

Facility DEC ID: 3392400074

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-3924-00074/00177
Effective Date: 01/07/2021 Expiration Date: 01/06/2031

Permit Issued To: CHROMALLOY GAS TURBINE LLC
330 BLAISDELL RD
ORANGEBURG, NY 10962

Facility: CHROMALLOY NEW YORK
330 BLAISDELL RD
ORANGEBURG, NY 10962

Contact: STEVE SHIFFMAN
330 BLAISDELL RD
ORANGEBURG, NY 10962
(845) 359-4700

Description:

Chromalloy New York provides repair services for engine aircraft parts. Operations include coating, plating, mixing, drying, cleaning, welding, cutting, grinding, and heat treatment.

There are nine emission units, as identified in the permit. These units include plasma coating equipment, ovens, scrubbers, inspection, mixing hoods, evaporator, laser equipment, gas/pack coating furnaces, and exhaust hoods.

The facility is subject to the requirements of 6NYCRR Part 212. To ascertain compliance with this rule, environmental ratings are assigned to pollutants emitted from the facility as follows. Nickel, chromium, manganese, and vanadium are A-rated, ammonia is C-rated, and all other pollutants are B-rated.

Based on these ratings and individual pollutant emission rates, the following requirements apply, in accordance with Part 212.

- The emissions of chromium, manganese, nickel, and vanadium are restricted to the annual limits specified in Table 2 of Part 212.
- Ammonia, ethanol, hydrogen chloride, hydrogen fluoride, isopropanol, nitric acid, phosphoric acid, and toluene emissions must be below annual and short-term guideline concentrations.
- Total particulates, which are B-rated only, from any emission point are limited to an emission rate of 0.05 grains per cubic foot.

The permit includes conditions that reference 6 NYCRR Part 201-5.3(c). These conditions are for requiring emission control or for restricting process operations to limit emissions from various emission points.

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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: JOHN W PETRONELLA
NYSDEC - REGION 3
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561-1696

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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- 5 4 Permit modifications, suspensions or revocations by the Department

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- 5 5 Submission of application for permit modification or renewal-REGION 3 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 the expiration of permits for Title V and State Facility Permits.

Item 3.3

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

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 3 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 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CHROMALLOY GAS TURBINE LLC
330 BLAISDELL RD
ORANGEBURG, NY 10962

Facility: CHROMALLOY NEW YORK
330 BLAISDELL RD
ORANGEBURG, NY 10962

Authorized Activity By Standard Industrial Classification Code:
7699 - REPAIR SERVICES, NEC

Permit Effective Date: 01/07/2021

Permit Expiration Date: 01/06/2031

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- 18 15 6 NYCRR 200.7: Compliance Demonstration

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- 19 16 6 NYCRR 200.7: Compliance Demonstration

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- 20 17 6 NYCRR 200.7: Compliance Demonstration

EU=U-00003,EP=00048,Proc=ACL,ES=04802

- 20 18 6 NYCRR 200.7: Compliance Demonstration

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- 21 19 6 NYCRR 200.7: Compliance Demonstration

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- 53 47 6 NYCRR 201-5.3 (c): Compliance Demonstration

- EU=U-00004,EP=00101**

- 54 48 6 NYCRR 201-5.3 (c): Compliance Demonstration

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- 55 50 6 NYCRR 201-5.3 (c): Compliance Demonstration

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- 55 51 6 NYCRR 201-5.3 (c): Compliance Demonstration

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 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: Maintenance of Equipment
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 1.1:

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 2: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 2.1:

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

Emission Unit: U-00001	Emission Point: 00053
Emission Unit: U-00001	Emission Point: 00061
Emission Unit: U-00001	Emission Point: 00081
Emission Unit: U-00001	Emission Point: 00083
Emission Unit: U-00001	Emission Point: 00155
Emission Unit: U-00001	Emission Point: 00156
Emission Unit: U-00001	Emission Point: 00168

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Emission Unit: U-00007

Emission Point: 00123

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A reduction in particulate emissions of at least 99 percent must be achieved by the HEPA filters associated with the emission points listed in this condition. To assure this reduction, HEPA filters shall be inspected and replaced as necessary.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 3:

Compliance Demonstration

Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 3.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Point: 00053

Emission Unit: U-00001

Emission Point: 00061

Emission Unit: U-00001

Emission Point: 00155

Emission Unit: U-00001

Emission Point: 00156

Emission Unit: U-00001

Emission Point: 00168

Emission Unit: U-00001

Emission Point: 00169

Emission Unit: U-00004

Emission Point: 00144

Emission Unit: U-00004

Emission Point: 00152

Emission Unit: U-00007

Emission Point: 00091

Emission Unit: U-00007

Emission Point: 00123

Emission Unit: U-00009

Emission Point: 00147

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Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A reduction in particulate emissions of at least 99 percent must be achieved by the dust collectors associated with the emission points listed in this condition. To assure this reduction, dust collector filters shall be inspected and replaced as necessary.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 4: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 4.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Emission Point: 0083B

Emission Unit: U-00001 Emission Point: 0085A

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES
CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE

COMPOUNDS

Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A reduction in particulate emissions of at least 99 percent must be achieved by any oil bath or demister used as emission control on the emission points listed in this condition.

To assure this reduction, the vacuum systems associated with these emission points shall be inspected and maintained in accordance with written plant operating procedures. This includes maintaining oil bath levels and demisters. A copy of the procedures must be kept on site and made available to Department representatives upon

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request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 5: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement: 6 NYCRR 200.7

Item 5.1:

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

Emission Unit: U-00001	Emission Point: 00007
Emission Unit: U-00001	Emission Point: 00030
Emission Unit: U-00001	Emission Point: 00064
Emission Unit: U-00001	Emission Point: 00125

Regulated Contaminant(s):	
CAS No: 007440-02-0	NICKEL METAL AND INSOLUBLE
COMPOUNDS	
CAS No: 0NY075-00-0	PARTICULATES

Item 5.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A reduction in particulate emissions of at least 99 percent must be achieved by the HEPA filters associated with each of the emission points listed in this condition.

