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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility
Permit ID: 7-3556-00001/00097
Mod 0 Effective Date: 12/20/2016 Expiration Date: 12/19/2021

Mod 1 Effective Date: 11/10/2014 Expiration Date: No expiration date.

Mod 2 Effective Date: 11/10/2014 Expiration Date: No expiration date.

Mod 3 Effective Date: 04/24/2017 Expiration Date: 12/19/2021

Permit Issued To:NOVELIS CORPORATION
448 CO RTE 1A
OSWEGO, NY 13126

Facility: NOVELIS CORPORATION
448 CO RTE 1A
OSWEGO, NY 13126-0028

Contact: DAVID NEUNER
NOVELIS CORPORATION
448 CO RTE 1A PO BOX 28
OSWEGO, NY 13126-0028

Description:
RC2CLD is an existing unit that will be modified as follows: (1) replacement of the 56,000 acfm Cold Baghouse (R2CBH) with a new 141,335 acfm Baghouse (RCCBH); (2) emission point RCC01 will be eliminated and replaced with a new emission point (RCC02); (3) additional dust collection points will be added to improve fugitive dust capture; (4) addition of two new cyclones prior to the new cold baghouse (R2CY1 and R2CY2); (5) addition of a pre-shredder (R2PRE) to shred dense aluminum scrap. The throughput to Recycle 2 cold process will increase to 160,000 tons/year.

RC2HOT is an existing Emission Unit that will be modified as follows: (1) the afterburner will be operated at a constant temperature when processing scrap through the kiln, except when processing used beverage containers; (2) the flights in the delacquering kiln will be replaced to sustain heavier auto scrap; (3) the rated heat capacity on sidewell furnaces D and E will be increased from 15 mmBtu/hr to 20 mmBtu/hr, increasing the production capacity through these devices.

E-EMELT is an existing emission unit that will not be directly modified; however, the production increase through Recycle 2 will allow R-EMELT processes to cast apporoximately 25 kilotonne of additional sheet ingot. The increase will be accomplished by providing more molten metal support from Recycle 2, thereby allowing R-EMELT to process one additional batch per day. The increase in sheet ingot will offset some of the third party ingot purchases that are used to make up the shortfall between the onsite ingot supply and the Hot Mill production capacity. Emissions associated with the additional casting output have been included in the total emissions estimate for this project.

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: ELIZABETH A TRACY
615 ERIE BLVD WEST
SYRACUSE, NY 13204-2400

Authorized Signature: _____ Date: ___ / ___ / _____

## 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.

## LIST OF CONDITIONS

**DEC GENERAL CONDITIONS**
**General Provisions**
Facility Inspection by the Department
Relationship of this Permit to Other Department Orders and Determinations
Applications for permit renewals, modifcations and transfers
Permit modifications, suspensions or revocations by the Department
**Facility Level**
Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS

**DEC GENERAL CONDITIONS**
****** General Provisions ******
**For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.**
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**
**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**
**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 3: Applications for permit renewals, modifcations 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.

Item3.2:
The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

**Item 3.3**
Permits are transferrable with the approval of the department unless specifically prohibited by

the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

**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 7 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 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400

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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To:NOVELIS CORPORATION
448 CO RTE 1A
OSWEGO, NY 13126

Facility: NOVELIS CORPORATION
448 CO RTE 1A
OSWEGO, NY 13126-0028

Authorized Activity By Standard Industrial Classification Code:
3341 - SECONDARY NONFERROUS METALS
3353 - ALUMINUM SHEET PLATE & FOIL

Mod 0 Permit Effective Date: 12/20/2016 Permit Expiration Date: 12/19/2021

Mod 3 Permit Effective Date: 04/24/2017 Permit Expiration Date: 12/19/2021

**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**
**Facility Level**

1 6 NYCRR 200.6: Acceptable Ambient Air Quality
2 6 NYCRR 201-6.4 (a) (7): Fees
3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
6 6 NYCRR 201-6.4 (e): Compliance Certification
7 6 NYCRR 202-2.1: Compliance Certification
8 6 NYCRR 202-2.5: Recordkeeping requirements
9 6 NYCRR 215.2: Open Fires - Prohibitions
10 6 NYCRR 200.7: Maintenance of Equipment
11 6 NYCRR 201-1.7: Recycling and Salvage
12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
18 6 NYCRR 202-1.1: Required Emissions Tests
19 40 CFR Part 68: Accidental release provisions.
20 40CFR 82, Subpart F: Recycling and Emissions Reduction
3-1 6 NYCRR 200.6: Compliance Certification
21 6 NYCRR 200.7: Compliance Certification
22 6 NYCRR Subpart 201-6: Emission Unit Definition
23 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
3-2 6 NYCRR 201-6.4 (f): Compliance Certification
24 6 NYCRR 201-6.4 (f): Compliance Certification
25 6 NYCRR 201-6.4 (g): Non Applicable requirements
3-3 6 NYCRR Subpart 201-7: Facility Permissible Emissions
*26 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*27 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*28 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*29 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*30 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*31 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*32 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*33 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*34 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*36 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*37 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*38 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*39 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*40 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*41 6 NYCRR Subpart 201-7: Capping Monitoring Condition

