

Facility DEC ID: 640580003

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility

Permit ID: 6-4058-00003/00365

Mod 0 Effective Date: 01/01/2013 Expiration Date: 12/31/2017

Mod 1 Effective Date: 08/21/2012 Expiration Date: No expiration date.

Mod 2 Effective Date: 11/01/2016 Expiration Date: 12/31/2017

SAPA Extended Begin Date: 01/01/2018

Permit Issued To: Arconic Massena LLC
PO Box 150
MASSENA, NY 13662-0150

Contact: ANTHONY SCHOEDEL
ARCONIC
201 ISABELLA ST
Pittsburgh, PA 15212

Facility: ARCONIC
45 Co Rte 42
Massena, NY 13662

Contact: TODD FURNIA
ARCONIC INC
PARK AVE E PO BOX 150
MASSENA, NY 13662
(315) 212-9069

Description:

The new Arconic facility operates on the same property formerly run by Alcoa Inc. Operations consist of ingot extrusion and the supporting activities. This facility is permitted for a number of emission units: A-00001, D-00001, F-00001, P-00001, and W-00001, which includes heat treat furnaces, aluminum burnishing, fugitive emissions, parts washers, and waste water treatment systems.

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

Permit Administrator: THOMAS G VOSS
 NYSDEC - REGION 6
 317 WASHINGTON ST
 WATERTOWN, NY 13601-3787

Authorized Signature: _____ Date: ___ / ___ / _____

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Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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

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DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 2-1: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 2-1.1:

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

Item 2-1.2:

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

Item 2-1.3

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

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Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

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

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 6 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 6 Headquarters
 Division of Environmental Permits
 State Office Building, 317 Washington Street
 Watertown, NY 13601-3787

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(315) 785-2245

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: Arconic Massena LLC
PO Box 150
MASSENA, NY 13662-0150

Facility: ARCONIC
45 Co Rte 42
Massena, NY 13662

Authorized Activity By Standard Industrial Classification Code:
3354 - ALUMINUM EXTRUDED PRODUCTS

Mod 0 Permit Effective Date: 01/01/2013

Permit Expiration Date: 12/31/2017

Mod 2 Permit Effective Date: 11/01/2016

Permit Expiration Date: 12/31/2017

SAPA Extended Begin Date: 01/01/2018

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**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 01/01/2013 and Permit Expiration Date**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

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Condition 2-1: Fees

Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-1.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 2-2: Recordkeeping and Reporting of Compliance Monitoring

Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-2.1:

The following information must be included in any required compliance monitoring records and reports:

(i) The date, place, and time of sampling or measurements;

(ii) The date(s) analyses were performed;

(iii) The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

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

Condition 2-3: Records of Monitoring, Sampling, and Measurement

Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-3.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 2-4: Compliance Certification

Effective between the dates of 11/01/2016 and Permit Expiration Date

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Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)**Item 2-4.1:**

The Compliance Certification activity will be performed for the Facility.

Item 2-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

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

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

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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 2-5: Compliance Certification
Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-5.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

Chief – Stationary Source Compliance Section
 USEPA Region 2
 Air Compliance Branch
 290 Broadway
 New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
 State Office Building
 317 Washington Street
 Watertown, NY 13601-3787

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY

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Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 1/30/2014.
 Subsequent reports are due on the same day each year

Condition 6: Compliance Certification
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 6.1:
 The Compliance Certification activity will be performed for the Facility.

Item 6.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due by April 15th for previous calendar year

Condition 7: Recordkeeping requirements
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:
 (a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 8: Open Fires - Prohibitions
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 215.2

Item 8.1:
 Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

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Item 8.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall

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be specified as "not applicable".]

Condition 9: Maintenance of Equipment
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 200.7

Item 9.1:

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 2-6: Recycling and Salvage
Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 2-6.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 11: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 2-7: Exempt Sources - Proof of Eligibility
Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-7.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 2-8: Trivial Sources - Proof of Eligibility
Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-8.1:

The owner or operator of an emission source or activity that is listed as being trivial in this

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Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 2-9: Requirement to Provide Information
Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-9.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 2-10: Right to Inspect
Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-10.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 2-11: Off Permit Changes
Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-11.1:

No permit revision will be required for operating changes that contravene an express permit

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term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 2-12: Required Emissions Tests
Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 2-12.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 19: Accidental release provisions.
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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

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

Condition 22: Emission Unit Definition
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1(From Mod 2):

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

Emission Unit: A-00001

Emission Unit Description:

Process heaters treat solid aluminum and emit small quantities of process emissions due to residuals on the aluminum. Emissions co-mingle with products of combustion (poc) from natural gas burners.