Monitoring of differential pressure across the HEPA filters will be used to demonstrate compliance with this emission reduction limit. The differential pressure shall be read and recorded at least weekly. The pressure is limited to a maximum of 4.0 inches of water. If the pressure reaches this maximum, then the HEPA filters must be replaced. A record shall be kept of when the filters are replaced.

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: 4.0 inches of water

Monitoring Frequency: WEEKLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

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SEE MONITORING DESCRIPTION
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 6: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement: 6 NYCRR 200.7

Item 6.1:

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

- | | |
|------------------------|-----------------------|
| Emission Unit: U-00001 | Emission Point: 00007 |
| Emission Unit: U-00001 | Emission Point: 00030 |
| Emission Unit: U-00001 | Emission Point: 00064 |
| Emission Unit: U-00001 | Emission Point: 00125 |

- Regulated Contaminant(s):
 CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE
 COMPOUNDS
 CAS No: 0NY075-00-0 PARTICULATES

Item 6.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A reduction in particulate emissions of at least 99 percent must be achieved by the dust collectors associated with each of the emission points listed in this condition.

Monitoring of differential pressure across each dust collector will be used to demonstrate compliance with this emission reduction limit. The differential pressure shall be read and recorded at least weekly. The pressure is limited to a maximum of 6.0 inches of water. If the pressure reaches this maximum, then the filters in the dust collector must be replaced. A record shall be kept of when filters are replaced.

Parameter Monitored: PRESSURE CHANGE
 Upper Permit Limit: 6.0 inches of water
 Monitoring Frequency: WEEKLY
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
 SEE MONITORING DESCRIPTION
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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Condition 7: Compliance Demonstration
 Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 7.1:

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

Emission Unit: U-00001 Emission Point: 00081

Emission Unit: U-00001 Emission Point: 00083

Regulated Contaminant(s):
 CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE
 COMPOUNDS
 CAS No: 0NY075-00-0 PARTICULATES

Item 7.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A reduction in particulate emissions of at least 99 percent must be achieved by the dust collectors associated with each of the emission points listed in this condition.

Monitoring differential pressure across each dust collector will be used to demonstrate compliance with this emission reduction limit. The differential pressure shall be read and recorded at least weekly. The pressure is limited to a maximum of 6.0 inches of water. If the pressure reaches this maximum, then the filters in the dust collector must be replaced. A record shall be kept of when the filters are replaced.

Parameter Monitored: PRESSURE CHANGE
 Upper Permit Limit: 6.0 inches of water
 Monitoring Frequency: WEEKLY
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
 SEE MONITORING DESCRIPTION
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 8: Compliance Demonstration
 Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 8.1:

The Compliance Demonstration activity will be performed for the facility:

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The Compliance Demonstration applies to:

- Emission Unit: U-00001 Emission Point: 0083A
- Emission Unit: U-00001 Emission Point: 0086A
- Emission Unit: U-00001 Emission Point: 0086B
- Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 8.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A reduction in particulate emissions of at least 95 percent must be achieved by the cartridge filters associated with each of the emission points listed in this condition.

Monitoring of hours of operation and replacement of filters will be used to demonstrate compliance with this reduction limit. A record shall be kept of the hours of operation of each low pressure plasma spray vacuum system.

At or before the hours of operation of any vacuum system reach 1100 hours, the cartridge filters connected to that system must be replaced. A record shall be kept of when filters are replaced.

Parameter Monitored: OPERATING HOURS

Upper Permit Limit: 1100 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 9: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 9.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

- Emission Unit: U-00001 Emission Point: 00154
- Emission Unit: U-00001 Emission Point: 0083A

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Emission Unit: U-00001 Emission Point: 0086A

Emission Unit: U-00001 Emission Point: 0086B

Regulated Contaminant(s):
 CAS No: 0NY075-00-0 PARTICULATES

Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A reduction in particulate emissions of at least 99 percent must be achieved by any oil bath or demister used as emission control on the emission points listed in this condition.

To assure this reduction, the vacuum systems associated with these emission points must be inspected and maintained in accordance with written plant operating procedures. This includes maintaining oil bath levels and demisters. A copy of the procedures must be kept on site and made available to Department representatives upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 10: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Emission Point: 00160

Emission Unit: U-00001 Emission Point: 0160A

Regulated Contaminant(s):
 CAS No: 0NY075-00-0 PARTICULATES

Item 10.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A reduction of particulate emissions of at least 98

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Facility DEC ID: 3392400074

percent must be achieved by the polyester felt filters associated with each of the emission points listed in this condition.

Monitoring of hours of operation and replacement of filters will be used to demonstrate compliance with this reduction limit. At or before the hours of operation reach 1100 hours, the filters must be replaced. A record shall be kept of the hours of operation and when the filters are replaced.

Parameter Monitored: OPERATING HOURS

Upper Permit Limit: 1100 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 11: Visible Emissions Limited
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 211.2

Item 11.1:

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

Condition 12: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 12.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 12.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person will 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 Method 9 opacity evaluation at any time during facility operation.

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The opacity limit applies to any emission point, identified in this permit, from which particulate matter is discharged.

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: Method 9
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 6 MINUTE AVERAGE
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 13: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 13.1:

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

Emission Unit: U-00001	Emission Point: 00053
Emission Unit: U-00001	Emission Point: 00061
Emission Unit: U-00001	Emission Point: 00155
Emission Unit: U-00001	Emission Point: 00156
Emission Unit: U-00002	Emission Point: 00126
Emission Unit: U-00002	Emission Point: 00130
Emission Unit: U-00002	Emission Point: 00148
Emission Unit: U-00002	Emission Point: 00149
Emission Unit: U-00002	Emission Point: 00157
Emission Unit: U-00002	Emission Point: 00158
Emission Unit: U-00002	Emission Point: 00161
Emission Unit: U-00002	Emission Point: 00162
Emission Unit: U-00002	Emission Point: 00170
Emission Unit: U-00002	Emission Point: 00171
Emission Unit: U-00004	Emission Point: 00117

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Emission Unit: U-00004	Emission Point: 00118
Emission Unit: U-00004	Emission Point: 00136
Emission Unit: U-00004	Emission Point: 00143
Emission Unit: U-00004	Emission Point: 00144
Emission Unit: U-00004	Emission Point: 00152

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates from each of the emission points listed in this permit condition are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing and reporting will be conducted by the facility, if directed by the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 14: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:40CFR 63, Subpart WWWW

Item 14.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For all thermal operations, a capture system must be operated which collects particulate emissions from the thermal spraying process, and transports the emissions to a filtering device. Emission capture and control devices must be operated according to manufacturer's specifications and operating instructions. These

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instructions shall be kept at the facility at all times in a location that is easily accessible to facility personnel.

