

Facility DEC ID: 9041200012

**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 9-0412-00012/00055  
Mod 0 Effective Date: 09/14/2015 Expiration Date: 09/13/2025  
Mod 1 Effective Date: 09/03/2020 Expiration Date: 09/13/2025

Permit Issued To: DRESSER-RAND GROUP INC IN P'SHIP WITH DRESSER-RAND LLC  
10205 WESTHEIMER RD STE 1000  
HOUSTON, TX 77042

Contact: JOHN STAHLEY  
SIEMENS  
500 PAUL CLARK DR  
OLEAN, NY 14760  
(716) 375-3520

Facility: DRESSER-RAND COMPANY - OLEAN OPERATIONS  
500 PAUL CLARK DR  
OLEAN, NY 14760

Contact: KIMBERLY LONG  
SIEMENS  
500 PAUL CLARK DR  
OLEAN, NY 14760  
(346) 217-7361

Description:

This permit modification, Ren 1 Mod 1, is a minor modification for the addition of a new spray paint booth and the removal of emission point 11. The new spray booth is located at plant 1 and is intended to streamline process flow. The new spray booth is not expected to increase emissions and will not change any emission caps or limits in the permit. The new booth has been added to emission unit D-ROPB1, process 004, emission point 00015. Dresser-Rand has also removed emission point 11 and its associated processes, metal stripping and acid pickling. Therefore, the emission unit D-ROSP1, emission point 00011 and processes 005 and 012 are removed from the permit with this modification. This mod also adds conditions for Part 226 Solvent Cleaning Processes and Industrial Cleaning Solvents.

Dresser-Rand Olean Operations manufactures gas turbines and centrifugal compressor products used in oil and gas production, oil and gas transmission, and refining. This permit covers the operation of two separate plants situated on 90 acres of land. Plant No. 1 is composed of a machine shop, welding shop and

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maintenance shop. Plant No. 2 is composed of an assembly shop, equipment test area, impeller center and a distribution center. The facility is located in the City of Olean in Cattaraugus County.

The facility consists of five natural gas fired boilers where some provide building heat and others provide steam to test the products manufactured. The two boilers that heated plant 1, EP 23 and 24, were replaced by smaller heating units scattered throughout one of the plants. There are two flares that control gas emissions from the product testing process, 3 large spray booths and one medium spray booth (this includes the new booth), two abrasive cleaning booths and a few small processes.

The permit includes opacity limits for the paint booths and flares, as well as particulate limits for the grit/shot blasting booths.

The permit also includes VOC, NO<sub>x</sub>, total HAPs and CO emission caps to keep actual emissions below the Title V applicability thresholds in 6NYCRR Part 201-6.

The permit, Ren 1 Mod 0, limits facility emissions of total volatile organic compounds (VOC) to less than 45 tons per year (tpy). This limit keeps actual VOC emissions below Title V applicability threshold. The previous permit, Ren 0 Mod 1, limited VOC's to less than 9.5 tons to stay below the applicability level of 6NYCRR Part 228 for surface coating, but Part 228-1 was modified and no longer allows this facility to cap out of Part 228-1 applicability. The surface coating operations must comply with subpart 228-1.

The permit limits facility emissions of oxides of nitrogen (NO<sub>x</sub>) to less than 95 tpy to keep actual emissions below the applicability threshold of the NO<sub>x</sub> RACT requirements of 6NYCRR Part 227-2. This emission cap was carried over from the previous permit with no changes.

The permit limits facility emissions of total Hazardous Air Pollutants (HAP) to less than 23 tpy. This emission cap was carried over from the previous permit with no changes.

This permit limits facility emissions of carbon monoxide to 95 tpy.

The 201.88 million Btu per hour boiler (emission point 40) in plant No. 2 was built in 1993 and is subject to the federal New Source Performance Standards (NSPS) for medium sized boilers, 40CFR60 Subpart Db. The plant accepted a

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federally enforceable annual capacity factor limit of 10 percent or less, which excludes the boiler from the NO<sub>x</sub> standards in Subpart Db.

The 16.8 million Btu per hour boiler in plant No. 2 (emission point 29) was built in 1999 and is subject to the federal New Source Performance Standards (NSPS) for small boilers, 40CFR60 Subpart Dc. The two 48 million Btu per hour boilers (emission points 23 and 24) in plant No. 1 were replaced by 14 small heating units and 34 large heating units, each rated below 10 million Btu, in year 2014. The other three boilers in plant No. 2 (emission source ID Nos. 00024, 00025 and 00026) were built before 1974 and, therefore are not subject to any NSPS's. These three boilers are rated at 84, 92 and 185 million Btu respectively.

In November 2009 two natural gas-fired emergency electric generators were installed, one for each plant. The generator in plant No. 1 is rated at 150 kW (200hp), while the generator at plant No. 2 is rated at 200 kW (270hp). The generators are considered new stationary reciprocating internal combustion engines located at an area source and must meet the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) from Reciprocating Internal Combustion Engines (RICE), 40CFR63 subpart ZZZZ and the NSPS for Stationary Spark Ignition Internal Combustion Engines, 40CFR60 subpart JJJJ. To comply with subpart ZZZZ the emergency engines must meet the requirements of 40CFR60 subpart JJJJ. No further requirements apply for the engines under subpart ZZZZ, per 63.6590(c). The emergency engines are exempt from permitting, per 6NYCRR 201-3.2(c)(6), but are included in the permit (EU 0-EMGEN) because they are subject to Federal requirements.

Subpart JJJJ requires that the engines meet emission standards in table 1 for NO<sub>x</sub>, CO and VOCs. The engines shall show compliance through either testing or being certified to 40 CFR Part 1048 - Control of Emissions from New, Large Nonroad Spark-Ignition Engines. The two emergency engines located at Dresser-Rand are both certified to Part 1048 and need only to follow the manufacturer's operation and maintenance specifications.

Dresser-Rand has a rotor cell building which is stationed between plants No. 1 and 2. The rotor cell contains a few smaller machining operations and 3 electric heat treating ovens and an alkaline parts cleaner. The alkaline parts washer exclusively uses a caustic cleaning solution and is considered trivial under 201-3.3(c)(48). Since the ovens are electric, they have no combustion emissions and do not require permitting.

There are two other ovens on the property, both located in plant No. 1. One Bellevue furnace (asset 660) across from the babbiting [D-ROMD1] and one

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Sauder industrial furnace (asset 786) next to the walk-in grit blast cabinet [D-ROMP1]. All of the ovens (heat treating furnaces) at Dresser-Rand have heat inputs less than 10 million Btu per hour. Therefore, they are exempt from permitting under 6 NYCRR 201-3.2(c)(1)(i).

#### Non-Applicability Determinations

The National Emission Standards for Hazardous Air Pollutants (NESHAP) Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, 40 CFR Part 63 Subpart XXXXXX (6X's) does not apply to the facility because the facility Standard Industrial Classification (SIC) code 3563, is not included in EPA's November 2011 Questions and Answers document as one of the subject SICs.

All of the boilers fire natural gas and are not subject to the National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers, 40CFR63 subpart JJJJJJ, because 60.11195(e) specifically states that gas fired boilers are not subject to subpart JJJJJJ.

Dresser-Rand has a small room that contains their magna flux inspection process and is located in plant No. 1. Here parts are inspected for cracks, scratches and other imperfection using Magna Flux products and magnetism. The magna flux solutions are applied in a two-part process with aerosol cans or using a tub and hose. Aerosol spray cans are used for small parts, where a red coating is applied and then a white coating. The tub and hose are used for longer parts, such as shafts, where ZYGLO ZL-67 is applied and then 14A REDI-BATH using a low velocity hose. The tub process uses less than five gallons of ZYGLO ZL-67 per year and three to six 27 oz. bottles of 14A REDI-BATH per year. Both magna flux inspection processes are considered trivial per 6 NYCRR 201-3.3(c)(53). Since the activities in the magna flux inspection room are considered trivial in Subpart 201-3 the room exhaust system and emission point are exempt from permitting requirements.