*42 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*43 6 NYCRR Subpart 201-7: Capping Monitoring Condition
44 6 NYCRR Subpart 202-1: Compliance Certification
45 6 NYCRR 211.1: Air pollution prohibited
3-4 6 NYCRR 212-1.6 (a): Compliance Certification
46 6 NYCRR 212-1.6 (a): Compliance Certification
47 6 NYCRR 212-2.4 (a): Compliance Certification
48 6 NYCRR 212-2.4 (b): Compliance Certification
49 6 NYCRR 212-3.1 (a) (2): Compliance Certification
50 6 NYCRR 212-3.1 (a) (2): Compliance Certification
51 6 NYCRR 212-3.1 (a) (2): Compliance Certification
52 6 NYCRR 212-3.1 (a) (2): Compliance Certification
53 6 NYCRR 212-3.1 (a) (2): Compliance Certification
54 6 NYCRR 225-2.4 (b): Compliance Certification
55 6 NYCRR 227-1.3: Compliance Certification
56 6 NYCRR 227-2.4 (g): Compliance Certification
3-5 6 NYCRR 231-11.2 (c): Compliance Certification
57 40CFR 63, Subpart DDDDD: Compliance Certification
58 40CFR 63.1505(a), Subpart RRR: Compliance Certification
59 40CFR 63.1505(a), Subpart RRR: Compliance Certification
60 40CFR 63.1505(a), Subpart RRR: Compliance Certification
3-6 40CFR 63.1505(b), Subpart RRR: Compliance Certification
61 40CFR 63.1505(b), Subpart RRR: Compliance Certification
62 40CFR 63.1505(e), Subpart RRR: Compliance Certification
63 40CFR 63.1505(i), Subpart RRR: Compliance Certification
64 40CFR 63.1505(i), Subpart RRR: Compliance Certification
65 40CFR 63.1505(i), Subpart RRR: Compliance Certification
66 40CFR 63.1505(k), Subpart RRR: Compliance Certification
67 40CFR 63.1505(k), Subpart RRR: Compliance Certification
68 40CFR 63.1505(k), Subpart RRR: Compliance Certification
3-7 40CFR 63.1506(b), Subpart RRR: Compliance Certification
69 40CFR 63.1506(b), Subpart RRR: Compliance Certification
3-8 40CFR 63.1506(c), Subpart RRR: Compliance Certification
70 40CFR 63.1506(c), Subpart RRR: Compliance Certification
3-9 40CFR 63.1506(d), Subpart RRR: Compliance Certification
71 40CFR 63.1506(d), Subpart RRR: Compliance Certification
3-10 40CFR 63.1506(e), Subpart RRR: Compliance Certification
72 40CFR 63.1506(e), Subpart RRR: Compliance Certification
73 40CFR 63.1506(g), Subpart RRR: Compliance Certification
74 40CFR 63.1506(m), Subpart RRR: Compliance Certification
75 40CFR 63.1506(n), Subpart RRR: Compliance Certification
3-11 40CFR 63.1506(p), Subpart RRR: Compliance Certification
76 40CFR 63.1506(p), Subpart RRR: Compliance Certification
3-12 40CFR 63.1510(b), Subpart RRR: Compliance Certification
77 40CFR 63.1510(b), Subpart RRR: Compliance Certification
3-13 40CFR 63.1510(f), Subpart RRR: Compliance Certification
78 40CFR 63.1510(f), Subpart RRR: Compliance Certification
79 40CFR 63.1510(g), Subpart RRR: Compliance Certification
80 40CFR 63.1510(h), Subpart RRR: Compliance Certification
81 40CFR 63.1510(i), Subpart RRR: Compliance Certification
82 40CFR 63.1510(j), Subpart RRR: Compliance Certification
83 40CFR 63.1510(n), Subpart RRR: Compliance Certification

84 40CFR 63.1510(o), Subpart RRR: Compliance Certification
85 40CFR 63.1510(q), Subpart RRR: Compliance Certification
86 40CFR 63.1510(t), Subpart RRR: Compliance Certification
3-14 40CFR 63.1511, Subpart RRR: Compliance Certification
87 40CFR 63.1511, Subpart RRR: Compliance Certification
3-15 40CFR 63.1512, Subpart RRR: Compliance Certification
88 40CFR 63.1512, Subpart RRR: Compliance Certification
3-16 40CFR 63.1513, Subpart RRR: Compliance Certification
89 40CFR 63.1513, Subpart RRR: Compliance Certification
90 40CFR 63.1514, Subpart RRR: Compliance Certification
91 40CFR 63.1515(b), Subpart RRR: Compliance Certification
3-17 40CFR 63.1516, Subpart RRR: Compliance Certification
92 40CFR 63.1516, Subpart RRR: Compliance Certification
3-18 40CFR 63.1517, Subpart RRR: Compliance Certification
93 40CFR 63.1517, Subpart RRR: Compliance Certification
94 40CFR 63.1518, Subpart RRR: Compliance Certification

**Emission Unit Level**

95 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
96 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
97 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
98 6 NYCRR Subpart 201-7: Process Permissible Emissions

**EU=0-000CL,Proc=SDR**

99 40CFR 63, Subpart RRR: Compliance Certification

**EU=0-00RC1**

*100 6 NYCRR Subpart 201-7: Capping Monitoring Condition

**EU=0-00RC1,Proc=RC1**

*101 6 NYCRR Subpart 201-7: Capping Monitoring Condition

**EU=R-C2HOT**

*102 6 NYCRR Subpart 201-7: Capping Monitoring Condition

**EU=T-UMBL1**

*103 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*104 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*105 6 NYCRR Subpart 201-7: Capping Monitoring Condition

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

106 ECL 19-0301: Contaminant List
107 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
108 6 NYCRR 211.2: Visible Emissions Limited
3-19 6 NYCRR 212-2.1: Compliance Demonstration

NOTE: * preceding the condition number indicates capping.

**FEDERALLY ENFORCEABLE CONDITIONS**
****** 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 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;

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 therequirement is later than the date on which the permit is due to expire, unless the original permit or any ofits 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.

**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 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 1.1:**
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where

contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2:** **Fees**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 2.1:**
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

**Condition 3:** **Recordkeeping and Reporting of Compliance Monitoring**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 3.1:**
The following information must be included in any required compliance monitoring records and reports:

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

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

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

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

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

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

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

**Condition 4:** **Records of Monitoring, Sampling, and Measurement**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 4.1:**
Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all

reports required by the permit.

**Condition 5:** **Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 5.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements,

the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting 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.

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 6:** **Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

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

**Item 6.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

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

Chief – 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
NYSDEC Region 7 Headquarters
615 Erie Boulevard, West
Syracuse, NY 13204-2400

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 1/30/2017.
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 202-2.1**

**Item 7.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**
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.

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

**Condition 8: Recordkeeping requirements**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 202-2.5**

**Item 8.1:**
(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 9: Open Fires - Prohibitions**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 9.1:**
Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

**Item 9.2**
Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:
(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
(i) Prescribed burns performed according to Part 194 of this Title.
(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

**The following federally enforceable permit conditions are mandatory for all**

**Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Maintenance of Equipment**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 11: Recycling and Salvage**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 11.1:**
Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 12.1:**
No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Condition 13: Exempt Sources - Proof of Eligibility**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 13.1:**
The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

**Condition 14: Trivial Sources - Proof of Eligibility**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 14.1:**
The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

**Condition 15: Requirement to Provide Information**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 15.1:**
The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

**Condition 16: Right to Inspect**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 16.1:**
The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

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

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

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

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

**Condition 17: Off Permit Changes**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 17.1:**
No permit revision will be required for operating changes that contravene an express permit 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 18: Required Emissions Tests**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 18.1:**
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 12/20/2016 and 12/19/2021**

**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:

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 12/20/2016 and 12/19/2021**

**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 3-1: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 3-1.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 3-1.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. No later than 1 year from the effective date of this permit, the owner or operator shall submit to the DEC a protocol for modeling emissions of NOx from the facility to assess whether predicted ambient impacts are compliant with the NO2 National Ambient Air Quality Standards.