Compliance shall be documented in an annual compliance report for each calendar year. The annual report must include a statement that the control devices have been operated and maintained according to manufacturer's specifications and instructions. The annual report must be submitted only if deviations from this permit condition have occurred during the year. Then such report shall include an explanation of the deviation and the corrective action taken, and the report must be postmarked or delivered to the delegated authority no later than January 31 of the year following the reporting period.

All reports and records must be kept at the facility for a minimum of 5 years, and must be made available upon request by regulatory personnel.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 15: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement: 6 NYCRR 200.7

Item 15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001	Emission Point: 00169
Process: APS	Emission Source: 16903

Regulated Contaminant(s):
 CAS No: 0NY075-00-0 PARTICULATES
 CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE

COMPOUNDS

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A reduction in particulate emissions of at least 99.97 percent must be achieved by the HEPA filter associated

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with Emission Point 00169. This reduction will be achieved by inspecting and replacing the HEPA filter as necessary, and a record shall be kept of when the filter is replaced.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 16: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 16.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: 0085A

Regulated Contaminant(s):

CAS No: 0NY075-00-0

PARTICULATES

CAS No: 007440-02-0

NICKEL METAL AND INSOLUBLE

COMPOUNDS

Item 16.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A reduction in particulate emissions of at least 95 percent must be achieved by the cartridge filters associated with Emission Point 0085A.

Monitoring of hours and replacement of filters will be used to demonstrate compliance with this reduction limit.

A record shall be kept of the hours of operation of the low pressure plasma spray vacuum system. At or before hours of operation of the vacuum system reach 1100 hours, the cartridge filters connected to that system must be replaced. A record shall be kept of when filters are replaced.

Parameter Monitored: OPERATING HOURS

Upper Permit Limit: 1100 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 17: Compliance Demonstration

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Applicable Federal Requirement:6 NYCRR 200.7

Item 17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003	Emission Point: 00047
Process: ACL	Emission Source: 04702

Regulated Contaminant(s):

CAS No: 007664-38-2	PHOSPHORIC ACID
CAS No: 007697-37-2	NITRIC ACID

Item 17.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A reduction in nitric acid and phosphoric acid emissions of at least 96.5 percent must be achieved by the scrubber.

Monitoring of differential pressure across the scrubber will be used to demonstrate compliance with this reduction limit. The differential pressure shall be read and recorded at least weekly. The pressure is limited to a maximum of 2.5 inches of water. If the pressure reaches this maximum, then the packing material in the scrubber must be cleaned. A record shall be kept of when any cleaning occurs.

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: 2.5 inches of water

Monitoring Frequency: WEEKLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 18: Compliance Demonstration

Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003	Emission Point: 00048
Process: ACL	Emission Source: 04802

Regulated Contaminant(s):

Permit ID: 3-3924-00074/00177

Facility DEC ID: 3392400074

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 18.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A reduction in hydrochloric acid emissions of at least 98 percent must be achieved by the scrubber.

Monitoring of differential pressure across the scrubber will be used to demonstrate compliance with this reduction limit. The differential pressure shall be read and recorded at least weekly. The pressure is limited to a maximum of 2.5 inches of water. If the pressure reaches this maximum, then the packing material in the scrubber must be cleaned. A record shall be kept of when any cleaning occurs.

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: 2.5 inches of water

Monitoring Frequency: WEEKLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 19: Compliance Demonstration

Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement: 6 NYCRR 200.7

Item 19.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Emission Point: 00111

Process: PLG

Emission Source: 11103

Regulated Contaminant(s):

CAS No: 005329-14-6

SULFAMIC ACID H3NO3S

CAS No: 007647-01-0

HYDROGEN CHLORIDE

Item 19.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A reduction in the emissions of the regulated contaminants, listed in this condition, of at least 90 percent must be achieved by the scrubber.

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Monitoring of differential pressure across the scrubber will be used to demonstrate compliance with this reduction limit. The differential pressure shall be read and recorded at least weekly. The pressure is limited to a maximum of 8.0 inches of water. If the pressure reaches this maximum, then the packing material in the scrubber must be cleaned. A record shall be kept of when any cleaning occurs.

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: 8.0 inches of water

Monitoring Frequency: WEEKLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 20: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable Federal Requirement:6 NYCRR 200.7

Item 20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008 Emission Point: 00150

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A reduction in particulate emissions of at least 95 percent must be achieved by the dust collector. To assure this reduction, dust collector filters must be maintained in good condition by inspecting and replacing filters as necessary.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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Facility DEC ID: 3392400074

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 21: Contaminant List

Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement: ECL 19-0301

Item 21.1:

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

CAS No: 000064-17-5
Name: ETHYL ALCOHOL (ETHANOL)

CAS No: 000067-63-0
Name: ISOPROPYL ALCOHOL

CAS No: 000108-88-3
Name: TOLUENE

CAS No: 005329-14-6

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Name: SULFAMIC ACID H3NO3S

CAS No: 007439-96-5

Name: MANGANESE

CAS No: 007440-02-0

Name: NICKEL METAL AND INSOLUBLE COMPOUNDS

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 007440-62-2

Name: VANADIUM

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007664-38-2

Name: PHOSPHORIC ACID

CAS No: 007664-39-3

Name: HYDROGEN FLUORIDE

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 007697-37-2

Name: NITRIC ACID

CAS No: 0NY075-00-0

Name: PARTICULATES

Condition 22: Malfunctions and start-up/shutdown activities
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 201-1.4

Item 22.1:

(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.