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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: LISA M CZECHOWICZ  
NYSDEC - REGION 9  
270 MICHIGAN AVE  
BUFFALO, NY 14203-2915

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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**DEC GENERAL CONDITIONS**

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**Facility Level**

- 5 6 Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS

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**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**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 expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for 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 1-1: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6 NYCRR 621.11**

**Item 1-1.1:**

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 1-1.2:**

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

**Item 1-1.3**

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.

**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 9 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 9 Headquarters  
 Division of Environmental Permits  
 270 Michigan Avenue  
 Buffalo, NY 14203-2915

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(716) 851-7165

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**Permit Under the Environmental Conservation Law (ECL)**

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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10205 WESTHEIMER RD STE 1000  
HOUSTON, TX 77042

Facility: DRESSER-RAND COMPANY - OLEAN OPERATIONS  
500 PAUL CLARK DR  
OLEAN, NY 14760

Authorized Activity By Standard Industrial Classification Code:  
3563 - AIR AND GAS COMPRESSORS

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- 8 5 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 8 6 6 NYCRR 201-3.2 (a): Compliance Demonstration
- 8 7 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 9 8 6 NYCRR 202-1.1: Required Emissions Tests
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- 9 \*10 6 NYCRR Subpart 201-7: Capping Monitoring Condition
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- 18 48 6 NYCRR 211.2: Visible Emissions Limited
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- 25 18 6 NYCRR 228-1.4 (b) (4) (ii): Compliance Demonstration
- 26 19 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
- 26 20 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 27 21 40CFR 60, NSPS Subpart JJJJ: Applicability
- 27 22 40CFR 60, NSPS Subpart JJJJ: Compliance and Enforcement
- 27 23 40CFR 60.4246, NSPS Subpart JJJJ: Subpart A  
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- 28 24 40CFR 63, Subpart ZZZZ: Applicability
- 28 25 40CFR 63, Subpart ZZZZ: Compliance and Enforcement

**Emission Unit Level**

**EU=0-EMGEN**

- 28 26 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Demonstration
- 29 27 40CFR 60.4234, NSPS Subpart JJJJ: Length of time a  
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- 29 28 40CFR 60.4243(b)(1), NSPS Subpart JJJJ: Compliance Demonstration
- 31 29 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Demonstration
- 31 30 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE  
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**EU=D-R00B2**

- 32 31 6 NYCRR 227-1.3 (a): Compliance Demonstration

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**EU=D-R00B2,EP=00029**

33 32 40CFR 60.48c(g)(2), NSPS Subpart Dc: Compliance Demonstration

**EU=D-R00B2,EP=00040,Proc=003,ES=00027**

33 \*33 6 NYCRR Subpart 201-7: Capping Monitoring Condition

**EU=D-R00F1**

35 34 6 NYCRR 212-1.5 (g): Compliance Demonstration

36 35 6 NYCRR 212-1.5 (g): Compliance Demonstration

37 36 6 NYCRR 212-1.6 (a): Compliance Demonstration

**EU=D-ROPB1**

38 37 6 NYCRR 228-1.3 (a): Compliance Demonstration

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41 39 6 NYCRR 228-1.3 (c): Surface Coating- Prohibitions

41 40 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal

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47 43 ECL 19-0301: Contaminant List

48 44 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

48 45 6 NYCRR Subpart 201-5: Emission Unit Definition

51 46 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits

51 1-9 6 NYCRR 201-5.3 (c): CLCPA Applicability

51 47 6 NYCRR 201-5.3 (c): Compliance Demonstration

51 14 6 NYCRR 211.1: Air pollution prohibited

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52 49 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit

54 50 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: \* preceding the condition number indicates capping.

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**FEDERALLY ENFORCEABLE CONDITIONS**

Renewal 1/Mod 1/FINAL

\*\*\*\* Facility Level \*\*\*\*

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Sealing - 6 NYCRR 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6**

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.

**Item C: Maintenance of Equipment - 6 NYCRR 200.7**

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,

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required to operate such device effectively.

**Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2**

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Recycling and Salvage - 6 NYCRR 201-1.7**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

**Item F: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8**

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.

**Item G: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item H: Proof of Eligibility for Sources Defined as Trivial**

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**Activities - 6 NYCRR 201-3.3 (a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item I: Required Emission Tests - 6 NYCRR 202-1.1**

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

**Item J: Open Fires Prohibitions - 6 NYCRR 215.2**

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

**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)**



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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.

**FEDERAL APPLICABLE REQUIREMENTS**  
**The following conditions are federally enforceable.**

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**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.

**Condition 2: Maintenance of Equipment**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 2.1:**

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 3: Recycling and Salvage**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 201-1.7**

**Item 3.1:**

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.

**Condition 4: Prohibition of Reintroduction of Collected Contaminants to the air**

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**Applicable Federal Requirement:6 NYCRR 201-1.8**

**Item 4.1:**

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 5: Exempt Sources - Proof of Eligibility**

Effective between the dates of 09/14/2015 and 09/13/2025

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

**Item 5.1:**

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 6: Compliance Demonstration**

Effective between the dates of 09/14/2015 and 09/13/2025

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

**Item 6.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

AS PROOF OF EXEMPT ELIGIBILITY FOR THE EMERGENCY GENERATORS, THE FACILITY MUST MAINTAIN MONTHLY RECORDS WHICH DEMONSTRATE THAT EACH ENGINE IS OPERATED LESS THAN 500 HOURS PER YEAR, ON A 12-MONTH ROLLING TOTAL BASIS.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500.0 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 7: Trivial Sources - Proof of Eligibility**

Effective between the dates of 09/14/2015 and 09/13/2025

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

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**Item 7.1:**

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 8: Required Emissions Tests**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 202-1.1**

**Item 8.1:**

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 9: Facility Permissible Emissions**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 9.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

per year	CAS No: 000630-08-0 (From Mod 1)	PTE: 190,000 pounds
	Name: CARBON MONOXIDE	
per year	CAS No: 0NY100-00-0 (From Mod 1)	PTE: 46,000 pounds
	Name: TOTAL HAP	
per year	CAS No: 0NY210-00-0 (From Mod 1)	PTE: 190,000 pounds
	Name: OXIDES OF NITROGEN	
per year	CAS No: 0NY998-00-0 (From Mod 1)	PTE: 90,000 pounds
	Name: VOC	

**Condition 10: Capping Monitoring Condition**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

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**Item 10.1:**

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

6 NYCRR 201-6.1

**Item 10.2:**

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

**Item 10.3:**

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

**Item 10.4:**

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

**Item 10.5:**

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

**Item 10.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 10.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

1) Emissions of carbon monoxide (CO) are limited to 95 tons per 12-month rolling period. By accepting this limitation, as well as accepting conditions limiting total HAPs, NO<sub>x</sub> and VOCs, the facility will stay below the applicability requirements of Title V permitting, 6NYCRR Part 201-6.1.

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2) Monthly, the permittee shall calculate a rolling 12-month CO emission total (E total) using following equations. The emission factors are from EPA's AP-42, Compilation of Air Pollutant Emission Factors.

$$E \text{ total (CO)} = E \text{ boilers} + E \text{ flares} + E \text{ generators} + E \text{ furnaces} + E \text{ heaters}$$

Where:

$$E \text{ boilers} = [(\text{million standard cubic feet (MMscf) natural gas per month in sources } 00023 + 00024 + 00025 + 00026 + 00026 + 00027) \times 84 \text{ lb CO/MMscf}] \times (1 \text{ ton}/2000 \text{ lbs})$$

Where emission source (ES) 00023 is a 16 mmBtu/hr Superior Boiler, ES's 00024 & 00025 are 83.852 mmBtu/hr Babcock & Wilcox boilers, ES 00026 is a 185.05 mmBtu/hr Babcock & Wilcox boiler and ES 00027 is a 201.88 mmBtu/hr Babcock & Wilcox boiler.

$$E \text{ flares} = [(\text{MMscf natural gas per month} \times 1050 \text{ MMBtu/MMscf} \times 0.37 \text{ lbs CO/MMBtu}) \times (1 \text{ ton}/2000 \text{ lbs})]$$

Where there are two flares, ES 0044A is the flare for the gas mixing drum and ES 0044B is the Peabody flare for compressor test loop.

$$E \text{ generators} = (\text{MMscf natural gas per month} \times 1050 \text{ MMBtu/MMscf} \times 0.317 \text{ lbs CO/MMBtu}) \times (1 \text{ ton}/2000 \text{ lbs})$$

Where there are two Generac natural gas emergency generators.

$$E \text{ furnaces} = \text{MMscf natural gas per month} \times 84 \text{ lb CO/MMscf} \times (1 \text{ ton}/2000 \text{ lbs})$$

$$E \text{ heaters} = \text{MMscf natural gas per month in space heaters} \times 40 \text{ lb CO/MMscf} \times (1 \text{ ton}/2000 \text{ lbs})$$

Where there are 34 small unit space heaters rated between 75,000 and 400,000 Btu/hour and 14 large unit heaters rated between 825,000 and 6,875,000 Btu/hour. If it is assumed that they all operate 24 hours a day, 365 days a year the CO potential to emit is 11.46 tons per year. This equates to 0.96 tons per month.

