report to the Department the 12-month rolling total fuel oil consumption for each of the four package boilers during each month of that previous year.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: NUMBER 6 OIL
Upper Permit Limit: 200000 gallons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

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The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 170: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-2.5 (c)

Item 170.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K07

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 170.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

To comply with Subpart 227-2 NOx RACT requirements, NOx emissions from each of the Package Boilers 1, 2, 3, and 4 (ES 031AC, 031AD, 031AE, 031AF) is limited to 0.57 lbs/mmbtu based on a one hour average. This source-specific limit is based on the most recent RACT analysis (dated December 2011, revised January 13, 2015, revised August 15, 2016), conducted in accordance with the provisions of Section 227-2.5, which demonstrated that compliance with the applicable presumptive RACT emission limit in Section 227-2.4 is not economically feasible.

To demonstrate compliance with this limit the facility owner or operation must conduct a performance test using EPA Method 7E once per five year permit term. In accordance with 6 NYCRR 202-1, a stack test protocol must be submitted to the Department at least 30 days prior to conducting the stack test. A stack test report must be submitted to the Department in triplicate within 60 days of completing the test.

Performance test records must be kept on-site for a minimum of 5 years and made available to the Department upon request.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.57 pounds per million Btus
Reference Test Method: Method 7E
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 1-27: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7500(c), Subpart DDDDD

Item 1-27.1:
 The Compliance Certification activity will be performed for:

Emission Unit: U-00015
 Process: K07

Item 1-27.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

Limited-use boilers and process heaters must complete a tune-up every 5 years as specified in 40 CFR 63.7540. Limited-use boilers are not subject to the emission limits in 40 CFR Part 63, Subpart DDDDD, Tables 1 and 2 or 11 through 13, the annual tune-up, the energy assessment requirements in Table 3, or the operating limits in Table 4.

The owner or operator must keep fuel use records for the days the boiler or process heater was operating.

According to the requirements in 63.7550(b), the owner or operator shall report whether he or she complied with this requirement every five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 172: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

Item 172.1:
 The Compliance Certification activity will be performed for:

Emission Unit: U-00015
 Process: K14

Regulated Contaminant(s):
 CAS No: 000630-08-0 CARBON MONOXIDE

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Facility DEC ID: 8269900126

Item 172.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional light liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of carbon monoxide emissions.

The concentration limit for carbon monoxide is 130 ppmvd or less corrected to 3% oxygen based on the average of three runs. Each run must be for at least one hour.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 130 parts per million by volume
(dry, corrected to 3% oxygen)

Reference Test Method: see table 5.5 of subpart DDDDD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 173: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.7500(a)(1), Subpart DDDDD

Item 173.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K14

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 173.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional light liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of filterable particulate matter emissions.

The concentration limit for filterable particulate matter is 0.0079 lb/mmBtu of heat input or less based on the average of three runs. Each run must collect a minimum of three dry standard cubic meters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the

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provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.0079 pounds per million Btus
 Reference Test Method: see table 5.1 of subpart DDDDD
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 174: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.7500(a)(1), Subpart DDDDD

Item 174.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
 Process: K14

Regulated Contaminant(s):
 CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 174.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of hydrogen chloride emissions.

The concentration limit for hydrogen chloride is 0.0011 lb/mmBtu of heat input or less based on the average of three runs. If using method 26A, each run must collect a

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minimum of two dry standard cubic meters and if using method 26 each run must collect a minimum of 240 liters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.0011 pounds per million Btus

Reference Test Method: see table 5.3 of subpart DDDDD

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 175: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.7500(a)(1), Subpart DDDDD

Item 175.1:

The Compliance Certification activity will be performed for:

Permit ID: 8-2699-00126/00001

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Emission Unit: U-00015

Process: K14

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 175.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional liquid fuel-fired boiler with heat input capacity of 10 million Btu per hour or greater located at a major source of HAP emissions must limit the concentration of mercury emissions.