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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 23: Emission Unit Definition
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 23.1:

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

Emission Unit: U-00001
 Emission Unit Description:
 Plasma Coating Equipment

Building(s): Main

Item 23.2:

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

Emission Unit: U-00002
 Emission Unit Description:
 Ovens

Building(s): Main

Item 23.3:

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

Emission Unit: U-00003
 Emission Unit Description:
 Scrubbers

Building(s): Main

Permit ID: 3-3924-00074/00177

Facility DEC ID: 3392400074

Item 23.4:

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

Emission Unit: U-00004

Emission Unit Description:

Inspection

Building(s): Main

Item 23.5:

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

Emission Unit: U-00006

Emission Unit Description:

Evaporator

Building(s): Main

Item 23.6:

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

Emission Unit: U-00007

Emission Unit Description:

Laser Equipment

Building(s): Main

Item 23.7:

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

Emission Unit: U-00008

Emission Unit Description:

Gas/Pack Coating Furnaces

Building(s): Main

Item 23.8:

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

Emission Unit: U-00009

Emission Unit Description:

Exhaust Hoods

Building(s): Main

Condition 24: Renewal deadlines for state facility permits
Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 24.1:

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 25: CLCPA Applicability

Permit ID: 3-3924-00074/00177

Facility DEC ID: 3392400074

Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 25.1:

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 26: Compliance Demonstration

Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 26.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE COMPOUNDS

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility shall control nickel emissions from the large cut-off saw, which vents to Emission Point 00175. A coolant stream or wet spray shall be utilized as the parts are cut to reduce emissions by 95 percent. In addition, the number of parts cut are limited to 36 per year. A record shall be kept of the number of parts cut.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: PARTS

Upper Permit Limit: 36 number (or quantity) per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 27: Compliance Demonstration

Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 27.1:

The Compliance Demonstration activity will be performed for the Facility.

Permit ID: 3-3924-00074/00177

Facility DEC ID: 3392400074

Regulated Contaminant(s):
CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE
COMPOUNDS

Item 27.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Nickel emissions from the cut-off saws, which vent to
Emission Points 00026, 00063, and 00141, must be reduced
by 95 percent. This will be achieved by utilizing a wet
spray as the parts are cut.

Parameter Monitored: PARTICULATES

Lower Permit Limit: 95 percent reduction by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 28: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 28.1:

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

Emission Unit: U-00001	Emission Point: 00007
Emission Unit: U-00001	Emission Point: 00064
Emission Unit: U-00001	Emission Point: 00160
Emission Unit: U-00001	Emission Point: 0085A
Emission Unit: U-00001	Emission Point: 0086A
Emission Unit: U-00001	Emission Point: 0086B
Emission Unit: U-00001	Emission Point: 0160A

Item 28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Permit ID: 3-3924-00074/00177

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The amount of coating used for each of the spray units corresponding to the emission points listed in this permit condition is limited to 6250 pounds per year.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: COATING

Upper Permit Limit: 6250 pounds per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 29: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 29.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 29.2:

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 3
21 South Putt Corners Rd.
New Paltz, NY 12561

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 201-5.4

Item 30.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 30.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit modifications and physical or operational changes at the facility are subject to the following

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procedures.

1. The permittee must submit an application to modify the permit for the addition or modification of any emission source. The modified permit must be issued before construction or operation of the requested modification can commence.

2. The following changes and modifications may be conducted without prior approval of the Department:

- (i) changes that do not cause emissions to exceed any emission limitation contained in regulations or in this permit;
- (ii) changes which do not cause the facility to become subject to any additional regulations or requirements to those specified in this permit;
- (iii) changes that do not seek to establish or modify a federally-enforceable emission cap or limit.

3. Advanced notice is required for any change meeting the criteria in item (2). A record of the date and description of the change must be kept. These records must be made available for review by Department representatives upon request.

4. The Department may require a permit modification to impose applicable requirements or permit conditions, if it is determined that changes do not meet the criteria in item (2) or changes have a significant air quality impact.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Air pollution prohibited
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 211.1

Item 31.1:

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.

Condition 32: Emission Testing Using Approved Procedures
Effective between the dates of 01/07/2021 and 01/06/2031

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Applicable State Requirement:6 NYCRR 212-1.7 (a)

Item 32.1:

a) Facility owners and/or operators of a process emission source required by the department to demonstrate compliance with this Part may be required to conduct capture efficiency and/or stack emissions testing using acceptable and approved procedures pursuant to Part 202 of this Title.

Condition 33: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 212-2.2

Item 33.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE
COMPOUNDS

Item 33.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility owner or operator shall limit the actual emissions of nickel and nickel compounds from the facility to 10 pounds per year. A record shall be kept which demonstrates compliance with this limit.

Monitoring Frequency: ANNUALLY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 34: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 212-2.2

Item 34.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007439-96-5 MANGANESE

Item 34.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility owner or operator shall limit the actual

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emissions of manganese compounds from the facility to 10 pounds per year. A record shall be kept which demonstrates compliance with this limit.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 35: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 212-2.2

Item 35.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
 CAS No: 007440-62-2 VANADIUM

Item 35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall limit the actual emissions of vanadium from the facility to 25 pounds per year. A record shall be kept which demonstrates compliance with this limit.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 36: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 212-2.2

Item 36.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
 CAS No: 007440-47-3 CHROMIUM

Item 36.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall limit the actual emissions of chromium compounds from all process operations at the facility to 250 pounds per year. A record shall be kept which demonstrates compliance with this limit.

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Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 37: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 212-2.3 (b)

Item 37.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 37.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements in Table 4 of Part 212. Emissions of an air contaminant with an emission rate potential of less than 10 pounds per hour and an Environmental Rating of B must meet the annual and short term guideline concentrations for that contaminant at the facility fenceline.

Air dispersion modeling has been performed, and the results demonstrate compliance with this requirement. The facility must maintain a record of the dispersion modeling.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 38: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 212-2.3 (b)

Item 38.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-38-2 PHOSPHORIC ACID

Item 38.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements in Table 4 of Part 212. Emissions of an air contaminant with an emission rate potential of less than 10 pounds per hour and an Environmental Rating of B must meet the annual and short term guideline concentrations for that contaminant at the facility fence line.