3.) The calculated emission records, purchase orders and/or invoices of fuel purchases and monthly fuel consumption records shall be kept on site. The owner or operator must maintain all required records on-site for a period of five years and make them available to Department

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representatives upon request.

4.) An exceedance of the 95 ton limit within any 12-month period shall be reported to the department within six days.

5.) An annual compliance certification shall be submitted annually which certifies compliance with the emission cap and reports the 12-month rolling emission totals for each month of the reporting period. The facility shall use department published reporting forms for annual emission cap certification that can be found on the department's web site, [www.dec.state.ny.us](http://www.dec.state.ny.us).

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 95 tons

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 11: Capping Monitoring Condition**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-7**

**Item 11.1:**

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

6 NYCRR 201-6.1

**Item 11.2:**

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

**Item 11.3:**

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

**Item 11.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This

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certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 11.5:**

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

**Item 11.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0    VOC

**Item 11.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

- 1) By accepting a cap on Volatile Organic Compound (VOC), emissions are limited to 45 tons per 12-month rolling period. By accepting this limitation, as well as accepting conditions limiting total HAPs, NO<sub>x</sub> and CO, the facility will remain below Title V permitting requirements, 6NYCRR Part 201-6.1.
- 2) Each material used at the facility that contains any VOCs shall be identified along with the VOC content of the material and recorded. The VOC emissions shall be calculated by multiplying the quantity of material consumed by the quantity of VOCs it contains, for all materials consumed. Each month the Permittee must compute a rolling 12 month total for VOCs using the latest monthly records, meaning that the latest monthly emissions shall be added to the previous 11 months.
- 3.) The calculated emission records, purchase orders and/or invoices, and consumption records shall be kept on site. The owner or operator must maintain all required records on-site for a period of five years and make them available to Department representatives upon request.
- 4.) An exceedance of the 45 ton limit within any 12-month period shall be reported to the department within six days.
- 5.) A compliance certification shall be submitted annually which certifies compliance with this emission cap and

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reports the 12-month rolling emission totals for each month of the reporting period. The facility shall use department published reporting forms for annual emission cap certification that can be found on the department's web site, [www.dec.state.ny.us](http://www.dec.state.ny.us).

Parameter Monitored: VOC  
Upper Permit Limit: 45 tons  
Monitoring Frequency: MONTHLY  
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2016.  
Subsequent reports are due every 12 calendar month(s).

**Condition 12: Capping Monitoring Condition**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-7**

**Item 12.1:**

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

6 NYCRR 201-6.1  
6 NYCRR 227-2.1

**Item 12.2:**

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

**Item 12.3:**

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

**Item 12.4:**

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

**Item 12.5:**

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



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**Item 12.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 12.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

1) Emissions of nitrogen oxides (NO<sub>x</sub>) are limited to 95 tons per 12-month rolling period. By accepting this limitation, as well as accepting conditions limiting total HAPs, VOCs and CO, the facility will stay below the applicability requirements of both Title V permitting, 6NYCRR Part 201-6.1 and the combustion unit NO<sub>x</sub> Reasonably Available Control Technology (RACT) program, 6NYCRR Part 227-2.

2) Monthly, the permittee shall calculate a rolling 12-month NO<sub>x</sub> emission total (E total) using the following equations. The emission factors are from EPA’s AP-42, Compilation of Air Pollutant Emission Factors.

$E \text{ total (NO}_x\text{)} = E \text{ boilers} + E \text{ flares} + E \text{ generators} + E \text{ furnaces} + E \text{ heaters}$

Where:

$E \text{ boilers} = [(\text{million standard cubic feet (MMscf) natural gas per month in source 00023} \times 32 \text{ lb NO}_x\text{/MMscf}) + (\text{MMscf natural gas per month in sources 00024} + \text{00025} \times 100 \text{ lb NO}_x\text{/MMscf}) + (\text{MMscf natural gas per month in source 00026} \times 280 \text{ lb NO}_x\text{/MMscf}) + (\text{MMscf natural gas per month in source 00027} \times 190 \text{ lb NO}_x\text{/MMscf})] \times (1 \text{ ton}/2000 \text{ lbs})$

Where emission sources (ES) 00023 is a 16 mmBtu/hr Superior Boiler, ES's 00024 & 00025 are 83.852 mmBtu/hr Babcock & Wilcox boilers, ES 00026 is a 185.05 mmBtu/hr Babcock & Wilcox boiler and ES 00027 is a 201.88 mmBtu/hr Babcock & Wilcox boiler. These boilers only fire natural gas.

$E \text{ flares} = [(\text{MMscf natural gas per month} \times 1050 \text{ MMBtu/MMscf} \times 0.068 \text{ lbs NO}_x\text{/MMBtu}) \times (1 \text{ ton}/2000 \text{ lbs})]$

Where there are two flares, ES 0044A is the flare for

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the gas mixing drum and ES 0044B is the Peabody flare for compressor test loop.

E generators = (MMscf natural gas per month x 1050 MMBtu/MMscf x 4.08 lbs NOx/MMBtu) x (1 ton/2000 lbs)

Where there are two Generac natural gas emergency generators.

E furnaces = MMscf natural gas per month x 100 lb NOx/MMscf x (1 ton/2000 lbs)

E heaters = MMscf natural gas per month in space heaters x 94 lb NOx/MMscf x (1 ton/2000 lbs)

Where there are 34 small unit space heaters rated between 75,000 and 400,000 Btu/hour and 14 large unit heaters rated between 825,000 and 6,875,000 Btu/hour. If it is assumed that they all operate 24 hours a day, 365 days a year the NOx potential to emit is 26.17 tons per year. This equates to 2.18 tons per month.

3.) The calculated emission records, purchase orders and/or invoices of fuel purchases and monthly fuel consumption records shall be kept on site. The owner or operator must maintain all required records on-site for a period of five years and make them available to Department representatives upon request.

4.) An exceedance of the 95 ton limit within any 12-month period shall be reported to the department within six days.

5.) An annual compliance certification shall be submitted annually which certifies compliance with the emission cap and reports the 12-month rolling emission totals for each month of the reporting period. The facility shall use department published reporting forms for annual emission cap certification that can be found on the department's web site, [www.dec.state.ny.us](http://www.dec.state.ny.us).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 95 tons

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 13: Capping Monitoring Condition**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-7**

**Item 13.1:**

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

6 NYCRR 201-6.1

**Item 13.2:**

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

**Item 13.3:**

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

**Item 13.4:**

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

**Item 13.5:**

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

**Item 13.6:**

The Compliance Demonstration activity will be performed for the Facility.