The concentration limit for mercury is 0.0000020 (2.0E-06) lb/mmBtu of heat input or less based on the average of three runs. If using method 29, each run must collect a minimum of three dry standard cubic meters, if using method 30A or B, each run must collect a minimum sample volume as specified in the method, and if using ASTM D6784 each run must collect a minimum of two dry standard cubic meters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications

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and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.0000020 pounds per million Btus
 Reference Test Method: see table 5.4 of subpart DDDDD
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 176: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 63.7500(a)(2), Subpart DDDDD

Item 176.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
 Process: K14

Item 176.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance test must maintain the operating load limit such that it does not exceed 110 percent of the highest operating load recorded during the most recent performance test. This limit will be established according to Table 7 of 40 CFR 63, Subpart DDDDD and compliance will be demonstrated according to Table 8 of 40 CFR 63, Subpart DDDDD.

Based on the test conducted on July 19, 2018, the steam output from Boiler 44 while firing fuel oil (Process K14) is limited to a maximum of 565,300 pounds per hour, on a 30-day rolling average basis. To demonstrate compliance with this limit the facility owner or operator must monitor the steam output from Boiler 44 while firing fuel oil continuously.

This limit will be confirmed or reestablished upon completion of the next required performance test. Records of performance tests and steam output must be maintained on-site for a at least five years and made available to

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the Department upon request.

Parameter Monitored: STEAM OUTPUT
Upper Permit Limit: 565300 pounds per hour
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2021.
Subsequent reports are due every 6 calendar month(s).

Condition 177: Demonstrating Compliance
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7505(c), Subpart DDDDD

Item 177.1:

This Condition applies to Emission Unit: U-00015
Process: K14

Item 177.2:

The owner or operator of an industrial, commercial, or institutional boiler located at a major source of HAP must demonstrate compliance with all applicable emission limits using performance stack testing, fuel analysis, or continuous monitoring systems (CMS), including a continuous emission monitoring system (CEMS), continuous opacity monitoring system (COMS), continuous parameter monitoring system (CPMS), or particulate matter continuous parameter monitoring system (PM CPMS), where applicable. The owner or operator may demonstrate compliance with the applicable emission limit for hydrogen chloride (HCl), mercury, or total selected metals (TSM) using fuel analysis if the emission rate calculated according to 40 CFR 63.7530(c) is less than the applicable emission limit. (For gaseous fuels, the owner or operator may not use fuel analyses to comply with the TSM alternative standard or the HCl standard.) Otherwise, the owner or operator must demonstrate compliance for HCl, mercury, or TSM using performance testing, if subject to an applicable emission limit listed in Tables 1, 2, or 11 through 13 to subpart DDDDD.

Condition 178: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:40CFR 63.7515(h), Subpart DDDDD

Item 178.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

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Process: K14

Item 178.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected boiler or process heater that is designed to burn light liquid subcategory and combusts ultra low sulfur liquid fuel does not need to conduct further performance tests if the pollutants measured during the initial compliance performance tests meet the emission limits in Tables 1 or 2 of subpart DDDDD providing that he/she demonstrates ongoing compliance with the emissions limits by monitoring and recording the type of fuel combusted on a monthly basis. If the owner or operator intends to use a fuel other than ultra low sulfur liquid fuel, natural gas, refinery gas, or other gas 1 fuel, he/she must conduct new performance tests within 60 days of burning the new fuel type.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 179: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 40CFR 60.46b(f), NSPS Subpart Db**Item 179.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K22

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 179.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected duct burner used in a combined cycle system may elect to demonstrate compliance with the applicable NOx emission limit under §60.44b(a)(4) using the CEMS for measuring NOx and O2 and meeting the requirements of §60.48b. This compliance demonstration must be based on a 30-day rolling average. The NOx emission rate measured at the outlet from the steam generating unit shall constitute the NOx emission rate from the duct burner of the combined cycle system.

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In accordance with subdivision 60.49b(b) of this 40 CFR 60, Subpart Db, the facility owner or operator must submit to the Department the performance test data from the initial compliance demonstration and the performance evaluation of the CEMS using the applicable performance specifications in Appendix B to 40 CFR Part 60.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 180: Compliance Certification
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)

Item 180.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K23

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 180.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In accordance with 6 NYCRR 227-1.3(a), particulate emissions from Boiler 45 while firing No.2 fuel oil (Process K23) are limited to a maximum of 0.10 pounds per million Btu heat input on a 1-hour average basis. The facility owner or operator demonstrated initial compliance with this emission limit through conducting an initial performance test in July 2018. Since Boiler 45 only fires No. 2 fuel oil as a back-up fuel, on-going compliance with this limit will be demonstrated by conducting subsequent performance tests at the request of the Department.