Building(s): 131
140
234

Item 22.2(From Mod 2):

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

Emission Unit: B-00002

End Date: 06/28/2017

Emission Unit Description:

Two (2) 3.0 MMBtu/hr natural gas fired package boilers sharing a common stack.

Item 22.3(From Mod 2):

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

Emission Unit: D-00001

Emission Unit Description:

Aluminum Burnisher

Building(s): 140

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Item 22.4(From Mod 2):

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

Emission Unit: F-00001

Emission Unit Description:

Arconic Engineered Products (AEP) fugitives.

Building(s): 131

140

220

222

Item 22.5(From Mod 2):

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

Emission Unit: P-00001

Emission Unit Description:

This emission unit consists of all the parts washers in the facility.

Item 22.6(From Mod 2):

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

Emission Unit: W-00001

Emission Unit Description:

Wastewater treatment operations.

Building(s): 79C

Condition 2-13: Progress Reports Due Semiannually
Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-13.1:

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

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 23: Compliance Certification
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-6.5 (e)

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

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Facility DEC ID: 6405800003

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due after the anniversary date of four consecutive calendar quarters as specified below. The first report is due after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2

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Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

State Office Building
317 Washington Street
Watertown, NY 13601-3787

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due on the same day each year

Condition 193: Visible Emissions Limited
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 211.2

Item 193.1:

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 2-14: Compliance Certification
Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-14.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The requirements of 6 NYCRR Part 212, Process Operations, were revised in 2015 and facilities with process emissions are required to comply with the revised requirements at the time of applying for a permit. The facility will conduct a site-wide evaluation of all process emissions and confirm compliance with all applicable portions of 6

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NYCRR Part 212 following the issuance of this permit. The completion of the compliance demonstration will be based on a schedule that is suitable to the Department.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-15: Compliance Certification
Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212-2.1 (b)

Item 2-15.1:

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

Emission Unit: W-00001
Process: WWT

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 2-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

As required by 6 NYCRR 212-2.1 (b), Ammonia has been issued an environmental rating of "C". The emission rate potential of Ammonia from each of the emission sources listed above shall remain less than 10 pounds per hour. Compliance testing shall be conducted upon request from the Department.

Upper Permit Limit: 10 pounds per hour

Reference Test Method: EPA CTM-027

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-16: Compliance Certification
Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212-2.1 (b)

Item 2-16.1:

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

Emission Unit: A-00001
Process: HT1

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Facility DEC ID: 6405800003

Emission Unit: A-00001
 Process: HT2

Emission Source: AF014

Emission Unit: A-00001
 Process: HT2

Emission Source: AF015

Emission Unit: A-00001
 Process: HT2

Emission Source: AF02A

Emission Unit: A-00001
 Process: HT2

Emission Source: AF02B

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 2-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

As required by 6 NYCRR 212-2.1 (b), Hydrogen Fluoride has been issued an environmental rating of "B". The emission rate potential of Hydrogen Fluoride from each of the emission sources listed above shall remain less than 10 pounds per hour. Compliance testing shall be conducted upon request from the Department.

Parameter Monitored: HYDROGEN FLUORIDE

Upper Permit Limit: 10.0 pounds per hour

Reference Test Method: Method 4075 TF

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-17: Compliance Certification

Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 212-2.1 (b)

Item 2-17.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: A-00001

Emission Unit: D-00001

Emission Unit: W-00001

Item 2-17.2:

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Facility DEC ID: 6405800003

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For any air contaminant not listed on table 2, unless it is a solid particulate described in subdivision (c) of this section, the facility owner or operator shall not allow emissions of an air contaminant to violate the requirements specified in subdivision 212-2.3(a), table 3 – degree of air cleaning required for criteria air contaminants of this Subpart, or subdivision 212-2.3(b), table 4 – degree of air cleaning required for non-criteria air contaminants of this Subpart, as applicable, for the environmental rating assigned to the contaminant by the department.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-18: Compliance Certification

Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-18.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: A-00001

Process: EPH

Emission Unit: A-00001

Process: HT1

Emission Point: F001A

Emission Unit: A-00001

Process: HT1

Emission Point: F001C

Emission Unit: A-00001

Process: HT1

Emission Point: F001D

Emission Unit: A-00001

Process: HT1

Emission Point: F0075

Emission Unit: A-00001

Process: HT1

Emission Point: F074A

Emission Unit: A-00001

Process: HT1

Emission Point: F074B

Emission Unit: A-00001

Process: HT2

Permit ID: 6-4058-00003/00365

Facility DEC ID: 6405800003

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

Item 2-18.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The control of particulate emissions released from new and modified process emission sources. Emissions from any process emission source for which an application was received by the department after July 1, 1973 are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of Subdivisions 212-2.5(a) and (b) of this Part.