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

**Item 13.7:**

Compliance Demonstration shall include the following monitoring:

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

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- 1) Total hazardous air pollutants (HAP) emissions are limited to 23 tons per 12-month rolling period. By accepting this limitation, as well as accepting conditions limiting NO<sub>x</sub>, VOCs and CO, the facility avoids the requirements of Title V permitting, 6NYCRR Part 201-6.1.
- 2) Each material used at the facility that contains any HAPs shall be identified along with the individual HAP content of the material and recorded. Monthly consumption of each material shall be recorded. Monthly, the total HAP emissions shall be calculated by multiplying the quantity of material consumed by the quantity of HAPs it contains, for all materials consumed. Each month the Permittee must compute a rolling 12 month total for HAPs using the latest monthly records meaning that the latest monthly emissions shall be added to the previous 11 months.
- 3.) The calculated emission records, purchase orders and/or invoices, and consumption records shall be kept on site. The owner or operator must maintain all required records on-site for a period of five years and make them available to Department representatives upon request.
- 4.) An exceedance of the 23 ton limit within any 12-month period shall be reported to the department within six days.
- 5.) An annual compliance certification shall be submitted annually which certifies compliance with this emission cap and reports the 12-month rolling emission totals for each month of the reporting period. The facility shall use department published reporting forms for annual emission cap certification that can be found on the department's web site, [www.dec.state.ny.us](http://www.dec.state.ny.us).

Parameter Monitored: TOTAL HAP

Upper Permit Limit: 23 tons

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 48: Visible Emissions Limited**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR 211.2**

**Item 48.1:**

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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 1-1: Compliance Demonstration**  
**Effective between the dates of 09/03/2020 and 09/13/2025**

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

**Replaces Condition(s) 15**

**Item 1-1.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-1.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Emission Unit: D-ROMD1 Emission Point: 00032

Emission Unit: D-ROMD1 Emission Point: 00047

Babbitting station

Emission Unit: D-ROMP1 Emission Point: 00014

Walk-in shot blast booth

Emission Unit: D-ROMP2 Emission Point: 00048

Aluminum grit blast both

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

2.) The permittee will conduct observations of visible emissions from the emission unit, emission point, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

3.) If visible emissions above those that are normal

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(this may be zero percent opacity for many or all emission sources) and in compliance with section 212-1.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

4.) If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

5.) Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: WEEKLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-2: Compliance Demonstration**  
**Effective between the dates of 09/03/2020 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 212-2.4 (b)**

**Replaces Condition(s) 16**

**Item 1-2.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-2.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

1.) No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of Subdivisions 212-2.5(a) and (b) of this Part. Emissions from any process emission source for which an application was received by the department after July 1, 1973 are restricted as above.

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2.) The compliance testing will be conducted at the discretion of the Department. A test protocol shall be submitted at least 30 days before the scheduled test date and the test report shall be submitted within 30 days of testing.

Parameter Monitored: PARTICULATES  
 Upper Permit Limit: 0.050 grains per dscf  
 Reference Test Method: EPA Method 5  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: 1-HOUR AVERAGE  
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-3: Applicability**  
 Effective between the dates of 09/03/2020 and 09/13/2025

**Applicable Federal Requirement:6 NYCRR 226-1.1**

**Item 1-3.1:**  
 This subpart applies to all owners or operators of facilities who operate cold cleaners, open-top vapor degreasers, and all types of conveyORIZED degreasers that carry out solvent cleaning processes.

**Condition 1-4: Compliance Demonstration**  
 Effective between the dates of 09/03/2020 and 09/13/2025

**Applicable Federal Requirement:6 NYCRR 226-1.3**

**Item 1-4.1:**  
 The Compliance Demonstration activity will be performed for the Facility.

**Item 1-4.2:**  
 Compliance Demonstration 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

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cover needs to be open in order or 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) or the vapor pressure of the solvent measured in mm Hg at 20 degrees Celsius (68 degrees Fahrenheit) as appropriate to verify compliance.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-5: Compliance Demonstration**  
**Effective between the dates of 09/03/2020 and 09/13/2025**

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

**Item 1-5.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-5.2:**

Compliance Demonstration 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



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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: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-6: Compliance Demonstration**  
**Effective between the dates of 09/03/2020 and 09/13/2025**

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

**Item 1-6.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-6.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The following Control requirements must be used by an owner or operator conducting solvent cleaning, if the internal volume of the machine is greater than two gallons:

- (1) a cover which can be easily operated and
- (2) an internal drainage facility (under cover), if practical,
- (3) cleaning solution with a maximum VOC content of 25 grams per liter at 20 degrees Celsius must be used.

This condition does not apply to degreasers as specified in subparagraphs 226-1.4(a)(4)(i)-(iii).

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 25 grams per liter

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-7: Compliance Demonstration**  
**Effective between the dates of 09/03/2020 and 09/13/2025**

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

**Item 1-7.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-7.2:**

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Compliance Demonstration 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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-8: Applicability, schedule, and exceptions**  
**Effective between the dates of 09/03/2020 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 226-2.1**

**Item 1-8.1:**

This Subpart applies to the owner or operator of a facility which has actual emissions of three (3) tons or more of volatile organic compounds (VOCs) from industrial cleaning solvents, on a twelve-month rolling total basis. This Subpart specifically applies to the cleaning of foreign materials from surfaces of unit operations such as large and small manufactured components, parts, equipment, floors, tanks, and vessels. Emissions from all methods of cleaning, including by hand, will be considered toward the applicability criteria.

The owner or operator of a facility with an initial start-up after the effective date of this Subpart must be in compliance with its requirements upon start-up. The owner or operator of an existing facility must be in compliance with this Subpart within one year of the effective date of this Subpart or within one year of reaching the applicability criteria of emitting three (3) tons or more of VOC's from industrial cleaning solvents on a twelve (12) month rolling total basis.

Refer to 6 NYCRR 226-2 for the listing of all of the exceptions to this Subpart.

**Condition 17: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (e) (2)**

**Item 17.1:**

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

Emission Unit: D-ROPB1

**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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**Monitoring Description:**

A facility containing a coating line (other than a class A coating line) may use up to 55 gallons of coatings (facility wide) on a 12-month rolling total basis which does not comply with the VOC content limits set forth in section 228-1.4 ; provided such use is recorded on an as used basis and maintained at the facility for a period of five years.

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 1/30/2016.

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

**Condition 18: Compliance Demonstration**

**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 228-1.4 (b) (4) (ii)**

**Item 18.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: D-ROPB1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 18.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A facility operating a Miscellaneous Metal Parts Coatings coating line may not use coatings with VOC contents, as applied, which exceed the appropriate limits specified in Table B4 of 6 NYCRR Subpart 228-1.4(b)(4). The units in Table B4 are in terms of pounds of VOC per gallon of coating (minus water and excluded compounds) at application. Sampling and testing of any coating to confirm VOC content compliance must be performed in a manner directed by and at the request of the Department.

For miscellaneous metal parts coating the following types of coatings and coating operations are exempt from the VOC content limits of table B4:

(a) stencil coating;

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- (b) safety-indicating coatings;
- (c) solid-film lubricants;
- (d) electric-insulating and thermal-conducting coatings;
- (e) magnetic data storage disk coatings; and
- (f) plastic extruded into metal parts to form a coating.

Parameter Monitored: VOC CONTENT

Lower Permit Limit: 0 pounds per gallon

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 1/30/2016.

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

**Condition 19: Applicability of Subpart A General Provisions**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart A**

**Item 19.1:**

This Condition applies to:

Emission Unit: DR00B2      Emission Point: 00029

**Item 19.2:**

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 20: Recordkeeping requirements.**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A**

**Item 20.1:**

This Condition applies to:

Emission Unit: DR00B2      Emission Point: 00029

**Item 20.2:**

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or

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monitoring device is inoperative.

**Condition 21: Applicability**  
Effective between the dates of 09/14/2015 and 09/13/2025

**Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ**

**Item 21.1:**

This Condition applies to:

Emission Unit: OEMGEN

**Item 21.2:**

Facilities that have stationary spark ignition internal combustion engines must comply with applicable portions of 40 CFR 60 subpart JJJJ.