2. No later than 90 days after DEC approval of such protocol, the owner or operator shall submit to the DEC a report of predicted ambient impacts of NO2.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 21: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 21.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-000CL
Process: CL1 Emission Source: C1RLB

Emission Unit: 0-000CL
Process: CL1 Emission Source: RLB1P

Emission Unit: 0-000CL
Process: CL2 Emission Source: C2RLB

Emission Unit: 0-000CL
Process: CL2 Emission Source: RLB2P

Emission Unit: 0-000CL
Process: CL3 Emission Source: C3RLB

Emission Unit: 0-000CL
Process: CL3 Emission Source: RLB3P

**Item 21.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
This condition is applicable to each reluber on each finishing line.

The demister associated with the reluber operations on each finishing line must be operating while any of the reluber emission source is operating on that particular line.

Monitoring Frequency: CONTINUOUS
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 22: Emission Unit Definition**

**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 22.1(From Mod 3):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-00DC7
Emission Unit Description:
The 0-00DC7 emission unit consists of two (2) melting furnaces and two (2) in-line fluxers for the processing of aluminum scrap and molten aluminum.
The SMACT defines melting/holding furnace as "a group 1 furnace that processes only clean charge, performs melting, holding, and fluxing functions, and does not transfer molten aluminum to or from another furnace except for purposes of alloy changes, off-specification product drains, or maintenance activities." Furnaces under this definition are subject to a limit of 0.80 pounds PM per ton, double the limit that other group 1 furnaces must meet. The melters and holders 4, 5 and 6 at Novelis are Group 1 furnaces subject to a limit of 0.40 lb PM/ton because they can process other than clean charge.

Building(s): RECYCLE 2

**Item 22.2(From Mod 3):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-00RC1
Emission Unit Description:
This is an aluminum scrap melting process consisting of two, sidewell melting furnaces fueled by oil and/or natural gas, and scrap handling, shipping/receiving, and molten metal handling equipment. Various maintenance, testing and office facilities are also included in this emission unit. The aluminum scrap melted in the two sidewell furnaces may contain small quantities of oil or lacquer coatings. Emissions from the furnace side-well melting systems are collected by a ventilation system consisting of hoods, enclosures, ductwork, fan and baghouse. This emission unit includes emission points NR1F0, NR1F1, NR1G0, NR1G1, 00R21. Sources 0RC1F and 0RC1G associated with emission points NR1F0 and NR1G0 are equipped with bloom 1150-150 ultra 3 low NOx lumiflame regenerative burners in fulfillment of RACT requirements. Emission tests of these burners as installed by the manufacturer confirmed NOx emissions of 0.045 lb/mmBTU for natural gas and 0.052 lb/mmBTU for oil.

Building(s): RECYCLE 1

**Item 22.3(From Mod 3):**
The facility is authorized to perform regulated processes under this permit for:

Emission Unit: R-C2CLD
Emission Unit Description:
This is an aluminum scrap shredding and separation process consisting of a pre-shredder (proposed), a primary shredder, a bale breaker, rotary shears, a trommel classifier, magnetic separators, air classifiers, screens, conveyors, shipping/receiving, and storage hoppers. Various maintenance, testing and offices are also included in this emission unit. Particulate emissions from this emission unit are collected by a ventilation system consisting of hoods, enclosures, ductwork, fan, 2 cyclones (up stream of the baghouse) and baghouse. Emission point RCC02 is the only emission point in this emission unit. The RC2CLD and RC2HOT emission units were constructed simultaneously as a single project and emissions from both units were combined in assessing applicability of 6 NYCRR 231 and Federal PSD. Federally enforceable emission limits were established to maintain deminimis emission levels for the total emissions from both units.

Building(s): RECYCLE 2

**Item 22.4(From Mod 3):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: R-C2HOT
Emission Unit Description:
This is an aluminum scrap delacquering and melting process consisting of a rotary kiln, two sidewell aluminum furnaces and various material separation and handling systems. Various maintenance, testing and office facilities are also included in this emission unit. VOC emissions from the kiln are controlled by an afterburner and HCl emissions are controlled using a sodium bicarbonate injection system. Particulate emissions from this emission unit are collected by a ventilation system consisting of hoods, enclosures, ductwork, fan and baghouse. Emission points included in this emission unit are: RCH01, RCBP1, RCBP2 and RCBP3. RCBP1, RCBP2 and RCBP3 are emergency vents and exempt as defined by 6 NYCRR part 201-3.2, sources RC2FD and RC2FE (furnaces D and E) associated with emission point RCH01 are equipped with Bloom Gemini low NOx regenerative burners in fulfillment of RACT requirements. These burners were replaced with bloom 1151-200 ultra3 low NOx lumiflame regenerative burners in 1999 which further reduced NOx emissions. The maximum heat input to each burner/furnace is being increased from 15 to 20 mmBtu/hr with the 2017 modification. The RC2CLD and RC2HOT emission units were constructed simultaneously as a single project and emissions from both units were combined in assessing applicability of 6 NYCRR 231 and Federal PSD. Federally enforceable emission limits were established to maintain

deminimis emission levels for the total emissions from both units.

Building(s): RECYCLE 2

**Item 22.5(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-000CL
Emission Unit Description:
This Emission Unit consists of three aluminum finishing lines designed to meet product specifications. The operations involved in each line include: annealing, surface preparation, other mechanical processes and numerous small combustion devices that would otherwise be exempt.

Building(s): CL

**Item 22.6(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-GWATR
Emission Unit Description:
THIS UNIT CONSISTS OF A 400 CFM AIR STRIPPER ASSOCIATED WITH A GROUNDWATER REMEDIATION SYSTEM. EMISSION POINT GW001 IS THE ONLY EMISSION POINT IN THIS UNIT.

Building(s): INGOT PREP

**Item 22.7(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-RMSOW
Emission Unit Description:
This furnace is designed to melt clean charge. A conveyor will be used to load aluminum, and a trough will be used to transfer molten aluminum to a crucible or directly to a process. There will be productivity gains in Remelt.
The emissions associated with SOW1 are 18.5 tpy of NOx; the emissions increase related to the remelt was 13.2 tons per year. The total increase in emissions was, at the time, was projected to be 13.2 tpy less than de minimis. The SOWMS melter is a Group 2 furnace, with a projected NOx emission rate of 4.2 lb/hr. This project occurred in 2007.