Performance tests must be conducted in accordance with EPA Reference Method 5. In accordance with 6 NYCRR 202-1, a performance test protocol must be submitted to the Department at least 30 days prior to conducting the test. A performance test report must be submitted to the Department in triplicate within 60 days of completing the test.

Upper Permit Limit: 0.10 pounds per million Btus

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Reference Test Method: EPA RM5
 Monitoring Frequency: UPON REQUEST OF REGULATORY AGENCY
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 182: Compliance Certification
 Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 229.5 (d)

Item 182.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
 Process: K25

Regulated Contaminant(s):
 CAS No: 0NY998-00-0 VOC

Item 182.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a volatile organic liquid storage tank that is subject to 6NYCRR Part 229 must maintain a record of the capacity (in gallons) of the volatile organic liquid storage tank at the facility.

Monitoring Frequency: ANNUALLY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2021.
 Subsequent reports are due every 6 calendar month(s).

Condition 183: VOL storage tanks less than 10000 gallons
 Effective between the dates of 04/01/2021 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 229.3 (e) (2) (v)

Item 183.1:

This Condition applies to Emission Unit: U-00015
 Process: K25 Emission Source: 321AK

Item 183.2:

Volatile organic liquid tanks with a capacity of less than 10,000 gallons must be equipped with a conservation vent.

Condition 1-26: Compliance Certification

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Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 227-2.4 (f) (3)**Item 1-26.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K28

Emission Source: 321BP

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to stationary internal combustion engines that have a maximum mechanical output rating equal to or greater than 200 brake horsepower in a severe ozone nonattainment area or 400 brake horsepower outside a severe ozone nonattainment area and are fired by distillate oil. The owner or operator is required to submit a compliance testing protocol to the department for approval at least 90 days prior to testing. The owner or operator will maintain all records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 6 calendar month(s).

Condition 1-28: Compliance Certification

Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement:6 NYCRR 227-2.4 (e) (2)**Item 1-28.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Emission Point: PGT01

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-28.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility is authorized to operate one (1) 40 MW natural gas-fired combustion turbine (ES 321BA) and one (1) natural gas-fired duct burner (ES 321BE) which are subject to Subpart 227-2 NO_x RACT requirements. These sources are included in Processes K21 and K22.

Based on the information submitted in the New Source Review evaluation (and revised case-by-case NO_x RACT analysis submitted November 29, 2022), the following emission rate is considered NO_x RACT when the turbine is operating on natural gas (Process K21) without the duct burner (Process K22): 0.055 lbs NO_x/MMBtu for Emission Point PGT01.

To demonstrate compliance with this limit, the facility owner or operator must continuously monitor NO_x emissions using a continuous monitoring system (CEMS) or an equivalent system approved by the Department. Compliance with this limit will be based on a 1-hour average.

The NO_x monitoring system must be installed, calibrated, maintained, and operated in accordance with 6 NYCRR 227-2.6 as required elsewhere in this permit. Additionally, the facility owner or operator must comply with the monitoring system monitoring, recordkeeping, and reporting requirements specified elsewhere in this permit. Facility owner or operators required to use 40 CFR Part 75 monitoring reference methods are required to do so. Other facility owner or operators may use either 40 CFR Part 60 or 40 CFR Part 75 monitoring reference methods.

The facility owner or operator must reevaluate the case-by-case NO_x RACT analysis for the combustion turbine and duct burner with the next permit renewal or upon request by the Department. The analysis must be prepared in accordance with NYSDEC Program Policy DAR-20: Economic and Technical Analysis for Reasonably Available Control Technology (RACT).

The facility owner or operator must maintain records for a period of at least five years. Records must be made available to the Department upon request.