**Condition 22: Compliance and Enforcement**  
Effective between the dates of 09/14/2015 and 09/13/2025

**Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ**

**Item 22.1:**

This Condition applies to:

Emission Unit: OEMGEN

**Item 22.2:**

The Department has not accepted delegation of 40 CFR Part 60 Subpart JJJJ. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 60 Subpart JJJJ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

**Condition 23: Subpart A provisions that apply to facilities subject to Subpart JJJJ**  
Effective between the dates of 09/14/2015 and 09/13/2025

**Applicable Federal Requirement:40CFR 60.4246, NSPS Subpart JJJJ**

**Item 23.1:**

This Condition applies to:

Emission Unit: OEMGEN

**Item 23.2:**

The following provisions of 40 CFR 60 Subpart A apply to this facility: 60.1 through 60.12,

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60.14 through 60.17 and 60.19.

**Condition 24: Applicability**  
Effective between the dates of 09/14/2015 and 09/13/2025

**Applicable Federal Requirement:40CFR 63, Subpart ZZZZ**

**Item 24.1:**  
This Condition applies to:

Emission Unit: OEMGEN

**Item 24.2:**  
Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

**Condition 25: Compliance and Enforcement**  
Effective between the dates of 09/14/2015 and 09/13/2025

**Applicable Federal Requirement:40CFR 63, Subpart ZZZZ**

**Item 25.1:**  
This Condition applies to:

Emission Unit: OEMGEN

**Item 25.2:**  
The Department has not accepted delegation of 40 CFR Part 63 Subpart ZZZZ. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart ZZZZ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

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

**Condition 26: Compliance Demonstration**  
Effective between the dates of 09/14/2015 and 09/13/2025

**Applicable Federal Requirement:40CFR 60.4233(e), NSPS Subpart JJJJ**

**Item 26.1:**  
The Compliance Demonstration activity will be performed for:

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Emission Unit: 0-EMGEN

**Item 26.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For stationary spark ignited internal combustion engines (SI ICE) with a maximum engine power greater than or equal to 100 HP (75 KW) and less than 500 HP (373 KW) manufactured prior to January 1, 2011, manufacturers may choose to certify these engines to the certification emission standards for new nonroad SI engines in 40 CFR part 1048 applicable to engines that are not severe duty engines.

Both emergency electric generators meet the certification emission standards for new nonroad SI engines in 40 CFR part 1048, as stated on the Emissions Control Information label on the engines.

No monitoring or reporting is required by this permit condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 27: Length of time a facility is subject to Subpart JJJJ  
Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 40CFR 60.4234, NSPS Subpart JJJJ**

**Item 27.1:**

This Condition applies to:

Emission Unit: 0EMGEN

**Item 27.1:**

This Condition applies to Emission Unit: 0-EMGEN

**Item 27.2.3:** Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine.

**Condition 28: Compliance Demonstration  
Effective between the dates of 09/14/2015 and 09/13/2025**

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**Applicable Federal Requirement: 40CFR 60.4243(b)(1), NSPS Subpart JJJJ**

**Item 28.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-EMGEN

**Item 28.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- 1.) The owner or operator of a stationary spark ignition (SI) internal combustion engine that must comply with the emission standards specified in §60.4233(d) or (e), and must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of §60.4243.
- 2.) 60.4243(b)(1) - This owner or operator is complying with the emission standards specified in §60.4233(e) by using an engine certified according to procedures specified in subpart JJJJ, for the same model year and demonstrating compliance according to the following method specified in paragraph (a) of this section, 60.4243.
- 3.) 60.4243(a)(1) - The owner or operator will operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions and keep records of conducted maintenance to demonstrate compliance. Since you are the owner or operator no compliance performance testing is required.  
 The owner or operator must meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply. If engine settings are adjusted according to and consistent with the manufacturer's instructions, the stationary SI internal combustion engine will not be considered out of compliance. 40 CFR Part 1068 is titled "General Compliance Provisions for Highway, Stationary, and Nonroad Programs" and is related to engines.
- 4.) The following documents must be kept on site and made available for inspection upon request or submission:
  - a.) engine certifications,
  - b.) manufacturer's emission-related written operation and maintenance instructions, and
  - c.) records of maintenance conducted on the engines.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



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DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 29: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:40CFR 60.4245(a), NSPS Subpart JJJJ**

**Item 29.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-EMGEN

**Item 29.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of stationary SI ICE must keep records of the following information:

- 1) All notifications submitted to comply with this subpart and all documentation supporting any notification.
- 2) Maintenance conducted on the engine.
- 3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.
- 4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 30: Stationary RICE subject to regulations under 40 CFR Part 60**

**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:40CFR 63.6590(c), Subpart ZZZZ**

**Item 30.1:**

This Condition applies to:

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Facility DEC ID: 9041200012

Emission Unit: 0EMGEN

**Item 30.1:**

This Condition applies to Emission Unit: 0-EMGEN

**Item 30.2.3:**

An affected source that meets any of the criteria listed below must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- new or reconstructed stationary RICE located at an area source,
- new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake horsepower located at a major source of HAP emissions,
- new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis,
- new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions.

**Condition 31: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 227-1.3 (a)**

**Item 31.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-R00B2

**Item 31.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No combustion installation shall emit greater than 20 percent opacity except for one six-minute period per hour, not to exceed 27 percent, based upon the six-minute average in reference test Method 9 in Appendix A of 40 CFR 60. Opacity monitoring and reporting shall be conducted at the request of the department.

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Parameter Monitored: OPACITY  
 Upper Permit Limit: 20 percent  
 Reference Test Method: EPA Method 9  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 32: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:40CFR 60.48c(g)(2), NSPS Subpart Dc**

**Item 32.1:**  
 The Compliance Demonstration activity will be performed for:

Emission Unit: D-R00B2                      Emission Point: 00029

**Item 32.2:**  
 Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
 Monitoring Description:

The permittee shall record and maintain records of the amount of each fuel combusted in the 16 mmBtu/hr boiler (ES 00023, EP 00029) during each calendar month. The fuel use records must be kept for at least two years. The fuel use records must be made available to the department when requested during normal business hours.

Monitoring Frequency: MONTHLY  
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 33: Capping Monitoring Condition**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 33.1:**  
 Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 60.44b (j)

**Item 33.2:**  
 Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 33.3:**  
 The owner or operator of the permitted facility must maintain all required records on-site for a

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period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 33.4:**

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

**Item 33.5:**

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

**Item 33.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-R00B2	Emission Point: 00040
Process: 003	Emission Source: 00027

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

**Item 33.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

- 1.) The permittee has accepted a federally enforceable permit condition limiting the operation of its 201 million Btu per hour boiler (emission unit D-R00B2, emission point 40, emission source 00027) so that its annual capacity factor never exceeds 10 percent. By accepting this federally enforceable permit condition, as allowed by 40CFR 60.44b(j)(3), the boiler becomes exempt (per 40CFR60.44b(k)) from the nitrogen oxide emission requirements found in 40CFR 60.44b, the New Source Performance Standards for Industrial, Commercial and Industrial Steam Generating Units, subpart Db.
  
- 2.) The annual capacity factor of a steam generating unit is the ratio of the actual heat input to the unit as determined on a 12-month rolling total basis and the potential heat input to the unit had it been operated 8,760 hours during a year at maximum steady state design heat input capacity.

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3.) Boiler fuel use shall be monitored and recorded monthly so that the annual capacity factor is calculated for the previous 12 months. Records of monthly annual capacity factor calculations shall be kept on site for at least five years, shall be readily available for department review upon request, and submitted annually.

4.) An exceedance of the annual 10 percent limit as measured during any 12- month period shall be reported to the department within 6 days of the exceedance.

5.) Background, to be exempt from the NOx requirements of 40CFR 60.44b, 40CFR 60.44b(j)(3) requires “a federally enforceable requirement limiting operation of the affected facility to the firing of natural gas, distillate oil, and/or residual oil with a nitrogen content of 0.30 weight percent or less and limiting operation of the affected facility to a combined annual capacity factor of 10 percent or less for natural gas, distillate oil, and residual oil with a nitrogen content of 0.30 weight percent or less.”

Mr. Kenneth Eng of USEPA explained in his April 9, 2001 letter to Mr. Patrick Kellam of Dresser-Rand, that the 0.30 weight percent nitrogen content requirement in 60.44b(j) refers to only residual oil. Since the boiler does not burn any oil, there is no need to include a nitrogen content requirement in the permit as required by 60.44b(j)(3). If the permittee ever decides to burn oil, then a permit modification will first be required.