Building(s): REMELT

**Item 22.8(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-SCALP
Emission Unit Description:

This emission unit consists of the ingot scalper chip storage and conveying system. This unit includes three storage silos controlled by two cyclones, also four screw conveyors and a chip bunker with individual cyclones controlled by a common baghouse.

Building(s): RECYCLE 2
REMELT

**Item 22.9(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 3-ANEAL
Emission Unit Description:
THIS EMISSION UNIT CONSISTS OF AN ELECTRIC ANNEALING FURNACE USED FOR TEMPERING COILED ALUMINUM SHEET.

Building(s): COLD MILL

**Item 22.10(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: C-OLD72
Emission Unit Description:
THIS PROCESS CONSISTS OF A 72" WIDE ALUMINUM COLD ROLLING MILL, ANNEALING FURNACES, SHEARS, TRIMMERS, TENSION LEVELERS, SLITTERS, LUBRICATION SYSTEMS, OIL FILTRATION AND DISTILLATION EQUIPMENT AND ASSOCIATED MATERIAL HANDLING AND PACKAGING SYSTEMS, AND SHIPPING/RECEIVING. VARIOUS MAINTENANCE, TESTING AND OFFICE FACILITIES ARE ALSO INCLUDED IN THIS EMISSION UNIT. IN THIS PROCESS COILED ALUMINUM SHEET IS ROLLED TO A REDUCED THICKNESS PRODUCING COILS OF ALUMINUM SHEET. THESE COILS ARE SUBSEQUENTLY PROCESSED THROUGH ANNEALING, TRIMM ING, SLITTING AND/OR LUBRICATING OPERATIONS PRIOR TO PACKAGING IN PREPARATION FOR SHIPMENT TO THE CUSTOMER. EMISSIONS FROM THE VARIOUS PROCESS OPERATIONS ARE BY VENTILATION SYSTEMS CONSISTING OF HOODS, ENCLOSURES, DUCTWORK FANS INERTIAL SEPARATORS AND/OR EXHAUST STACKS. EMISSION POINTS 0000A, 00QDA, 00QDD, AND 0ANL1 ARE INCLUDED IN THIS EMISSION UNIT. THIS EMISSION UNIT UTILIZES BACT FOR VOC EMISSIONS CONTROL AS DEMONSTRATED IN ALCAN'S 1994 VOC RACT PLAN WHICH WAS SUBMITTED TO, AND APPROVED BY, DEC. BASED ON THE RECEIPT OF A COMPLETENESS DETERMINATION FROM DEC ON ITS PHASE 1

APPLICATION BEFORE 4/22/98, THE REQUIREMENT FOR CAM PLAN FOR EMISSION POINT 0000A IS DEFERRED UNTIL TITLE V PERMIT RENEWAL.

This emission unit consists of a natural gas fired annealing furnace for tempering coiled aluminum sheets to customer specifications. Nitrogen will be supplied to the furnace from either an existing nitrogen plant or from one of the three Exogas generators. The emissions from the generators will be discharged directly into the annealing furnace.

Building(s): COLD MILL
VOC

**Item 22.11(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: C-OLD88
Emission Unit Description:
THIS PROCESS CONSISTS OF AN 88" WIDE ALUMINUM COLD ROLLING MILL, ANNEALING FURNACE, SHEARS, TRIMMERS, TENSION LEVELERS, SLITTERS, LUBRICATION SYSTEMS, OIL FILTRATION AND DISTILLATION EQUIPMENT AND ASSOCIATED MATERIAL HANDLING AND PACKAGING SYSTEMS, AND SHIPPING/RECEIVING. VARIOUS MAINTENANCE, TESTING AND OFFICE FACILITIES ARE ALSO INCLUDED IN THIS EMISSION UNIT. IN THIS PROCESS COILED ALUMINUM SHEET IS ROLLED TO A REDUCED THICKNESS PRODUCING COILS OF ALUMINUM SHEET. THESE COILS ARE SUBSEQUENTLY PROCESSED THROUGH ANNEALING, TRIMMING, SLITTING AND/OR LUBRICATING OPERATIONS PRIOR TO PACKAGING IN PREPARATION FOR SHIPMENT TO THE CUSTOMER. EMISSIONS FROM THE VARIOUS PROCESS OPERATIONS ARE BY VENTILATION SYSTEMS CONSISTING OF HOODS, ENCLOSURES, DUCTWORK, FANS INERTIAL SEPARATORS AND/OR EXHAUST STACKS. EMISSION POINTS OCM88, 00QDB AND 0ANL2 ARE INCLUDED IN THIS EMISSION UNIT. THIS EMISSION UNIT UTILIZES BACT FOR VOC EMISSIONS CONTROL AS DEMONSTRATED IN ALCAN'S 1994 VOC RACT PLAN WHICH WAS SUBMITTED TO, AND APPROVED BY, DEC. BASED ON THE RECEIPT OF A COMPLETENESS DETERMINATION FROM DEC ON ITS PHASE 1 APPLICATION BEFORE 4/22/98, THE REQUIREMENT FOR CAM PLAN FOR EMISSION POINT 0CM88 IS DEFERRED UNTIL TITLE V PERMIT RENEWAL.

This emission unit consists of a natural gas fired annealing furnace for tempering coiled aluminum sheets to customer specifications. Nitrogen will be supplied to the furnace from either an existing nitrogen plant or from one of the three Exogas generators. The emissions from the generators will be discharged directly into the annealing furnace.

Building(s): COLD MILL
VOC

**Item 22.12(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: D-ROSS1
Emission Unit Description:

THIS IS AN ALUMINUM DROSS COOLING, STORAGE AND HANDLING FACILITY. IN THIS OPERATION ALUMINUM DROSS CONTAINED IN METAL PANS IS COVERED WITH SALT OR INERT GAS TO MINIMIZE OXIDATION DURING COOLING. FOLLOWING COOLING THE DROSS IS TRANSFERRED TO TEMPORARY STORAGE BINS WHICH ARE SUBSEQUENTLY DUMPED INTO TRUCKS OR RAIL CARS FOR SHIPMENT TO OFF-SITE RECYCLING OPERATIONS. EMISSION POINT 0DCR3 IS THE ONLY EMISSION POINT IN THIS EMISSION UNIT.