Manufacturer Name/Model Number: NO_x Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.055 pounds per million Btus

Reference Test Method: 40 CFR 60, Appendix B or 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

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Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2024.
Subsequent reports are due every 6 calendar month(s).

Condition 1-29: Compliance Certification
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable Federal Requirement: 6 NYCRR 227-2.4 (e) (2)

Item 1-29.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Emission Point: PGT01

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility is authorized to operate one (1) 40 MW natural gas-fired combustion turbine (ES 321BA) and one (1) natural gas-fired duct burner (ES 321BE) which are subject to Subpart 227-2 NO_x RACT requirements. These sources are included in Processes K21 and K22.

Based on the information submitted in the New Source Review evaluation (and revised case-by-case NO_x RACT analysis submitted November 29, 2022), the following emission rate is considered NO_x RACT when the turbine is operating on natural gas (Process K21) with the duct burner (Process K22): 0.070 lbs NO_x/MMBtu for Emission Point PGT01.

To demonstrate compliance with this limit, the facility owner or operator must continuously monitor NO_x emissions using a continuous monitoring system (CEMS) or an equivalent system approved by the Department. Compliance with this limit will be based on a 1-hour average.

The NO_x monitoring system must be installed, calibrated, maintained, and operated in accordance with 6 NYCRR 227-2.6 as required elsewhere in this permit.

Additionally, the facility owner or operator must comply with the monitoring system monitoring, recordkeeping, and reporting requirements specified elsewhere in this permit. Facility owner or operators required to use 40 CFR Part 75 monitoring reference methods are required to do so. Other facility owner or operators may use either 40 CFR Part 60

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or 40 CFR Part 75 monitoring reference methods.

The facility owner or operator must reevaluate the case-by-case NO_x RACT analysis for the combustion turbine and duct burner with the next permit renewal or upon request by the Department. The analysis must be prepared in accordance with NYSDEC Program Policy DAR-20: Economic and Technical Analysis for Reasonably Available Control Technology (RACT).

The facility owner or operator must maintain records for a period of at least five years. Records must be made available to the Department upon request.

Manufacturer Name/Model Number: NO_x Analyzer
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.070 pounds per million Btus
Reference Test Method: 40 CFR 60, Appendix F or 40 CFR Part 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2024.
Subsequent reports are due every 6 calendar month(s).

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STATE ONLY ENFORCEABLE CONDITIONS****** Facility Level ********NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR 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.

(a) The affirmative defense of emergency shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) an emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;

(2) the equipment at the facility was being properly operated and maintained;

(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) the facility owner or operator notified the department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.

(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or malfunction provision contained in any applicable requirement.

Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

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

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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.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 188: Contaminant List

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable State Requirement:ECL 19-0301

Item 188.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000071-43-2
Name: BENZENE

CAS No: 000075-09-2
Name: DICHLOROMETHANE

CAS No: 000124-38-9
Name: CARBON DIOXIDE

CAS No: 000630-08-0
Name: CARBON MONOXIDE

CAS No: 007439-92-1
Name: LEAD

CAS No: 007439-97-6
Name: MERCURY

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

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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: 0NY100-00-0
Name: TOTAL HAP

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0
Name: VOC

Condition 1-30: Malfunctions and Start-up/Shutdown Activities
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable State Requirement:6 NYCRR 201-1.4

Item 1-30.1:

- (a) 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.
- (b) The facility owner or operator shall compile and maintain records of all equipment maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.
- (c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, the air contaminants emitted, and the resulting emission rates and/or opacity.
- (d) The department may also require the facility owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground

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level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 1-31: Requirement to Commence Construction
Effective between the dates of 10/17/2023 and 03/31/2026

Applicable State Requirement:6 NYCRR 201-1.15

Item 1-31.1:

The Department may suspend, modify or revoke the permit, pursuant to 6 NYCRR Part 621, if construction has not commenced within 18 months of the date of permit issuance, or construction has been discontinued for a period of more than 18 months at any point after the date of permit issuance.

The Department may grant the facility owner or operator an extension of up to 18 months upon a showing of good cause submitted in writing.