Parameter Monitored: ANNUAL CAPACITY FACTOR

Upper Permit Limit: 10 percent

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 34: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR 212-1.5 (g)**

**Item 34.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-R00F1

**Item 34.2:**

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Facility DEC ID: 9041200012

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Onsite Dresser-Rand has two flares, one flare (emission point 00041) is used to control emissions from the gas mixing process. The second flare (emission point 00042) serves as a safety relief valve for the compressor test system loop, where venting may be necessary for safety purposes or due to an emergency. The flares are air assisted and used to dispose of the gases when testing is completed.

The two flares are under emission unit D-R00F1. The flares oxidize primarily methane and propane, which each have an environmental rating of “C” from 6NYCRR 212-1.3(e). The flares shall meet the Degree of Air Cleaning Required for “C” rated emissions in 6NYCRR 212-2.3(b). If the flares are designed and operated properly they are expected to meet the control requirements in 212-2.3(b). Using the flare requirements in 40CFR 60.18, General Control Device and Work Practice Requirements, as guidance, the flares shall be monitored and operated in accordance with the items described below:

1. Flares shall be operated at all times when emissions may be vented to them. A flame shall be present at all times the flare is in operation.
2. The presence of a flare pilot flame shall be monitored continuously using a thermocouple or any other equivalent device used to detect the presence of a flame.
3. Incidents of malfunctions or failure to detect pilot flame shall be recorded along with the corrective actions taken.
4. Records shall be kept on site for a period of 5 years and shall be made available to the Department upon request.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 35: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR 212-1.5 (g)**

**Item 35.1:**

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The Compliance Demonstration activity will be performed for:

Emission Unit: D-R00F1

**Item 35.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Leak Detection 212-1.5(g)

1. The gas mixing equipment and piping system, the test loop and associated equipment shall be inspected for leaks according to a Leak Detection Plan. A copy of the Plan shall be submitted within 60 days of permit issuance for approval.
2. The inspection shall be conducted each time the gas mixing or test loop is used since they are used infrequently (possibly years between uses).
3. The results of the inspection along with any corrective actions shall be recorded in a log and kept on site for minimum of 5 years.
4. A summary of the inspections and corrective actions shall be available for review by department staff and submitted upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 36: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

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

**Item 36.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-R00F1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 36.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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6 NYCRR 212-1.6, General Process Emission Sources, regulates visible emissions (opacity). Flares are not typical stationary emission points, so using the opacity standards for flares in 40CFR 60.18, General Control Device and Work Practice Requirements as guidance:

1. The flares shall be operated with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. Observation shall be made in accordance with EPA Method 22 for compliance determination.
2. Flare operators/personnel shall monitor and keep records of visible emission from flares when flares are in use.
3. These records should contain the opacity observations and any corrective actions taken.
4. Records shall be kept on site for a minimum of 5 years and made available to the department upon request.

Parameter Monitored: OPACITY

Upper Permit Limit: 5 minutes

Reference Test Method: EPA Method 22

Monitoring Frequency: WHEN THE SOURCE IS OPERATING

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 37: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR 228-1.3 (a)**

**Item 37.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-ROPB1

**Item 37.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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. Compliance will be determined by conducting a Method 9 opacity evaluation at a minimum frequency of once per year, while



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the source is in normal operating mode.

In addition to the above opacity evaluation, the permittee will conduct daily observations of visible emissions from the emission unit, process, etc. to which this condition applies. The observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

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 emission point
- weather condition
- 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. If the operator observes any visible emissions (other than steam - see below) the permittee will immediately investigate any such occurrence and take corrective action, as necessary, to reduce or eliminate the emissions. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

**\*\* 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.

Parameter Monitored: OPACITY

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Upper Permit Limit: 20 percent  
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 38: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR 228-1.3 (b)**

**Item 38.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-ROPB1

Regulated Contaminant(s):  
 CAS No: 0NY998-00-0 VOC

**Item 38.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
 Monitoring Description:

(1) Except as provided for in the paragraph below (2), the owner or operator of any emission source subject to this Subpart must maintain and, upon request, provide the department with a certification from the coating supplier/manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility. In addition, purchase, usage and/or production records of the coating material, including solvents, must be maintained in a format acceptable to the department and, upon request, these records must be submitted to the department within 90 days of receiving the request. Any additional information required to determine compliance with this Part must be provided to the department in a format acceptable to the department. All records required by this paragraph must be maintained at the facility for a period of five years.

(2) Owners and operators of emission sources that are using coatings not subject to specific requirements of this Subpart as set forth in paragraph 228-1.3(e)(2), must maintain records on an as used basis. The records must include the relevant regulatory citation of each exemption and quantity of coating used. If the exemption criteria are based on VOC usage, the records must contain calculations and supplier/manufacturer material data sheets for verification of VOC usage. All records required

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by this paragraph must be maintained at the facility for a period of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 39: Surface Coating- Prohibitions**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (c)**

**Item 39.1:**

This Condition applies to Emission Unit: D-ROPB1

**Item 39.2:**

(1) No person shall sell, supply, offer for sale, solicit, use, specify, or require for use, the application of a coating on a part or product at a facility with a coating line described in Subpart 228-1.1(a) if such sale, specification, or use is prohibited by any of the provisions of this Subpart. The prohibition shall apply to all written or oral contracts under the terms of which any coating is to be applied to any part or product at an affected facility. This prohibition shall not apply to the following:

(i) coatings utilized at surface coating lines where control equipment has been installed to meet the maximum permitted VOC content limitations specified in the tables of Subpart 228-1.4;

(ii) coatings utilized at surface coating lines where a coating system is used which meets the requirements specified in Subpart 228-1.5(d); and

(iii) coatings utilized at surface coating lines that have been granted variances pursuant to Subpart 228-1.5(e).

(2) Any person selling a coating for use in a coating line subject to Subpart 228-1 must, upon request, provide the user with certification of the VOC content of the coating supplied.

**Condition 40: Surface Coating - Handling, storage and disposal**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (d)**

**Item 40.1:**

This Condition applies to Emission Unit: D-ROPB1

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**Item 40.2:**

Within the work area(s) associated with a coating line, the owner or operator of a facility must:

- (1) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;
- (2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;
- (3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;
- (4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;
- (5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;
- (6) minimize spills during the handling and transfer of coatings and VOC solvents; and
- (7) clean hand held spray guns by one of the following:
  - (i) an enclosed spray gun cleaning system that is kept closed when not in use;
  - (ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;
  - (iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or
  - (iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

**Condition 41: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR 228-1.4 (b)**

**Item 41.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-ROPB1

Regulated Contaminant(s):  
 CAS No: 0NY998-00-0 VOC

**Item 41.2:**

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Facility DEC ID: 9041200012

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Miscellaneous Metal Parts Coatings, Air Dried, 3.5 pounds of VOCs per gallon

A facility applying miscellaneous metal parts coatings may not use the coatings with VOC contents, as applied, which exceed 3.5 pounds of VOCs per gallon (minus water and excluded compounds) that are air dried. This VOC limit applies to the following coating categories listed within table B4:

- Camouflage
- Electric-Insulating Varnish
- Etching Filler
- Extreme High-Gloss
- Extreme Performance
- Heat-Resistant
- High Temperature
- Metallic
- Mold Seal
- Pan Backing
- Pretreatment Coatings
- Silicone Release
- Vacuum-Metalizing
- Drum Coating New, Exterior
- Drum Coating New, Interior

The owner or operator of any emission source subject to Subpart 228-1 must maintain and, upon request, provide the department with a certification from the coating supplier/manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.

The owner and/or operator of any emission source subject to the VOC emission control requirements of Subpart 228-1 must, upon request by the department, measure the volatile content, water content, density, volume of solids, and weight of solids in order to determine the actual VOC content of an as applied coating during a compliance demonstration.