Air dispersion modeling has been performed, and the results demonstrate compliance with this requirement. The facility must maintain a record of the dispersion modeling.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 39: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement: 6 NYCRR 212-2.3 (b)

Item 39.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000067-63-0 ISOPROPYL ALCOHOL

Item 39.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements in Table 4 of Part 212. Emissions of an air contaminant with an emission rate potential of less than 10 pounds per hour and an Environmental Rating of B must meet the annual and short term guideline concentrations for that contaminant at the facility fence line.

Air dispersion modeling has been performed, and the results demonstrate compliance with this requirement. The facility must maintain a record of the dispersion modeling.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 40: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement: 6 NYCRR 212-2.3 (b)

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Item 40.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000064-17-5 ETHYL ALCOHOL (ETHANOL)

Item 40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements in Table 4 of Part 212. Emissions of an air contaminant with an emission rate potential of less than 10 pounds per hour and an Environmental Rating of B must meet the annual and short term guideline concentrations for that contaminant at the facility fenceline.

Air dispersion modeling has been performed, and the results demonstrate compliance with this requirement. The facility must maintain a record of the dispersion modeling.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 41: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 212-2.3 (b)

Item 41.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements in Table 4 of Part 212. Emissions of an air contaminant with an emission rate potential of less than 10 pounds per hour and an Environmental Rating of C must meet the annual and short term guideline concentrations for that contaminant at the facility fenceline.

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Air dispersion modeling has been performed, and the results demonstrate compliance with this requirement. The facility must maintain a record of the dispersion modeling.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 42: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 212-2.3 (b)

Item 42.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007697-37-2 NITRIC ACID

Item 42.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements in Table 4 of Part 212. Emissions of an air contaminant with an emission rate potential of less than 10 pounds per hour and an Environmental Rating of B must meet the annual and short term guideline concentrations for that contaminant at the facility fence line.

Air dispersion modeling has been performed, and the results demonstrate compliance with this requirement. The facility must maintain a record of the dispersion modeling.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 43: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR 212-2.3 (b)

Item 43.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 43.2:

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements in Table 4 of Part 212. Emissions of an air contaminant with an emission rate potential of less than 10 pounds per hour and an Environmental Rating of B must meet the annual and short-term guideline concentrations for that contaminant at the facility fence line.

Air dispersion modeling has been performed, and the results demonstrate compliance with this requirement. The facility must maintain a record of the dispersion modeling.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 44: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement: 6 NYCRR 212-2.3 (b)

Item 44.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000108-88-3 TOLUENE

Item 44.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall not allow emissions of an air contaminant to violate the requirements in Table 4 of Part 212. Emissions of an air contaminant with an emission rate potential of less than 10 pounds per hour and an Environmental Rating of B must meet the annual and short term guideline concentrations for that contaminant at the facility fence line.

Air dispersion modeling has been performed, and the results demonstrate compliance with this requirement. The facility must maintain a record of the dispersion modeling.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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**** Emission Unit Level ****

Condition 45: Emission Point Definition By Emission Unit
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 45.1:

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

Emission Unit:	U-00001		
Emission Point:	00007		
	Height (ft.): 28	Length (in.): 48	Width (in.): 48
	NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point:	00030		
	Height (ft.): 30	Length (in.): 48	Width (in.): 48
	NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point:	00053		
	Height (ft.): 27	Length (in.): 24	Width (in.): 48
	NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point:	00061		
	Height (ft.): 34	Length (in.): 20	Width (in.): 37
	NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point:	00064		
	Height (ft.): 31	Length (in.): 48	Width (in.): 48
	NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point:	00081		
	Height (ft.): 34	Diameter (in.): 14	
	NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point:	00083		
	Height (ft.): 27	Length (in.): 24	Width (in.): 24
	NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point:	00125		
	Height (ft.): 38	Length (in.): 18	Width (in.): 16
	NYTMN (km.): 4543.24	NYTME (km.): 585.826	Building: Main
Emission Point:	00154		
	Height (ft.): 31	Diameter (in.): 4	
	NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point:	00155		
	Height (ft.): 29	Length (in.): 48	Width (in.): 48

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NYTMN (km.): 4543.22	NYTME (km.): 585.81	Building: Main
Emission Point: 00156		
Height (ft.): 29	Length (in.): 48	Width (in.): 48
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 00160		
Height (ft.): 27	Diameter (in.): 3	
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 00168		
Height (ft.): 27	Length (in.): 20	Width (in.): 37
NYTMN (km.): 4543.2	NYTME (km.): 585.8	Building: Main
Emission Point: 00169		
Height (ft.): 29	Length (in.): 72	Width (in.): 48
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 0083A		
Height (ft.): 36	Diameter (in.): 4	
NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point: 0083B		
Height (ft.): 35	Diameter (in.): 4	
NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point: 0085A		
Height (ft.): 31	Diameter (in.): 8	
NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point: 0086A		
Height (ft.): 36	Diameter (in.): 4	
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 0086B		
Height (ft.): 31	Diameter (in.): 4	
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 0160A		
Height (ft.): 27	Diameter (in.): 3	
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main

Item 45.2:

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

Emission Unit: U-00002		
Emission Point: 00109		
Height (ft.): 38	Length (in.): 24	Width (in.): 18
NYTMN (km.): 4543.24	NYTME (km.): 585.826	Building: Main
Emission Point: 00116		

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Height (ft.): 35	Diameter (in.): 12	
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 00126		
Height (ft.): 29	Diameter (in.): 6	
NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point: 00130		
Height (ft.): 34	Diameter (in.): 6	
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 00139		
Height (ft.): 31	Diameter (in.): 5	
NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point: 00148		
Height (ft.): 36	Diameter (in.): 6	
NYTMN (km.): 4543.22	NYTME (km.): 585.81	Building: Main
Emission Point: 00149		
Height (ft.): 37	Length (in.): 8	Width (in.): 8
NYTMN (km.): 4543.22	NYTME (km.): 585.81	Building: Main
Emission Point: 00157		
Height (ft.): 36	Diameter (in.): 6	
NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point: 00158		
Height (ft.): 31	Diameter (in.): 8	
NYTMN (km.): 4543.223	NYTME (km.): 585.826	Building: Main
Emission Point: 00161		
Height (ft.): 29	Diameter (in.): 6	
NYTMN (km.): 4543.35	NYTME (km.): 585.82	Building: Main
Emission Point: 00162		
Height (ft.): 27	Diameter (in.): 8	
NYTMN (km.): 4543.31	NYTME (km.): 585.8	Building: Main
Emission Point: 00170		
Height (ft.): 33	Diameter (in.): 6	
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 00171		
Height (ft.): 33	Diameter (in.): 6	
NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main