Condition 190: CLCPA Applicability
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable State Requirement:6 NYCRR 201-6.5 (a)

Item 190.1:

Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

Condition 191: Air pollution prohibited
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable State Requirement:6 NYCRR 211.1

Item 191.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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Condition 192: Compliance Demonstration
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable State Requirement: 6 NYCRR Subpart 212-2**Item 192.1:**

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00008

Item 192.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For emissions of contaminants not specifically identified in this permit, the facility owner or operator must meet the requirements specified in Subdivision 6 NYCRR 212-2.3(b), Table 4 "Degree of Air Cleaning Required for Non-Criteria Air Contaminants" or Subdivision 6 NYCRR 212-2.2, Table 2 "High Toxicity Air Contaminant List" (HTAC) as described below:

1. Contaminants that have been assigned an Environmental Rating of "C", are limited to a maximum emission rate potential (ERP) of 10 lbs/hour and a maximum ambient off-site air concentration less than the respective annual and short-term guideline concentration (AGC & SGC).
2. Contaminants that have been assigned an Environmental Rating of "B", are limited to a maximum emission rate potential (ERP) of 10 lbs/hour and a maximum ambient off-site air concentration less than the respective annual and short-term guideline concentration (AGC & SGC).
3. Contaminants that have been assigned an Environmental Rating of "A", are limited to a maximum emission rate potential (ERP) of 0.1 lbs/hour and a maximum ambient off-site air concentration less than the respective annual and short-term guideline concentration (AGC & SGC).
4. Contaminants listed as an HTAC, must not exceed the Mass Emission Limits (MEL) in Part 212-2.2 Table 2, or may demonstrate predicted ambient maximum off-site air concentrations are less than the respective annual and short-term guideline concentrations (AGC & SGC).

The facility must maintain records to demonstrate that none of these contaminants have an increase in ERP or annual emission rates. Any increase in the ERP or annual emissions of a contaminant may require a re-evaluation of its Environmental Rating and review of the ambient off-site air concentrations to demonstrate that impacts are below the AGC and SGC. Any increase in the ERP may

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trigger control requirements under subdivision 212-2.3(b),
Table 4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2022.

Subsequent reports are due every 12 calendar month(s).

****** Emission Unit Level ******

Condition 193: Compliance Demonstration
Effective between the dates of 04/01/2021 and 03/31/2026

Applicable State Requirement: 6 NYCRR 212-2.4 (b)

Item 193.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008

Emission Point: 09504

Process: K06

Emission Source: 095AG

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 193.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

To demonstrate compliance with the 6 NYCRR 212-2.4(b)(1) particulate limit of 0.050 grains/dscf, the pressure drop across the Torit dust collector (Control Device 095AG) must be maintained at or between 0.3 and 7.0 inches of water. The facility owner or operator must monitor the pressure drop at least once every 8 hours and dust collector bags must be changed as needed to maintain the proper operating pressure drop.

Records of pressure drop and bag changes must be kept on-site for a minimum of five years and made available to the Department upon request.

Parameter Monitored: PRESSURE DROP

Lower Permit Limit: 0.3 inches of water

Upper Permit Limit: 7.0 inches of water

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED

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RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 194: Compliance Demonstration**Effective between the dates of 04/01/2021 and 03/31/2026****Applicable State Requirement: 6 NYCRR 212-2.4 (b)****Item 194.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008

Emission Point: 09508

Process: K06

Emission Source: 095AJ

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 194.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

To demonstrate compliance with the 6 NYCRR 212-2.4(b)(1) particulate limit of 0.050 grains/dscf, the pressure drop across the HEPA filter (Control Device 095AJ) must be maintained at or between 0.1 and 5.0 inches of water. The facility owner or operator must continuously monitor the HEPA filter pressure drop while the B-95 Central Vacuum System (ES 095AJ) is operating. A distributed control system must be used to collect and record the pressure drop data.

The HEPA filter must be replaced as necessary to maintain the proper operating pressure drop and calibrations of monitoring equipment must be performed annually.

Records of pressure drop, filter replacement, and calibrations must be maintained at the facility for a minimum of five years and made available to the Department upon request.

Parameter Monitored: PRESSURE DROP

Lower Permit Limit: 0.1 inches of water

Upper Permit Limit: 5.0 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2021.