For other coatings not specified here, please refer to 6 NYCRR Subpart 228-1 for more information.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: PAINT

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 3.5 pounds per gallon

Permit ID: 9-0412-00012/00055

Facility DEC ID: 9041200012

Reference Test Method: 40CFR60 App A Method 24 or 40CFR63 App Method 311

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 42: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable Federal Requirement: 6 NYCRR 228-1.4 (b)**

**Item 42.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-ROPB1

Regulated Contaminant(s):  
 CAS No: 0NY998-00-0 VOC

**Item 42.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Miscellaneous Metal Parts Coatings, Air Dried, 2.8 pounds of VOCs per gallon

A facility applying miscellaneous metal parts coatings may not use the coatings with VOC contents, as applied, which exceed 2.8 pounds of VOCs per gallon (minus water and excluded compounds) that are air dried. This VOC limit applies to the following coating categories listed within table B4:

- General One-Component
- General Multi-Component
- Military Specification
- Drum Coating New, Exterior

The owner or operator of any emission source subject to Subpart 228-1 must maintain and, upon request, provide the department with a certification from the coating supplier/manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.

The owner and/or operator of any emission source subject to the VOC emission control requirements of Subpart 228-1 must, upon request by the department, measure the volatile content, water content, density, volume of solids, and weight of solids in order to determine the actual VOC

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content of an as applied coating during a compliance demonstration.

For other coatings not specified here, please refer to 6 NYCRR Subpart 228-1 for more information.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: PAINT

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 2.8 pounds per gallon

Reference Test Method: 40CFR60 App A Method 24 or 40CFR63 App Method 311

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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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 by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated 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 permitted facility causing the emergency was at the time being properly operated and maintained;

(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize 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 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 upset provision contained in any applicable requirement.

**Item B: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records.



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Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item C: **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 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 only enforceable.

**Condition 43: Contaminant List**

Effective between the dates of 09/14/2015 and 09/13/2025

**Applicable State Requirement: ECL 19-0301**

**Item 43.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this permit (emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0  
Name: CARBON MONOXIDE

CAS No: 0NY075-00-0  
Name: PARTICULATES

CAS No: 0NY100-00-0  
Name: TOTAL HAP

CAS No: 0NY210-00-0

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Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

**Condition 44: Malfunctions and start-up/shutdown activities**  
**Effective between the dates of 09/14/2015 and 09/13/2025****Applicable State Requirement:6 NYCRR 201-1.4****Item 44.1:**

(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 malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, 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 stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and 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. 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, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground 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 45: Emission Unit Definition**  
**Effective between the dates of 09/14/2015 and 09/13/2025****Applicable State Requirement:6 NYCRR Subpart 201-5**

Permit ID: 9-0412-00012/00055

Facility DEC ID: 9041200012

**Item 45.1(From Mod 1):**

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

Emission Unit: D-ROPB1

Emission Unit Description:

This emission unit includes the facility's main paint and spray processes. These processes include two large spray booths in plant 2 and two spray booths in plant 1. The booths are vented through separate exhaust stacks and are equipped with either mat or panel filters for particulate matter control. The emission points for the two large spray booths in plant 2 are 10A, 10B, 12A, and 12B. The emission points for the spray booths in plant 1 are 00013 and 00015.

Building(s): PLANT 1  
PLANT 2

**Item 45.2(From Mod 0):**

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

Emission Unit: 0-EMGEN

Emission Unit Description:

This emission unit consists of two natural gas-fired emergency electric generators. The emergency generators are exempt from permitting, but are included in the permit because they are subject to EPA's regulatory requirements for Reciprocating Internal Combustion Engines.

Building(s): PLANT 1  
PLANT 2

**Item 45.3(From Mod 0):**

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

Emission Unit: D-R00B2

Emission Unit Description:

This emission unit consists of five natural gas-fired steam generating boilers with heat input ratings ranging from 16 MMBtu/hr to 202 MMBtu/hr. Each boiler is equipped with an individual stack, except for two of the boilers (emission sources 00024 and 00025) that exhaust through a common stack (emission point 00038). The 202 MMBtu/hr boiler (emission source 00027) is subject to 40 CFR 60 Subpart Db requirements, but the facility has adopted an enforceable permit condition limiting the annual capacity factor for this boiler to 10% in order to avoid Subpart Db NOx requirements.

Building(s): PLANT 2

**Item 45.4(From Mod 0):**

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

Emission Unit: D-R00F1

Permit ID: 9-0412-00012/00055

Facility DEC ID: 9041200012

**Emission Unit Description:**

This emission unit consists of two flares that are used to control hydrocarbon emissions from compressor testing operations. These hydrocarbons consist primarily of methane and propane. One flare is used to control emissions from the gas mixing process (EP 00041). The second flare serves as a safety relief valve for the compressor test system loop, where venting may be necessary for safety purposes or due to an emergency (EP 00042). Each flare is a separate emission point. No supplemental fuel is required to sustain the flares, although natural gas is used to maintain the pilot lights. The flares are also assisted with air injection.

Building(s): PLANT 2

**Item 45.5(From Mod 0):**

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

Emission Unit: D-ROMD1

**Emission Unit Description:**

This emission unit includes a babbitting process used to deposit metal coatings on metal surfaces. Molten babbitt is placed on metallic shell surfaces to produce lined, anti-friction bearings.

Building(s): PLANT 1

**Item 45.6(From Mod 0):**

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

Emission Unit: D-ROMP1

**Emission Unit Description:**

This emission unit consists of equipment utilized to clean castings, including a walk-in cabinet style shot blast system that uses abrasive material and high air pressure. The shot blast cabinet includes a panel filter and is vented to EP 00014.

Building(s): PLANT 1

**Item 45.7(From Mod 0):**

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

Emission Unit: D-ROMP2

**Emission Unit Description:**

This emission unit consists of equipment used to clean castings, including a grit blasting process. The grit blast process utilizes aluminum oxide grit shot under high pressure through a small diameter nozzle at high velocity. Particulate matter emissions are controlled using a dust collector prior to discharge to atmosphere.

Building(s): PLANT 2

Permit ID: 9-0412-00012/00055

Facility DEC ID: 9041200012

**Condition 46: Renewal deadlines for state facility permits**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable State Requirement:6 NYCRR 201-5.2 (c)**

**Item 46.1:**

The owner or operator of a facility having an issued state facility 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.

**Condition 1-9: CLCPA Applicability**  
**Effective between the dates of 09/03/2020 and 09/13/2025**

**Applicable State Requirement:6 NYCRR 201-5.3 (c)**

**Item 1-9.1:**

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 47: Compliance Demonstration**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable State Requirement:6 NYCRR 201-5.3 (c)**

**Item 47.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 47.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources  
NYS Dept. of Environmental Conservation  
Region 9  
270 Michigan Ave.  
Buffalo, NY 14203

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 14: Air pollution prohibited**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

Permit ID: 9-0412-00012/00055

Facility DEC ID: 9041200012

**Applicable State Requirement:6 NYCRR 211.1**

**Item 14.1:**

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.

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

**Condition 49: Emission Point Definition By Emission Unit  
Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 49.1(From Mod 1):**

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

Emission Unit: D-ROPB1

Emission Point: 00015  
 Height (ft.): 46 Diameter (in.): 48  
 NYTMN (km.): 4665.164 NYTME (km.): 215.489 Building: PLANT 1

**Item 49.2(From Mod 0):**

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

Emission Unit: 0-EMGEN

Emission Point: 00050  
 Height (ft.): 5 Diameter (in.): 2  
 NYTMN (km.): 4665.312 NYTME (km.): 215.129 Building: PLANT 1

Emission Point: 00051  
 Height (ft.): 5 Diameter (in.): 4  
 NYTMN (km.): 4665.312 NYTME (km.): 215.129 Building: PLANT 2

**Item 49.3(From Mod 0):**

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

Emission Unit: D-R00B2

Emission Point: 00029  
 Height (ft.): 54 Diameter (in.): 24  
 NYTMN (km.): 4665.42 NYTME (km.): 215.31 Building: PLANT 2

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Facility DEC ID: 9041200012

Emission Point: 00038  
 Height (ft.): 60 Length (in.): 192 Width (in.): 42  
 NYTMN (km.): 4665.5 NYTME (km.): 215.34 Building: PLANT 2