Upper Permit Limit: .050 grains per dscf
Reference Test Method: EPA METHOD 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-19: Compliance Certification
Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212-3.1 (f)

Item 2-19.1:

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

- Emission Unit: A-00001 Emission Point: F0014
- Emission Unit: A-00001 Emission Point: F0015
- Emission Unit: A-00001 Emission Point: F002A
- Emission Unit: A-00001 Emission Point: F002B
- Emission Unit: A-00001
Process: HT1
- Emission Unit: F-00001

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Emission Unit: W-00001
 Process: WWT

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

Item 2-19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission rate potential of Volatile Organic Compounds (VOCs) from each process and emission point listed above shall remain less than 3.0 pounds per hour. A reasonably available control technology (RACT) analysis is not required for new emission points with NOx and VOC emission rate potentials less than 3.0 pounds per hour and actual emissions in the absence of control equipment less than 15.0 pounds per day at facilities located outside of the Lower Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, and Woodbury and New York City metropolitan area. Compliance testing shall be conducted upon request from the department.

Parameter Monitored: VOC

Upper Permit Limit: 3.0 pounds per hour

Reference Test Method: EPA RM 18 or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 2-20: Compliance Certification

Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 212-3.1 (f)

Item 2-20.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: A-00001	Emission Point: F0014
Emission Unit: A-00001	Emission Point: F0015
Emission Unit: A-00001	Emission Point: F001A
Emission Unit: A-00001	Emission Point: F001C

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Emission Unit: A-00001	Emission Point: F001D
Emission Unit: A-00001	Emission Point: F002A
Emission Unit: A-00001	Emission Point: F002B
Emission Unit: A-00001	Emission Point: F0075
Emission Unit: A-00001	Emission Point: F074A
Emission Unit: A-00001	Emission Point: F074B
Emission Unit: A-00001	Emission Point: I0014
Emission Unit: A-00001	Emission Point: I015A
Emission Unit: A-00001	Emission Point: I015B

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

Item 2-20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission rate potential of Oxides of Nitrogen (NOx) from each process and emission point listed above shall remain less than 3.0 pounds per hour. A reasonably available control technology (RACT) analysis is not required for new emission points with NOx and VOC emission rate potentials less than 3.0 pounds per hour and actual emissions in the absence of control equipment less than 15.0 pounds per day at facilities located outside of the Lower Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, and Woodbury and New York City metropolitan area. Compliance testing shall be conducted upon request from the department.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 3.0 pounds per hour

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 2-21: Compliance Certification

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Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR Part 226**Item 2-21.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: P-00001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 2-21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning:

- (1) A cover which can be operated easily.
- (2) An internal drainage facility (under cover), if practical.
- (3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply to remote reservoir degreasers.
- (4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 C.

B. Operating Requirements:

When cold cleaning, the clean parts must be drained at least 15 seconds or until dripping ceases.

C. General Requirements:

A Person conducting solvent metal cleaning must:

- (1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
- (2) Maintain equipment to minimize leaks and fugitive emissions.
- (3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.
- (4) Keep the degreaser cover closed except when: (a) parts are being placed into or being removed from the degreaser; (b) adding or removing solvent from the degreaser; (c) no solvent is in the degreaser; or (d) when manually cleaning metal parts in the cold cleaning degreaser.