Subsequent reports are due every 6 calendar month(s).

Condition 195: Compliance Demonstration

Effective between the dates of 04/01/2021 and 03/31/2026

Applicable State Requirement: 6 NYCRR 242-1.4 (b)**Item 195.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 195.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Notwithstanding Subdivision (a) of this Section, any unit that, on or before December 1, 2008, applies for an 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 exemption under Paragraph (b)(1) of this Section shall become effective as of January 1, 2009 and remain in effect unless and until the unit loses its exemption under Subparagraph (b)(3)(v) of this Section.

A unit exempt under Paragraph (b)(1) of this Section shall comply with the restriction on percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section.

A unit exempt under Paragraph (b)(1) of this Section shall report to the department the amount of annual gross generation and the amount of annual gross generation supplied to the electric grid during the year by the following February 1st.

For a period of 10 years from the date the records are created, the owners and operators of a unit exempt under

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Paragraph (b)(1) of this Section shall retain, at the source that includes the unit, records demonstrating that the conditions of the permit under Paragraph (b)(1) of this Section were met. The 10-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the department. The owners and operators bear the burden of proof that the unit met the restriction on the percentage of annual gross generation that may be supplied to the electric grid.

The owners and operators and, to the extent applicable, the CO₂ authorized account representative of a unit exempt under Paragraph (b)(1) of this Section shall comply with all the requirements of this Part concerning all time periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.

On the earlier of the following dates, a unit exempt under Paragraph (b)(1) of this Section shall lose its exemption:

- (a) the date on which the restriction on the percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section is removed from the unit's permit or otherwise becomes no longer applicable in any year that commences on or after January 1, 2009; or
- (b) the first date on which the unit fails to comply, or on which the owners and operators fail to meet their burden of proving that the unit is complying, with the restriction on the percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section during any year that commences on or after January 1, 2009.

A unit that loses its exemption in accordance with Subparagraph (b)(3)(v) of this Section shall be subject to the requirements of this Part. For the purpose of applying permitting requirements under Subpart 242-3 of this Part, allocating allowances under Subpart 242-5 of this Part, and applying monitoring requirements under Subpart 242-8 of this Part, the unit shall be treated as commencing operation on the date the unit loses its exemption.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2022.

Subsequent reports are due every 12 calendar month(s).

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Condition 1-32: Compliance Demonstration
Effective between the dates of 10/17/2023 and 03/31/2026**Applicable State Requirement:6 NYCRR 251.3 (a) (1)****Item 1-32.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00015 Emission Point: PGT01

Regulated Contaminant(s):
CAS No: 000124-38-9 CARBON DIOXIDE**Item 1-32.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Owners or operators of boilers that are permitted to fire greater than 70 percent fossil fuel, combined cycle combustion turbines, or stationary internal combustion engines that fire only gaseous fuel, except for those emission sources directly attached to a gasifier, are required to meet an emission rate of 120 pounds of CO₂ per million Btu of input (input-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual total Btus (input-based limit) fired. The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Manufacturer Name/Model Number: CO₂ Continuous Monitor

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 120 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 3 calendar month(s).

Condition 1-33: Compliance Demonstration
Effective between the dates of 10/17/2023 and 03/31/2026**Applicable State Requirement:6 NYCRR 251.3 (a) (1)****Item 1-33.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00015 Emission Point: PGT01

Permit ID: 8-2699-00126/00001

Facility DEC ID: 8269900126

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 1-33.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Owners or operators of boilers that are permitted to fire greater than 70 percent fossil fuel, combined cycle combustion turbines, or stationary internal combustion engines that fire only gaseous fuel, except for those emission sources directly attached to a gasifier, are required to meet an emission rate of 925 pounds of CO₂ per MW hour gross electrical output (output-based limit). These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO₂ emissions over the relevant 12-month period by the annual total (gross) MW generated (output-based limit). The owner or operator must maintain all records associated with these requirements on site or at a location acceptable to the Department for a minimum of five years.

Manufacturer Name/Model Number: CO₂ Continuous Monitor

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 925 pounds per megawatt hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2024.

Subsequent reports are due every 3 calendar month(s).

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