Item 45.3:

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

Emission Unit: U-00003

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Emission Point: 00047	Height (ft.): 48	Diameter (in.): 26	
	NYTMN (km.): 4543.2	NYTME (km.): 585.8	Building: Main
Emission Point: 00048	Height (ft.): 41	Diameter (in.): 17	
	NYTMN (km.): 4543.2	NYTME (km.): 585.8	Building: Main
Emission Point: 00111	Height (ft.): 41	Length (in.): 38	Width (in.): 30
	NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 00167	Height (ft.): 25	Diameter (in.): 6	
	NYTMN (km.): 4543.35	NYTME (km.): 585.82	Building: Main

Item 45.4:

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

Emission Unit: U-00004			
Emission Point: 00101	Height (ft.): 33	Length (in.): 18	Width (in.): 18
	NYTMN (km.): 4543.17	NYTME (km.): 585.8	Building: Main
Emission Point: 00117	Height (ft.): 30	Diameter (in.): 8	
	NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 00118	Height (ft.): 33	Diameter (in.): 17	
	NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 00136	Height (ft.): 31	Diameter (in.): 6	
	NYTMN (km.): 4543.19	NYTME (km.): 585.826	Building: Main
Emission Point: 00143	Height (ft.): 29	Diameter (in.): 14	
	NYTMN (km.): 4543.35	NYTME (km.): 585.82	Building: Main
Emission Point: 00144	Height (ft.): 27	Length (in.): 24	Width (in.): 24
	NYTMN (km.): 4543.35	NYTME (km.): 585.82	Building: Main
Emission Point: 00151	Height (ft.): 26	Length (in.): 10	Width (in.): 18
	NYTMN (km.): 4543.24	NYTME (km.): 585.83	Building: Main
Emission Point: 00152	Height (ft.): 32	Length (in.): 6	Width (in.): 12
	NYTMN (km.): 4543.24	NYTME (km.): 585.83	Building: Main

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Emission Point: 00153
 Height (ft.): 28 Diameter (in.): 6
 NYTMN (km.): 4543.24 NYTME (km.): 585.83 Building: Main

Emission Point: 00181
 Height (ft.): 34 Diameter (in.): 5
 NYTMN (km.): 4543.19 NYTME (km.): 585.826 Building: Main

Item 45.5:

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

Emission Unit: U-00006

Emission Point: 00075
 Height (ft.): 34 Diameter (in.): 5
 NYTMN (km.): 4543.19 NYTME (km.): 585.826 Building: Main

Item 45.6:

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

Emission Unit: U-00007

Emission Point: 00091
 Height (ft.): 44 Length (in.): 24 Width (in.): 18
 NYTMN (km.): 4543.24 NYTME (km.): 585.826 Building: Main

Emission Point: 00123
 Height (ft.): 30 Length (in.): 48 Width (in.): 24
 NYTMN (km.): 4543.19 NYTME (km.): 585.826 Building: Main

Item 45.7:

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

Emission Unit: U-00008

Emission Point: 00112
 Height (ft.): 54 Diameter (in.): 12
 NYTMN (km.): 4543.35 NYTME (km.): 585.82 Building: Main

Emission Point: 00134
 Height (ft.): 54 Diameter (in.): 12
 NYTMN (km.): 4543.35 NYTME (km.): 585.82 Building: Main

Emission Point: 00150
 Height (ft.): 34 Diameter (in.): 6
 NYTMN (km.): 4543.223 NYTME (km.): 585.826 Building: Main

Emission Point: 00159
 Height (ft.): 28 Diameter (in.): 6
 NYTMN (km.): 4543.31 NYTME (km.): 585.8 Building: Main

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Item 45.8:

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

Emission Unit: U-00009			
Emission Point: 00147			
Height (ft.): 19	Length (in.): 48	Width (in.): 48	
NYTMN (km.): 4543.22	NYTME (km.): 585.81	Building: Main	
Emission Point: 0133A			
Height (ft.): 34	Length (in.): 20	Width (in.): 26	
NYTMN (km.): 4543.24	NYTME (km.): 585.826	Building: Main	
Emission Point: 0133B			
Height (ft.): 34	Length (in.): 16	Width (in.): 13	
NYTMN (km.): 4543.24	NYTME (km.): 585.826	Building: Main	
Emission Point: 0133C			
Height (ft.): 34	Length (in.): 20	Width (in.): 26	
NYTMN (km.): 4543.24	NYTME (km.): 585.826	Building: Main	

Condition 46: Process Definition By Emission Unit
Effective between the dates of 01/07/2021 and 01/06/2031

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 46.1:

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

Emission Unit: U-00001	
Process: APS	Source Classification Code: 3-09-040-20
Process Description:	
Air Plasma Spray is used to coat metallic parts with ceramic or alloy powder using a plasma arc mechanism. Alloy powder overspray emissions vent to a dust collector, and in many cases, a HEPA filter.	
Emission Source/Control: 05302 - Control	
Control Type: PAPER FILTER	
Emission Source/Control: 05303 - Control	
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER	
Emission Source/Control: 06102 - Control	
Control Type: PAPER FILTER	
Emission Source/Control: 06103 - Control	
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER	
Emission Source/Control: 12502 - Control	
Control Type: PAPER FILTER	

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Emission Source/Control: 12503 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 15502 - Control
Control Type: PAPER FILTER

Emission Source/Control: 15503 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 15602 - Control
Control Type: PAPER FILTER

Emission Source/Control: 15603 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 16902 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 16903 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 05301 - Process

Emission Source/Control: 06101 - Process

Emission Source/Control: 12501 - Process

Emission Source/Control: 15501 - Process

Emission Source/Control: 15601 - Process

Emission Source/Control: 16901 - Process

Item 46.2:

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

Emission Unit: U-00001
Process: ASP Source Classification Code: 3-09-040-10
Process Description:
Air Spray is used to coat metallic parts with alloy wire or powder using a combustion spray gun. Alloy powder overspray emissions vent to a dust collector, and in many cases, a HEPA filter.