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- (5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.
- (6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.
- (7) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement. (a) the name and address of the solvent supplier; (b) the type of solvent including the product or vendor identification number; and (c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).
- (8) Include in the semiannual monitoring report and annual compliance certifications (required of all permittees subject to Title V) the solvent consumption for the reporting period required under (5) above, as well as a statement that the permittee's obligations under items (1) through (7) above have been met for the period of the report or certification.. This statement must be based on the permittees observations on a weekly basis that the operation of the solvent metal cleaning process has met the above criteria. The permittee must maintain a log of instances when the above have not been met, and such statement must summarize these instances.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 2-22: Compliance Certification
Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-22.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

- | | |
|------------------------|-----------------------|
| Emission Unit: A-00001 | Emission Point: F078A |
| Emission Unit: A-00001 | Emission Point: F078B |
| Emission Unit: A-00001 | Emission Point: FC01A |

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Emission Unit: A-00001

Emission Point: FC01C

Emission Unit: A-00001

Emission Point: FC01D

Item 2-22.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute poeriod per hour, not to exceed 27 percent, based upon the sex minute average in reference test method 9 in appedix A of 40 CFR 60. Testing shall be conducted upon request from the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 2-23: Compliance Certification
Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 231-2

Item 2-23.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Under the requirements of 6 NYCRR Part 231, the Alcoa USA Facility (DEC ID# 6405800178) and the Arconic facility (DEC ID# 6405800003) will be treated as one facility. Any subsequent modifications at either facility will be considered against the emissions from both facilities together as one.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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Condition 40: Compliance Certification
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required by this permit shall be kept on-site at the facility for the five most recent years, and upon request, must be made available for review by a NYSDEC representative.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-24: Applicability
Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63, Subpart DDDDD

Item 2-24.1:

Facilities that are major sources of HAP with industrial, commercial, or institutional boilers and/or process heaters must comply with applicable portions of 40 CFR 63 DDDDD.

Condition 73: Applicability
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 73.1:

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

**** Emission Unit Level ****

Condition 75: Emission Point Definition By Emission Unit
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 75.1(From Mod 2):

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

Emission Unit: A-00001			
Emission Point: F0014			
Height (ft.): 41	Diameter (in.): 25		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 140	
Emission Point: F0015			
Height (ft.): 48	Diameter (in.): 25		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 140	
Emission Point: F001A			
Height (ft.): 50	Diameter (in.): 24		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 131	
Emission Point: F001C			
Height (ft.): 50	Diameter (in.): 24		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 131	
Emission Point: F001D			
Height (ft.): 50	Diameter (in.): 24		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 131	
Emission Point: F002A			
Height (ft.): 47	Diameter (in.): 21		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 140	
Emission Point: F002B			
Height (ft.): 47	Diameter (in.): 21		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 140	
Emission Point: F0075			
Height (ft.): 47	Diameter (in.): 21		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 131	
Emission Point: F074A			
Height (ft.): 45	Diameter (in.): 12		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 131	
Emission Point: F074B			
Height (ft.): 45	Diameter (in.): 12		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 131	
Emission Point: F078A			
Height (ft.): 42	Diameter (in.): 24		
NYTMN (km.): 4976.66	NYTME (km.): 509.387	Building: 140	
Emission Point: F078B			
Height (ft.): 42	Diameter (in.): 24		
NYTMN (km.): 4976.66	NYTME (km.): 509.387	Building: 140	

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Emission Point: FC01A			
Height (ft.): 50	Diameter (in.): 10		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 131	
Emission Point: FC01C			
Height (ft.): 50	Diameter (in.): 24		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 131	
Emission Point: FC01D			
Height (ft.): 50	Diameter (in.): 24		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 131	
Emission Point: I0014			
Height (ft.): 52	Diameter (in.): 42		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 234	
Emission Point: I015A			
Height (ft.): 52	Diameter (in.): 42		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 234	
Emission Point: I015B			
Height (ft.): 52	Diameter (in.): 42		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 234	

Item 75.2(From Mod 2):

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

Emission Unit: B-00002			
Emission Point: B001B			
Height (ft.): 38	Diameter (in.): 16		
NYTMN (km.): 4976.66	NYTME (km.): 509.387		

Item 75.3(From Mod 2):

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

Emission Unit: D-00001			
Emission Point: F0042			
Height (ft.): 57	Diameter (in.): 19		
NYTMN (km.): 4977.	NYTME (km.): 509.9	Building: 140	

Item 75.4(From Mod 2):

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

Emission Unit: W-00001			
Emission Point: F0069			
Height (ft.): 40	Diameter (in.): 3		
NYTMN (km.): 4977.	NYTME (km.): 508.9	Building: 79C	
Emission Point: F0070			

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Height (ft.): 41 Diameter (in.): 12
 NYTMN (km.): 4977. NYTME (km.): 508.9 Building: 79C

Emission Point: F0071
 Height (ft.): 41 Diameter (in.): 10
 NYTMN (km.): 4977. NYTME (km.): 508.9 Building: 79C

Condition 76: Process Definition By Emission Unit
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 76.1(From Mod 2):

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

Emission Unit: A-00001
 Process: EPH Source Classification Code: 3-90-006-99
 Process Description:
 Two 6500 TON PRESS PRE-HEAT, ONE exempt
 1500 TON PRESS PRE-HEAT AND ONE 5300 TON
 PRESS PRE-HEAT FURNACE. EACH USES MULTIPLE
 DIRECT FIRE NATURAL GAS BURNERS.