Building(s): DROSS

**Item 22.13(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: F-INISH
Emission Unit Description:

This emission unit consists of a new tension leveler, with an associated cleaning station, a slitter for performing various shear cuts (e.g., length, width) to coiled aluminum sheets, and an automated packaging line that will package the coils prior to shipment.
The tension leveler consists of unwind and rewind segments, slitting equipment, and a cleaning station (TL3CS). The cleaning station consists of the application of a solvent within an enclosure controlled by a demister (TL3ME). Solvent applied to the aluminum sheet is drawn through an impinger, aluminum mesh filters, and Vee bag filters before being exhausted inside the building. Scrap from the tension leveler is controlled via a quickdraft (TL3QD) system and collected in scrap boxes inside the Cold Mill building.

Building(s): COLD MILL

**Item 22.14(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: H-OTMIL
Emission Unit Description:
THIS PROCESS CONSISTS OF A MULTI-STAND ALUMINUM HOT ROLLING MILL, SHEARS, TRIMMERS, OIL FILTRATION AND TREATMENT, ULTRAFILTRATION AND ASSOCIATED MATERIAL HANDLING AND PACKAGING SYSTEMS, AND SHIPPING/RECEIVING. VARIOUS MAINTENANCE, TESTING AND OFFICE FACILITIES ARE ALSO INCLUDED IN THIS EMISSION UNIT. IN THIS PROCESS ALUMINUM INGOTS ARE ROLLED INTO ALUMINUM SHEET. EMISSIONS FROM THE VARIOUS PROCESS OPERATIONS ARE BY VENTILATION SYSTEMS CONSISTING OF HOODS, ENCLOSURES, DUCTWORK, FANS INERTIAL SEPARATORS AND/OR EXHAUST STACKS. EMISSION POINTS 00HMS, HM105, HM106, HM121, HM122 AND HM123 ARE INCLUDED IN THIS EMISSION UNIT. EMISSION POINTS HM105 AND HM106 ARE SUBJECT TO 6 NYCRR 212 VOC RACT REQUIREMENTS. THE FACILITY'S PROCESS SPECIFIC RACT DEMONSTRATION FOR THESE EMISSION POINTS WAS REVIEWED AND APROVED BY DEC IN JANUARY 1996 AND JANUARY 2007.

Building(s): CMAINT
HOT MILL
MOFFICE

**Item 22.15(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: I-NPREP
Emission Unit Description:
THIS PROCESS CONSISTS OF SCALPER (MILLING) MACHINES AND ASSOCIATED ALUMINUM CHIP HANDLING SYSTEMS WHICH MACHINE SURFACES OF ALUMINUM INGOTS IN PREPARATION FOR HOT ROLLING. THE PROCESS ALSO INCLUDES SEVERAL NATURAL GAS OR PROPANE FUELED HOMOGENIZING FURNACES UTILIZED TO PREHEAT AND CONDITION ALUMINUM INGOTS PRIOR TO HOT ROLLING, AND SHIPPING/RECEIVING. VARIOUS MAINTENANCE AND OFFICE FACILITIES ARE ALSO INCLUDED IN THIS EMISSION UNIT. THE FOLLOWING EMISSION POINTS ARE INCLUDED IN THIS EMISSION UNIT: P0102, P0304, P0506, P0708, P0910, P1112, P1314, P1516, P1718, P1920, P2122, AND

PUSH1.

Building(s): INGOT PREP
REMELT

**Item 22.16(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: N-PUSHR
Emission Unit Description:
New Pusher furnace (PUSH2) for preheating ingots prior to rolling.

Building(s): INGOT PREP

**Item 22.17(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: R-EMELT
Emission Unit Description:
THIS IS AN ALUMINUM SCRAP MELTING AND CASTING FACILITY CONSISTING OF SEVERAL ALUMINUM SCRAP MELTING FURNACES, HOLDING FURNACES, MOLTEN METAL TREATMENT EQUIPMENT, MATERIAL HANDLING FACILITIES AND DIRECT-CHILL CASTING PITS. THESE FURNACES ARE FUELED BY OIL AND/OR NATURAL GAS. VARIOUS COOLING WATER SUPPLY AND TREATMENT SYSTEMS ARE ALSO ASSOCIATED WITH THIS UNIT, AND SHIPPING/RECEIVING. VARIOUS MAINTENANCE, TESTING AND OFFICE FACILITIES ARE ALSO INCLUDED IN THIS EMISSION UNIT. ALUMINUM SCRAP AND MOLTEN ALUMINUM ARE TRANSFERRED INTO THESE FURNACES. VARIOUS ALLOYING METALS ARE ADDED TO ADJUST THE COMPOSITION OF THE MOLTEN METAL. VARIOUS METAL TREATMENT OPERATIONS INCLUDING SALT AND/OR CHLORINE FLUXING, FILTRATION AND DEGASSING ARE CONDUCTED PRIOR TO CASTING THE METAL INTO ALUMINUM INGOTS. THIS UNIT IS COVERED UNDER A FEDERAL HAP EARLY REDUCTIONS PROGRAM TITLE V PERMIT NO. ERP-NY-0001. THIS UNIT INCLUDES EMISSION POINTS 00FH3, 00FH4, 00FH5, 00FM3, 00FM4, 00FM5 AND 00FM6. ALSO INCLUDED ARE THE FOLLOWING EMISSION POINTS THAT WERE PHYSICALLY REMOVED IN 1992: 00FH1, 00FH2, 00FM1 AND 00FM2. IN SATISFACTION OF RACT REQUIREMENTS THE FOLLOWING SOURCES ARE EQUIPPED WITH LOW NOX BURNERS: RMFM3 - NORTH AMERICAN 6385-12, RMFM4 - BLOOM 2-15-1-024 HOT AIR BURNERS, RMFM5 - BLOOM S-1501-024 HOT AIR BURNERS.

Building(s): CHLORINE
L FILTER
LAKE PUMP
REMELT

**Item 22.18(From Mod 0):**
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: T-UMBL1
Emission Unit Description:
This emission unit consists of a dross tumbler. The dross tumbler is used to tumble/screen skimmed and cooled dross. The product of the dross tumbler will be recycled dross in various sizes that will be reused in the melters and furnaces. The emissions generated by the dross tumbler will be directed to the existing dross baghouse (the baghouse is listed in the current Title V permit under the D-ROSS1 emission unit and identified as emission source DROS1 exhausting through emission point 0DCR3).

Building(s): DROSS

**Condition 23: Progress Reports Due Semiannually**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 23.1:**
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 3-2: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

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

**Item 3-2.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 3-2.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Operational Flexibility Protocol - New Construction of

general process emission sources; modifications to existing sources

The owner or operator may install a new general process air contamination source or modify an existing general process emission source without modifying the permit,, provided that criteria pollutants, hazardous air pollutants, and pollutants emitted from such device for which an annual guideline concentration (AGC) and/or short term guideline concentration (SGC) exist, meet all of the following conditions:

1. The device will not result in the emission of any A-rated contaminant with an emission rate potential equal to or greater than 0.1 pound/hr.