Emission Point: 00039  
 Height (ft.): 60 Diameter (in.): 90  
 NYTMN (km.): 4665.5 NYTME (km.): 215.36 Building: PLANT 2

Emission Point: 00040  
 Height (ft.): 60 Diameter (in.): 48  
 NYTMN (km.): 4665.5 NYTME (km.): 215.37 Building: PLANT 2

**Item 49.4(From Mod 0):**

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

Emission Unit: D-R00F1

Emission Point: 00041  
 Height (ft.): 120 Diameter (in.): 16  
 NYTMN (km.): 4665.4 NYTME (km.): 215.44 Building: PLANT 2

Emission Point: 00042  
 Height (ft.): 38 Diameter (in.): 12  
 NYTMN (km.): 4665.54 NYTME (km.): 215.35 Building: PLANT 2

**Item 49.5(From Mod 0):**

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

Emission Unit: D-ROMD1

Emission Point: 00032  
 Height (ft.): 28 Diameter (in.): 18  
 NYTMN (km.): 4665.22 NYTME (km.): 215.7 Building: PLANT 1

**Item 49.6(From Mod 0):**

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

Emission Unit: D-ROMP1

Emission Point: 00014  
 Height (ft.): 46 Diameter (in.): 12  
 NYTMN (km.): 4665.17 NYTME (km.): 215.49 Building: PLANT 1

**Item 49.7(From Mod 0):**

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

Emission Unit: D-ROMP2

Emission Point: 00048  
 Height (ft.): 27 Diameter (in.): 9  
 NYTMN (km.): 4665.17 NYTME (km.): 215.49 Building: PLANT 2

Permit ID: 9-0412-00012/00055

Facility DEC ID: 9041200012

**Item 49.8(From Mod 0):**

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

Emission Unit: D-ROPB1

Emission Point: 00013  
 Height (ft.): 54 Diameter (in.): 24  
 NYTMN (km.): 4665.317 NYTME (km.): 215.23 Building: PLANT 1

Emission Point: 0010A  
 Height (ft.): 35 Diameter (in.): 43  
 NYTMN (km.): 4665.5 NYTME (km.): 215.18 Building: PLANT 2

Emission Point: 0010B  
 Height (ft.): 35 Diameter (in.): 43  
 NYTMN (km.): 4665.5 NYTME (km.): 215.19 Building: PLANT 2

Emission Point: 0012A  
 Height (ft.): 10 Diameter (in.): 43  
 NYTMN (km.): 4665.5 NYTME (km.): 215.18 Building: PLANT 2

Emission Point: 0012B  
 Height (ft.): 10 Diameter (in.): 43  
 NYTMN (km.): 4665.5 NYTME (km.): 215.18 Building: PLANT 2

**Condition 50: Process Definition By Emission Unit**  
**Effective between the dates of 09/14/2015 and 09/13/2025**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 50.1(From Mod 1):**

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

Emission Unit: D-ROPB1

Process: 004 Source Classification Code: 4-02-001-01

Process Description:

Process 004 is the spray application of paint in four(4) spray booths. There are two spray booth in plant 1 and two spray booths in plant 2. Each booth is equipped with either mat or panel filters for particulate matter control. There are two emission points per booth in plant 2 (EP 10A, 10B, 12A and 12B) and one emission point per booth in Plant 1 (EP 00013 and EP 00015).

Emission Source/Control: 00029 - Control  
 Control Type: FABRIC FILTER

Emission Source/Control: 00031 - Control  
 Control Type: FABRIC FILTER

Emission Source/Control: 00033 - Control  
 Control Type: FABRIC FILTER



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Emission Source/Control: 00035 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00046 - Control  
Control Type: MAT OR PANEL FILTER

Emission Source/Control: 00047 - Control  
Control Type: MAT OR PANEL FILTER

Emission Source/Control: 00028 - Process

Emission Source/Control: 00030 - Process

Emission Source/Control: 00032 - Process

Emission Source/Control: 00034 - Process

Emission Source/Control: 00045 - Process

Emission Source/Control: 00050 - Process

**Item 50.2(From Mod 0):**

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

Emission Unit: 0-EMGEN

Process: 013

Source Classification Code: 2-02-002-02

Process Description:

This process is combustion of natural gas in either of two emergency generators. The emergency generators are exempt from permitting, but are included in the permit because they are subject to regulatory requirements.

Emission Source/Control: SG150 - Combustion

Design Capacity: 186 brake horsepower

Emission Source/Control: SG200 - Combustion

Design Capacity: 309 brake horsepower

**Item 50.3(From Mod 0):**

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

Emission Unit: D-R00B2

Process: 002

Source Classification Code: 1-02-006-02

Process Description:

This process is combustion of natural gas in three boilers each rated less than 100 MMBtu/hr heat input. Source 00023, rated at 16.8 MMBtu/hr, is operated year round. Sources 00024 and 00025, are rated at 84 MMBtu/hr 92 MMBtu/hr respectively, and are typically operated during the winter months only.

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Emission Source/Control: 00023 - Combustion  
Design Capacity: 16 million Btu per hour

Emission Source/Control: 00024 - Combustion  
Design Capacity: 84 million Btu per hour

Emission Source/Control: 00025 - Combustion  
Design Capacity: 92 million Btu per hour

**Item 50.4(From Mod 0):**

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

Emission Unit: D-R00B2  
Process: 003 Source Classification Code: 1-02-006-01  
Process Description:

This process is combustion of natural gas in two boilers each rated greater than 100 MMBtu/hr heat input. Emission source 00026 and 00027, are rated at 185 MMBtu/hr 202 MMBtu/hr respectively. These boilers are typically operated on an as needed basis.

Emission Source/Control: 00026 - Combustion  
Design Capacity: 185 million Btu per hour

Emission Source/Control: 00027 - Combustion  
Design Capacity: 202 million Btu per hour

**Item 50.5(From Mod 0):**

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

Emission Unit: D-R00F1  
Process: 010 Source Classification Code: 1-02-007-99  
Process Description:

This process is the flaring of propane or other combustible gases that result from venting the gas mixing drum.

Emission Source/Control: 0044A - Control  
Control Type: FLARING

Emission Source/Control: MIXER - Process

**Item 50.6(From Mod 0):**

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

Emission Unit: D-R00F1  
Process: 011 Source Classification Code: 1-02-007-99  
Process Description:

This process is the flaring of propane or other combustible gases that result from venting the gas test loop. The gas test loop is part of the system to test gas compressors.

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Facility DEC ID: 9041200012

Emission Source/Control: 0044B - Control  
Control Type: FLARING

Emission Source/Control: 0LOOP - Process

**Item 50.7(From Mod 0):**

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

Emission Unit: D-ROMD1  
Process: 008                                  Source Classification Code: 3-09-040-30  
Process Description:  
    Process 008 is the deposition of metal coatings on metal surfaces using the babbitting process. Molten babbitt is applied to metallic shell surfaces to produce lined, anti-friction bearings.

Emission Source/Control: 00044 - Process

**Item 50.8(From Mod 0):**

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

Emission Unit: D-ROMP1  
Process: 006                                  Source Classification Code: 3-09-002-07  
Process Description:  
    Process 006 consists of equipment utilized to clean up castings. It now contains a walk in cabinet type of shot blast system which shoots abrasive material under high air pressure to clean up castings before finishing machinery. System exhaust air is vented through particulate control equipment.

Emission Source/Control: 00039 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00038 - Process

**Item 50.9(From Mod 0):**

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

Emission Unit: D-ROMP2  
Process: 007                                  Source Classification Code: 3-09-002-07  
Process Description:  
    Process 007 consists of equipment utilized to clean up castings. It now contains a grit blast process which utilizes aluminum grit oxide which is shot under air pressure through a small diameter nozzle at high velocity to clean up fresh castings. System exhaust air is ventilated through particulate control equipment.

Emission Source/Control: 00041 - Control  
Control Type: FABRIC FILTER

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**Facility DEC ID: 9041200012**

Emission Source/Control: 00040 - Process

**Permit ID: 9-0412-00012/00055**

**Facility DEC ID: 9041200012**