Emission Source/Control: 00702 - Control
Control Type: PAPER FILTER

Emission Source/Control: 00703 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 03002 - Control
Control Type: PAPER FILTER

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Emission Source/Control: 03003 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 06402 - Control
Control Type: PAPER FILTER

Emission Source/Control: 06403 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 16802 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 16803 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00701 - Process

Emission Source/Control: 03001 - Process

Emission Source/Control: 06401 - Process

Emission Source/Control: 16801 - Process

Item 46.3:

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

Emission Unit: U-00001
Process: LPP Source Classification Code: 3-09-040-10
Process Description:

Low Pressure Plasma Spray (LPPS) is used to apply a metallic coating to turbine engine parts in a pressure and temperature controlled environment. The vacuum chamber for the LPPS unit is connected to a dust collector, which in some cases, vents to the outside. The vacuum chamber for the LPPS unit is also connected to a vacuum pump or screw pumps. The vacuum pumps are then connected to oil baths, cartridge filters or a demister that vents to the outside through a single stack. Trace powder from the LPPS unit vacuum chamber is released into the vacuum system. The oil baths, cartridge filters or demister remove trace powder. There is a polyester felt filter between the vacuum chamber and the screw pumps.

Emission Source/Control: 08102 - Control
Control Type: PAPER FILTER

Emission Source/Control: 08103 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 08302 - Control
Control Type: PAPER FILTER

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Emission Source/Control: 08303 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 15402 - Control
Control Type: LIQUID FILTRATION SYSTEM

Emission Source/Control: 15403 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 16002 - Control
Control Type: POLYESTER FILTER

Emission Source/Control: 160A2 - Control
Control Type: POLYESTER FILTER

Emission Source/Control: 83A02 - Control
Control Type: LIQUID FILTRATION SYSTEM

Emission Source/Control: 83A03 - Control
Control Type: PAPER FILTER

Emission Source/Control: 83B02 - Control
Control Type: LIQUID FILTRATION SYSTEM

Emission Source/Control: 83B03 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 85A02 - Control
Control Type: LIQUID FILTRATION SYSTEM

Emission Source/Control: 85A03 - Control
Control Type: PAPER FILTER

Emission Source/Control: 86A02 - Control
Control Type: LIQUID FILTRATION SYSTEM

Emission Source/Control: 86A03 - Control
Control Type: PAPER FILTER

Emission Source/Control: 86B02 - Control
Control Type: LIQUID FILTRATION SYSTEM

Emission Source/Control: 86B03 - Control
Control Type: PAPER FILTER

Emission Source/Control: 08101 - Process

Emission Source/Control: 08301 - Process

Emission Source/Control: 15401 - Process

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Emission Source/Control: 16001 - Process

Emission Source/Control: 160A1 - Process

Emission Source/Control: 83A01 - Process

Emission Source/Control: 83B01 - Process

Emission Source/Control: 85A01 - Process

Emission Source/Control: 86A01 - Process

Emission Source/Control: 86B01 - Process

Item 46.4:

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

Emission Unit: U-00002

Process: BOO

Source Classification Code: 3-09-001-98

Process Description:

An oven is used to burn epoxy resin and thermoplastic rubber from turbine engine parts. The epoxy resin and thermoplastic rubber are used to mask off the holes of airfoils for processing. After processing, the airfoils are placed into an oven to burn off the epoxy resins at temperatures greater than 1300 degrees Fahrenheit (705 degrees Celsius).

Emission Source/Control: 12601 - Process

Emission Source/Control: 13001 - Process

Emission Source/Control: 13901 - Process

Emission Source/Control: 14801 - Process

Emission Source/Control: 14901 - Process

Emission Source/Control: 15701 - Process

Emission Source/Control: 15801 - Process

Emission Source/Control: 16101 - Process

Emission Source/Control: 16201 - Process

Emission Source/Control: 17001 - Process

Emission Source/Control: 17101 - Process

Item 46.5:

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

Permit ID: 3-3924-00074/00177

Facility DEC ID: 3392400074

Emission Unit: U-00002

Process: DRO

Source Classification Code: 3-09-001-98

Process Description:

Portions of engine parts are painted or masked.
Following application, the painted or masked parts are dried in an oven.

Emission Source/Control: 10901 - Process

Emission Source/Control: 11602 - Process

Item 46.6:

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

Emission Unit: U-00003

Process: ACL

Source Classification Code: 3-09-001-98

Process Description:

Turbine engine parts are cleaned by either submerging them in liquid acids in tanks or subjecting them to a gas phase acid in a controlled chamber. Acid fumes from hooded tanks or the process chamber are controlled by a scrubber.

Emission Source/Control: 04702 - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 04802 - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Emission Source/Control: 16702 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, VENTURI SCRUBBER

Emission Source/Control: 04701 - Process

Emission Source/Control: 04801 - Process

Emission Source/Control: 16701 - Process

Item 46.7:

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

Emission Unit: U-00003

Process: PLG

Source Classification Code: 3-09-001-98

Process Description:

Blade tip plating operation utilizing hydrochloric acid tanks. The tanks vent to a scrubber.

Emission Source/Control: 11103 - Control

Control Type: PACKED-GAS ABSORPTION SYSTEM

Permit ID: 3-3924-00074/00177

Facility DEC ID: 3392400074

Emission Source/Control: 11101 - Process

Item 46.8:

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

Emission Unit: U-00004

Process: FPI

Source Classification Code: 3-09-001-98

Process Description:

A fluorescent penetrant developer, which consists of a free flowing powder, is dusted onto the turbine parts to develop the penetrant used in the detection of defects during the inspection process. The particulate emissions are controlled by a dust collector.