2. The device will not result in the emission of any non-VOC contaminant, not given an A-rating, with an emission rate potential equal to or greater than 10 pounds/hr.

3. The device shall not emit particulate matter in excess of 0.05 gr/dscf. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

4. The device shall not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater, except only the emission of uncombined water. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

5. The owner or operator must identify all potential pollutants that could be emitted, including A-rated contaminants, hazardous air pollutants, High Toxicity Air Contaminants, VOCs, and non-VOC pollutants. For this facility, A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminants that may be A-rated by the Department. All other pollutants are B-rated, unless otherwise rated by the Department.

6. A facility-wide DAR-1 analysis must show that there are no predicted off-site ambient concentrations in excess of the AGC or SGC for each contaminant. This analysis shall include all emissions of such pollutant, facility-wide. The owner or operator shall maintain the results of all DAR-1 analyses on-site for a period of at least five years.

7. If the installation results in the emission of any pollutant not previously authorized or emitted at this site in accordance with this permit, the owner or operator shall submit to the DEC a notice of the intention to install the new air contamination source. Such notice shall be submitted no later than 30 days prior to the proposed
installation.

8. When a new emission point, emission source and/or process is proposed to be added, the owner or operator must submit to DEC an application using the format prescribed by DEC (on forms available from the DEC).

9. The DEC reserves the right to require a permit modification to impose special conditions if DEC determines the proposed change may have a significant air quality impact. In such cases, upon receipt of any notice submitted by the owner or operator to the DEC as required in this permit, the DEC will respond within 15 days of receipt of such notice, and may require that the owner not undertake the proposed change without a permit modification.

10. No facility-wide emissions cap, stated in this permit, shall be exceeded;

11. The installation does not render the facility subject to any additional regulations or requirements; and

12. A summary of all activities conducted under this operational flexibility condition shall be reported to the DEC in the facility's annual capping report required pursuant to 6 NYCRR 201-7. The annual compliance certifications shall also (1) include compliance certifications for all devices added pursuant to this condition since permit issuance; (2) include a statement that records are maintained on site documenting that exempt and trivial emissions sources continue to satisfy the criteria of 6 NYCRR 201-3.2 and 3.3, and (3) identify any new equipment that was installed without a permit that was not exempt pursuant to 6 NYCRR 201-3.2 or 3.3 and did not comply with the operational flexibility terms of this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due every 12 calendar month(s).

**Condition 24: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 24.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Operational Flexibility Protocol - New Construction of general process emission sources; modifications to existing sources

The owner or operator may install a new general process air contamination source, provided that criteria pollutants, hazardous air pollutants, and pollutants emitted from such device for which an annual guideline concentration (AGC) and/or short term guideline concentration (SGC) exist, meet all of the following conditions:

1. The device will not result in the emission of any A-rated contaminant with an emission rate potential equal to or greater than 0.1 pound/hr.

2. The device will not result in the emission of any non-VOC contaminant, not given an A-rating, with an emission rate potential equal to or greater than 10 pounds/hr.

3. The device shall not emit particulate matter in excess of 0.05 gr/dscf. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

4. The device shall not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater, except only the emission of uncombined water. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.

5. The owner or operator must identify all potential pollutants that could be emitted, including A-rated contaminants, hazardous air pollutants, High Toxicity Air Contaminants, VOCs, and non-VOC pollutants. For this facility, A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most

recent DAR-1 (Air Guide 1) guidance document, and any other contaminants that may be A-rated by the Department. All other pollutants are B-rated, unless otherwise rated by the Department.

6. A facility-wide DAR-1 analysis must show that there are no predicted off-site ambient concentrations in excess of the AGC or SGC for each contaminant. This analysis shall include all emissions of such pollutant, facility-wide. The owner or operator shall maintain the results of all DAR-1 analyses on-site for a period of at least five years.

7. If the installation results in the emission of any pollutant not previously authorized or emitted at this site in accordance with this permit, the owner or operator shall submit to the DEC a notice of the intention to install the new air contamination source. Such notice shall be submitted no later than 30 days prior to the proposed
installation.

8. When a new emission point, emission source and/or process is proposed to be added, the owner or operator must submit to DEC an application using the format prescribed by DEC (on forms available from the DEC).

9. The DEC reserves the right to require a permit modification to impose special conditions if DEC determines the proposed change may have a significant air quality impact. In such cases, upon receipt of any notice submitted by the owner or operator to the DEC as required in this permit, the DEC will respond within 15 days of receipt of such notice, and may require that the owner not undertake the proposed change without a permit modification.

10. No facility-wide emissions cap, stated in this permit, shall be exceeded;

11. The installation does not render the facility subject to any additional regulations or requirements; and

12. A summary of all activities conducted under this operational flexibility condition shall be reported to the DEC in the facility's annual capping report required pursuant to 6 NYCRR 201-7. The annual compliance certifications shall also (1) include compliance certifications for all devices added pursuant to this condition since permit issuance; (2) include a statement that records are maintained on site documenting that exempt and trivial emissions sources continue to satisfy

the criteria of 6 NYCRR 201-3.2 and 3.3, and (3) identify any new equipment that was installed without a permit that was not exempt pursuant to 6 NYCRR 201-3.2 or 3.3 and did not comply with the operational flexibility terms of this condition.

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

**Condition 25: Non Applicable requirements**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (g)**

**Item 25.1:**
This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

**Condition 3-3: Facility Permissible Emissions**
**Effective between the dates of 04/24/2017 and 12/19/2021**

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

**Item 3-3.1:**
The sum of emissions from the emission units specified in this permit shall not equal or exceed the following
Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY075-00-0 (From Mod 3) PTE: 270 pounds per year
Name: PARTICULATES

**Condition 26: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 26.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-8

**Item 26.2:**

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

**Item 26.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 26.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 26.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 26.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-000CL

Regulated Contaminant(s):
CAS No: 068188-85-2 FLUORIDES

**Item 26.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
This condition is applicable if Novelis begins using fluoride containing chemicals in its CASH line process.

1. Emissions of fluorides from the CASH Lines (including all associated equipment, such as hot water generators) and pusher furnace No. 2 shall not exceed 2.9 tons in any 12 consecutive calendar month period.

2. No later than 270 days after converting to a fluoride containing chemical on any of the CASH finishing lines, the owner or operator shall submit to the Department a report detailing the results of fluoride emissions testing

conducted on one or more scrubber associated with the CASH lines. Testing shall be conducted in accordance with a protocol approved by the Department.