Emission Source/Control: AI014 - Process

Emission Source/Control: AI15A - Process

Emission Source/Control: AI15B - Process

Item 76.2(From Mod 2):

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

Emission Unit: A-00001
 Process: HT1 Source Classification Code: 3-04-001-12
 Process Description:
 #30, 31, 32, 34, 35, 38 HEAT TREAT
 FURNACES PROCESS EXHAUST. EACH FURNACE
 EXHAUSTS THROUGH THEIR OWN EMISSION POINT.
 #32, 34 AND 35 FURNACES ARE INDIRECTLY
 FIRED AND HAVE SEPARATE COMBUSTIION
 EXHAUSTS. RESIDUAL OIL ON ALUMINUM PRODUCES
 SLIGHT VOC EMISSION. CHEMICAL ADDITIVE
 PREVENTS OXIDATION OF SURFACE OF METAL AND
 PRODUCES INCIDENTAL HYDROGEN FLUORIDE
 EMISSION AS A BY-PRODUCT.

Emission Source/Control: AFC1A - Combustion

Emission Source/Control: AFC1C - Combustion

Emission Source/Control: AFC1D - Combustion

Emission Source/Control: AF01A - Process

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Emission Source/Control: AF01C - Process

Emission Source/Control: AF01D - Process

Emission Source/Control: AF075 - Process

Emission Source/Control: AF74A - Process

Emission Source/Control: AF74B - Process

Item 76.3(From Mod 2):

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

Emission Unit: A-00001

Process: HT2

Source Classification Code: 3-04-001-12

Process Description:

HEAT TREAT FURNACES #13, #14 AND #15 ARE INDIRECT FIRED NATURAL GAS FURNACES WHERE THE PRODUCTS OF COMBUSTION EXHAUST THROUGH EMISSION POINT (EP) F078A. THE FURNACE IS EXHAUSTED THROUGH EP F0014. HEAT TREAT FURNACES #16, #17 AND #18 HAVE A SIMILAR ARRANGEMENT WHERE THE PRODUCTS OF COMBUSTION EXHAUST THROUGH EP F078B AND THE FURNACE EXHAUST THROUGH EP F0015. FURNACE PROCESS EMISSIONS CONSIST OF RESIDUAL DRAWING LUBE FROM THE BARS WHICH ARE COMBUSTED AND VAPORIZED DURING THE BEGINNING OF THE HEAT TREAT PROCESS , NATURAL GAS AND RESIDUAL OIL ON THE ALUMINUM PRODUCES SLIGHT VOC EMISSIONS.

Emission Source/Control: AF014 - Process

Emission Source/Control: AF015 - Process

Emission Source/Control: AF02A - Process

Emission Source/Control: AF02B - Process

Emission Source/Control: AF78A - Process

Emission Source/Control: AF78B - Process

Item 76.4(From Mod 2):

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

Emission Unit: B-00002

Process: STM

Source Classification Code: 1-02-006-02

Process Description:

Two (2) 3 MMBtu/hr natural gas fired package boilers

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sharing a common stack.

Emission Source/Control: B000A - Combustion
Design Capacity: 3 million Btu per hour

Emission Source/Control: B000B - Combustion
Design Capacity: 3 million Btu per hour

Item 76.5(From Mod 2):

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

Emission Unit: D-00001
Process: ALB Source Classification Code: 3-04-001-99
Process Description: Aluminum Burnisher

Emission Source/Control: DFF42 - Control
Control Type: CENTRIFUGAL

Emission Source/Control: DF142 - Process

Item 76.6(From Mod 2):

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

Emission Unit: F-00001
Process: FB1 Source Classification Code: 3-03-001-05
Process Description:

FUGITIVES FROM THE BULL BLOCK. PROCESS
APPLIES HIGH BOILING POINT (GREATER THAN
300F) SOLVENT TO SLIGHTLY HOT METAL TO
ADHERE METAL TO BLOCK. VOC EMISSIONS ARE
INCLUDED ON THE ANNUAL EMISSIONS
STATEMENT.