Emission Source/Control: 14402 - Control

Control Type: PAPER FILTER

Emission Source/Control: 15202 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 14401 - Process

Emission Source/Control: 15201 - Process

Item 46.9:

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

Emission Unit: U-00004

Process: FPR

Source Classification Code: 3-09-001-98

Process Description:

A fluorescent penetrant, which contains a mixture of organic solvents, is sprayed on the turbine parts to aid in the detection of defects during the inspection process. The parts are then rinsed with an alcohol solution.

Emission Source/Control: 15301 - Process

Item 46.10:

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

Emission Unit: U-00004

Process: FPS

Source Classification Code: 3-09-001-98

Process Description:

A fluorescent penetrant, which contains a mixture of organic solvents, is sprayed on the turbine parts to aid in the detection of defects during the inspection process.

Emission Source/Control: 10102 - Process

Emission Source/Control: 11701 - Process

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Emission Source/Control: 11801 - Process

Emission Source/Control: 13601 - Process

Emission Source/Control: 14301 - Process

Emission Source/Control: 15101 - Process

Item 46.11:

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

Emission Unit: U-00004

Process: XRY

Source Classification Code: 3-09-001-98

Process Description: X-rays are developed in an X-ray booth.

Emission Source/Control: 18101 - Process

Item 46.12:

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

Emission Unit: U-00006

Process: EVP

Source Classification Code: 4-90-001-99

Process Description:

Spent machining coolants are heated to boiling point, and vapors are exhausted to atmosphere.

Emission Source/Control: 07501 - Process

Item 46.13:

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

Emission Unit: U-00007

Process: LSR

Source Classification Code: 3-09-001-98

Process Description:

Lasers are used to process turbine parts by cutting, drilling, and milling. Metal fume, chip or dust generated from the process is captured in a hood and controlled by filters.

Emission Source/Control: 09102 - Control

Control Type: PAPER FILTER

Emission Source/Control: 12302 - Control

Control Type: PAPER FILTER

Emission Source/Control: 12303 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 09101 - Process

Emission Source/Control: 12301 - Process

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Facility DEC ID: 3392400074

Item 46.14:

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

Emission Unit: U-00008
Process: GPC Source Classification Code: 3-09-001-98
Process Description:
Gas-phase coating of aircraft engine parts with aluminum compounds or alloys. Emissions are controlled by filters or a wet collector.

Emission Source/Control: 11202 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 11203 - Control
Control Type: FLARING

Emission Source/Control: 13402 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 13403 - Control
Control Type: FLARING

Emission Source/Control: 15002 - Control
Control Type: PAPER FILTER

Emission Source/Control: 15902 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 11201 - Process

Emission Source/Control: 13401 - Process

Emission Source/Control: 15001 - Process

Emission Source/Control: 15901 - Process

Item 46.15:

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

Emission Unit: U-00009
Process: PCS Source Classification Code: 3-09-001-98
Process Description:
The Pack Coating Stations consist of a number of individual sources involved in the handling, blending and loading operations involving coating powders for turbine engine parts. The sources include hopper hoods, vibratory screens, blenders, retort unloading and drum unloading. The particulate emissions are controlled by a dust collector.

Emission Source/Control: 14702 - Control
Control Type: PAPER FILTER

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Emission Source/Control: 14701 - Process

Item 46.16:

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

Emission Unit: U-00009

Process: PLP

Source Classification Code: 3-09-001-98

Process Description:

The Platinum Plating Operation uses three different chemicals: Platinum (II) P solution, Ammonium Phosphate Dibasic, and Ammonium Hydroxide. Ammonia fumes from hooded tanks are exhausted.

Emission Source/Control: 133A1 - Process

Emission Source/Control: 133B1 - Process

Emission Source/Control: 133C1 - Process

Condition 47: Compliance Demonstration
Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 47.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Emission Point: 00167

Process: ACL

Emission Source: 16702

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 47.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A reduction in hydrogen fluoride emissions of at least 99.99 percent must be achieved by the scrubber. Emission testing and reporting will be required to ascertain compliance with this limit, if directed by the Department.

Parameter Monitored: HYDROGEN FLUORIDE

Lower Permit Limit: 99.99 percent reduction by weight

Reference Test Method: Method 26 or 26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Permit ID: 3-3924-00074/00177

Facility DEC ID: 3392400074

Condition 48: Compliance Demonstration
 Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 48.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004 Emission Point: 00101

Regulated Contaminant(s):
 CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE
 COMPOUNDS

Item 48.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must control nickel emissions from Emission Point 00101 by using oil during the operation of the two drills.

Monitoring Frequency: WHEN THE SOURCE IS OPERATING

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 49: Compliance Demonstration
 Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 49.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008 Emission Point: 00112
 Process: GPC Emission Source: 11201

Regulated Contaminant(s):
 CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 49.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Aluminum fluoride activator usage, when hydrogen is the carrier gas in the gas phase coating process, is limited to 720,000 grams per year. This will limit hydrogen fluoride emissions from Emission Point 00112, in order to meet guideline concentrations. A record of aluminum

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fluoride activator usage shall be maintained at the facility.

Parameter Monitored: ALUMINUM FLUORIDE
 Upper Permit Limit: 720000 grams per year
 Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 50: Compliance Demonstration
 Effective between the dates of 01/07/2021 and 01/06/2031

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

Item 50.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008	Emission Point: 00134
Process: GPC	Emission Source: 13401

Regulated Contaminant(s):
 CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 50.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Aluminum fluoride activator usage, when hydrogen is the carrier gas in the gas phase coating process, is limited to 720,000 grams per year. This will limit hydrogen fluoride emissions from Emission Point 00134, in order to meet guideline concentrations. A record of aluminum fluoride activator usage shall be maintained at the facility.

Parameter Monitored: ALUMINUM FLUORIDE
 Upper Permit Limit: 720000 grams per year
 Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 51: Compliance Demonstration
 Effective between the dates of 01/07/2021 and 01/06/2031

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

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Item 51.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00008 Emission Point: 00159
Process: GPC Emission Source: 15902

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 51.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A reduction in particulates of at least 70 percent must be achieved by the scrubber. Emission testing and reporting will be required to ascertain compliance with this limit, if directed by the Department.

Parameter Monitored: PARTICULATES

Lower Permit Limit: 70 percent reduction by weight

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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