3. Emissions of fluorides from the scrubbers associated with the CASH lines shall be computed using site-specific emission factors derived from the most recent stack test, as approved by the Department. The emission factor may be based on scrubber efficiency. Emissions from fuel combustion devices shall be computed based on Department-approved emission factors. A single emission factor (such as pounds per year) may be used for all combustion devices.

4. Emissions of fluoride shall not cause a predicted ambient impact in excess of the Department's Annual Guideline Concentration or Short Term Guideline Concentration.

5. Emissions of fluoride must comply with 6 NYCRR Part 212-2.3(b), Table 4 for A-rated contaminants.

6. No later than 180 days after first using a fluoride-containing raw material, the owner or operator shall submit to the Department a permit application for incorporation of emission limits to insure compliance with the annual fluoride emissions cap. An application is not required if the applicant can demonstrate that unfettered emissions of fluorides are less than 1.0 ton per year.

7. The owner or operator, on an annual basis, or no later than 30 days after becoming aware that emissions have exceeded the threshold stated in this condition, shall state whether he or she has complied with this requirement.

Parameter Monitored: FLUORIDES
Upper Permit Limit: 2.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

**Condition 27: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 27.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-8

**Item 27.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 27.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 27.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 27.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 27.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-000CL

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

**Item 27.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Should any piece of particulate matter control equipment, associated with this project, not be operating for any reason; an evaluation of the uncontrolled emissions must

be conducted to ensure emissions from the project do not or will not equal or exceed the significance level of 25 tons per year of particulate matter on a 12-month rolling basis. The evaluation must be conducted within 2 business days of discovering such control equipment is not operating. Any exceedance of this level must be reported to the Department within 2 business days of discovering the exceedance. Evaluations conducted that do not result in an exceedance shall be reported in the facility's semi-annual monitoring report and annual compliance certification.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 24.9 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 28: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 28.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-8

**Item 28.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 28.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 28.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 28.5:**

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

**Item 28.6:**
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

**Item 28.7:**
Compliance Certification shall include the following monitoring:

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

1. Emissions of carbon monoxide from the CASH Lines (including all associated equipment, such as hot water generators), pusher furnace No. 2 and the two scrap dryers shall not exceed 99 tons in any 12 consecutive calendar month period.

2. The owner or operator shall measure and record the amount of natural gas combusted in each device associated with the CASH lines, pusher furnace No. 2 and the scrap dryers. The owner and operator shall record fuel use on a daily basis.

3. No later than 180 days after commencing operation of pusher furnace No. 2, the owner or operator shall submit to the Department a report detailing the results of CO emissions testing conducted on the CASH lines annealing furnaces and pusher furnace No. 2. Testing shall be conducted in accordance with a protocol approved by the Department.

4. Emissions of CO from the CASH lines and pusher furnace No. 2 shall be computed using site-specific emission factors derived from the most recent stack test, as approved by the Department. Emissions from all other fuel combustion devices shall be computed using Department-approved emission factors (such as vendor guarantees, EPA-published emission factors or site-specific emission factors).

5. No later than 180 days after commencing operation of pusher furnace No. 2, the owner or operator shall submit to the Department a permit application for incorporation of emission limits and fuel or process monitoring requirements to insure compliance with the annual CO emissions cap. An application is not required if the

applicant can demonstrate that unfettered emissions of CO are less than 80 tons per year.

6. The owner or operator, on an annual basis, or no later than 30 days after becoming aware that emissions have exceeded the threshold stated in this condition, shall state whether he or she has complied with this requirement.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 99 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

**Condition 29: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 29.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-8

**Item 29.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 29.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 29.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 29.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 29.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-000CL

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 29.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Should any piece of PM-10 control equipment, associated with this project, not be operating for any reason; an evaluation of the uncontrolled emissions must be conducted to ensure emissions from the project do not or will not equal or exceed the significance level of 15 tons per year of PM-10 on a 12-month rolling basis. The evaluation must be conducted within 2 business days of discovering such control equipment is not operating. Any exceedance of this level must be reported to the Department within 2 business days of discovering the exceedance. Evaluations conducted that do not result in an exceedance shall be reported in the facility's semi-annual monitoring report and annual compliance certification.

Parameter Monitored: PM-10
Upper Permit Limit: 14.9 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 30: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 30.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-8

**Item 30.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 30.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 30.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 30.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 30.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-000CL

Regulated Contaminant(s):
CAS No: 0NY075-02-5 PM 2.5

**Item 30.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Should any piece of PM 2.5 control equipment, associated with this project, not be operating for any reason; an evaluation of the uncontrolled emissions must be conducted to ensure emissions from the project do not or will not equal or exceed the significance level of 10 tons per year of PM 2.5 on a 12-month rolling basis. The evaluation must be conducted within 2 business days of discovering such control equipment is not operating. Any exceedance of this level must be reported to the Department within 2 business

days of discovering the exceedance. Evaluations conducted that do not result in an exceedance shall be reported in the facility's semi-annual monitoring report and annual compliance certification.

Parameter Monitored: PM 2.5
Upper Permit Limit: 9.9 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 31: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 31.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-6
6 NYCRR Subpart 231-8

**Item 31.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 31.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 31.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 31.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 31.6:**
The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-000CL

Emission Unit: N-PUSHR
Process: PF2 Emission Source: PUSH2

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

**Item 31.7:**
Compliance Certification shall include the following monitoring:

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

1. Emissions of NOx from the CASH Lines (including all associated equipment, such as hot water generators), pusher furnace No. 2 and the two scrap dryers shall not exceed 39 tons in any 12 consecutive calendar month period.

2. The owner or operator shall measure and record the amount of natural gas combusted in each device associated with the CASH lines, pusher furnace No. 2 and the scrap dryers. The owner and operator shall record fuel use on a daily basis.

3. No later than 180 days after commencing operation of pusher furnace No. 2, the owner or operator shall submit to the Department a report detailing the results of NOx emissions testing conducted on pusher furnace No. 2. Testing shall be conducted in accordance with a protocol approved by the Department.

4. Emissions of NOx from the CASH lines, pusher furnace No. 2 and the scrap dryers shall be computed using site-specific emission factors derived from the most recent stack test, as approved by the Department. Emissions from all other fuel combustion devices shall be computed using Department-approved emission factors (such as vendor guarantees, EPA-published emission factors or site-specific emission factors).

5. No later than 180 days after commencing operation of pusher furnace No. 2, the owner or operator shall submit to the Department a permit application for incorporation of emission limits and fuel or process monitoring requirements to insure compliance with the annual NOx emissions cap.