Emission Source/Control: FFFB1 - Process

Item 76.7(From Mod 2):

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

Emission Unit: F-00001
Process: FB2 Source Classification Code: 3-03-001-99
Process Description:

FUGITIVES FROM THE INK JET PRINTER. METHYL
ETHYL KETONE (MEK) USED AS A CARRIER
SOLVENT. MEK EMISSIONS ARE INCLUDED ON THE
ANNUAL EMISSIONS STATEMENT.

Emission Source/Control: FFFB2 - Process

Item 76.8(From Mod 2):

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

Emission Unit: F-00001
Process: FB3 Source Classification Code: 3-04-001-99

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Process Description:

FUGITIVES FROM WAX DIPPING AND AIR DRYING COILS. WAX IS MIXED WITH WATER AND HEATED, THUS DOES NOT HAVE A HIGH VOC CONTENT.

Emission Source/Control: FFFB3 - Process

Item 76.9(From Mod 2):

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

Emission Unit: P-00001

Process: PWS

Source Classification Code: 4-01-002-95

Process Description:

THIS PROCESS CONSISTS OF ALL THE COLD CLEANING PARTS WASHERS.

Emission Source/Control: PARTS - Process

Item 76.10(From Mod 2):

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

Emission Unit: W-00001

Process: WWT

Source Classification Code: 3-01-820-03

Process Description:

Wastewater treatment consists of chemical pre-treatment

Emission Source/Control: FF069 - Control

Control Type: DUAL ALKALI SCRUBBING

Emission Source/Control: W0069 - Process

Emission Source/Control: W0070 - Process

Emission Source/Control: W0071 - Process

Condition 2-25: Compliance Certification

Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-25.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: A-00001

Process: EPH

Emission Unit: A-00001

Process: HT1

Emission Point: F001A

Emission Unit: A-00001

Process: HT1

Emission Point: F001C

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Emission Unit: A-00001 Process: HT1	Emission Point: F001D
Emission Unit: A-00001 Process: HT1	Emission Point: F0075
Emission Unit: A-00001 Process: HT1	Emission Point: F074A
Emission Unit: A-00001 Process: HT1	Emission Point: F074B
Emission Unit: A-00001 Process: HT2	Emission Point: F0014
Emission Unit: A-00001 Process: HT2	Emission Point: F0015
Emission Unit: A-00001 Process: HT2	Emission Point: F002A
Emission Unit: A-00001 Process: HT2	Emission Point: F002B
Emission Unit: D-00001 Process: ALB	Emission Point: F0042
Emission Unit: W-00001 Process: WWT	

Item 2-25.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No facility owner or operator shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water.

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 (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-26: Compliance Certification

Effective between the dates of 11/01/2016 and Permit Expiration Date

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

Item 2-26.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-00002

Regulated Contaminant(s):

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

Item 2-26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

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STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought 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 and/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;
 - (3) During the period of the emergency the facility owner and/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 and/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 and/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: 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

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properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 189: Contaminant List

Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 189.1:

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

CAS No: 000074-90-8
Name: HYDROCYANIC ACID

CAS No: 007664-39-3
Name: HYDROGEN FLUORIDE

CAS No: 007664-41-7
Name: AMMONIA

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

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

CAS No: 0NY998-00-0
Name: VOC

Condition 2-27: Malfunctions and start-up/shutdown activities

Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

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Item 2-27.1:

- (a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.
- (b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.
- (c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.
- (d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.
- (e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 190: Unavoidable noncompliance and violations
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 201-1.4

Item 190.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an

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exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 25: Air pollution prohibited
Effective between the dates of 01/01/2013 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.1

Item 25.1:

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,

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pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 2-28: Compliance Demonstration
Effective between the dates of 11/01/2016 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 212-2.1 (a)

Item 2-28.1:

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

Emission Unit: W-00001
Process: WWT

Regulated Contaminant(s):
CAS No: 000074-90-8 HYDROCYANIC ACID

Item 2-28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

As required by 6 NYCRR Part 212-2.1 (a) hydrogen cyanide has been issued an environmental rating of A. The emission rate potential of hydrogen cyanide from each emission source in this process shall remain less than 1 pound per hour. Compliance testing shall be conducted upon request from the Department.

Upper Permit Limit: 1 pounds per hour

Reference Test Method: EPA Method 18

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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