6. The owner or operator, on an annual basis, or no later than 30 days after becoming aware that emissions have exceeded the threshold stated in this condition, shall state whether he or she has complied with this requirement.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 39 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

**Condition 32: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 32.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-8

**Item 32.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 32.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 32.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 32.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement,

for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 32.6:**
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007664-93-9 SULFURIC ACID

**Item 32.7:**
Compliance Certification shall include the following monitoring:

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

1. Emissions of sulfuric acid mist from the CASH Lines (including all associated equipment, such as hot water generators) and pusher furnace No. 2 shall not exceed 6.9 tons in any 12 consecutive calendar month period.

2. The owner or operator shall measure and record the amount of sulfuric acid fed to each line on a daily basis.

3. No later than 180 days after commencing operation of Pusher 2 furnace, the effective date of this permit, the owner or operator shall submit to the Department a report detailing the results of sulfuric acid mist emissions testing conducted on one or more scrubber associated with the CASH lines. Testing shall be conducted in accordance with a protocol approved by the Department.

4. Emissions of sulfuric acid mist from the scrubbers associated with the CASH lines shall be computed using site-specific emission factors derived from the most recent stack test, as approved by the Department. The emission factor may be based on scrubber efficiency. Emissions from fuel combustion devices shall be computed based on Department-approved emission factors. A single emission factor (such as pounds per year) may be used for all combustion devices.

5. No later than 180 days after commencing operation of Pusher 2 furnace, the owner or operator shall submit to the Department a permit application for incorporation of emission limits to insure compliance with the annual sulfuric acid mist emissions cap. An application is not required if the applicant can demonstrate that unfettered emissions of sulfuric acid are less than 5.0 tons per year.

6. The owner or operator, on an annual basis, or no later than 30 days after becoming aware that emissions have exceeded the threshold stated in this condition, shall state whether he or she has complied with this requirement.

Parameter Monitored: SULFURIC ACID
Upper Permit Limit: 6.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

**Condition 33: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

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

6 NYCRR Subpart 231-8

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

**Item 33.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 33.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 33.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of

the Act.

**Item 33.6:**
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY075-02-5 PM 2.5

**Item 33.7:**
Compliance Certification shall include the following monitoring:

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

1. Emissions of PM2.5 from the CASH Lines (including all associated equipment, such as hot water generators), pusher furnace No. 2 and the two scrap dryers shall not exceed 9.9 tons in any 12 consecutive calendar month period.

2. The owner or operator shall measure and record the amount of natural gas combusted in each device associated with the CASH lines and pusher furnace 2. The owner and operator shall record fuel use on a daily basis.

3. The owner or operator shall measure and record the production rate of each scrap dryer on a daily basis.

4. No later than 180 days after commencing operation of pusher furnace No. 2, the owner or operator shall submit to the Department a report detailing the results of PM2.5 emissions testing conducted on the scrap dryers. Testing shall be conducted in accordance with a protocol approved by the Department.

5. Emissions of PM2.5 from the CASH lines, pusher furnace No. 2 and the scrap dyers shall be computed using site-specific emission factors derived from the most recent stack test, as approved by the Department, and Department-approved emission factors (such as vendor guarantees or EPA-published emission factors).

6. No later than 180 days after commencing operation of pusher furnace No. 2, the owner or operator shall submit to the Department a permit application for incorporation of emission limits and fuel or process monitoring requirements to insure compliance with the annual PM2.5 emissions cap. An application is not required if the applicant can demonstrate that unfettered emissions of PM2.5 are less than 8.5 tons per year.

7. The owner or operator, on an annual basis, or no later than 30 days after becoming aware that emissions have exceeded the threshold stated in this condition, shall state whether he or she has complied with this requirement.

Parameter Monitored: PM 2.5
Upper Permit Limit: 9.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

**Condition 34: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 34.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 34.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 34.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 34.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 34.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement,

for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 34.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT

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

**Item 34.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must maintain burners, associated with equipment involved in the Recycle 2 Hot process, in accordance with all manufacturers recommendations.

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 36: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 36.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 36.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 36.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 36.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 36.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 36.6:**
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 36.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Facility is limited to SO2 emissions of 414 tons per year on a 12 month rolling basis. Monthly usage of fuel oil and natural gas must be monitored. Calculation of SO2 emissions is based on 100% conversion of sulfur in fuel to SO2.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 414 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 37: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 37.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to

the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 37.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 37.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 37.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 37.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 37.6:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 37.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Facility NOx emissions limited to 325 tons per year on a monthly rolling basis. Monthly usage of fuel oil and natural gas must be monitored. Calculation of NOx emissions must be performed using emission factors approved by the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 325 tons per year

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 38: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 38.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 38.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 38.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 38.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 38.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 38.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT

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

**Item 38.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The delacquering kiln thermal afterburner must have a minimum residence time of 0.8 seconds. While scrap is being processed, the minimum exhaust temperature from the afterburner shall be 1550 degrees Fahrenheit. A lower temperature, as determined during 40CFR 63 Subpart RRR, may be accepted if a demonstration is made that the VOC 9.0 lb/hr, particulate 2.8 lb/hr, CO 22.8 lb/hr, NOx 9.0 lb/hr limits are met at the lower temperature. The exhaust temperature must be continuously monitored and recorded.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1550 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 39: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 39.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 39.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 39.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 39.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 39.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 39.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT

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

**Item 39.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The emission rate of particulates from the Recycle 2 Hot process shall not exceed 2.80 pounds per hour.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 2.80 pounds per hour
Reference Test Method: EPA Approved Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 40: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 40.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 40.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 40.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 40.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 40.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 40.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

**Item 40.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The emission rate of carbon monoxide from the Recycle 2 Hot process shall not exceed 22.8 pounds per hour.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 22.8 pounds per hour
Reference Test Method: EPA Approved Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 41: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 41.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 41.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 41.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 41.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 41.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 41.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT

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

**Item 41.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The emission rate of VOC from the Recycle 2 Hot process shall not exceed 9.0 pounds per hour.

This limit also meets non-applicability for 6NYCRR Part 231-2.

Parameter Monitored: VOC
Upper Permit Limit: 9.0 pounds per hour
Reference Test Method: EPA Approved Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 42: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 42.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 42.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 42.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 42.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 42.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 42.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT

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

**Item 42.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The emission rate of NOx from the Recycle 2 Hot process shall not exceed 9.0 pounds per hour.

This limit also meets non-applicability for 6NYCRR Part 231-2.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 9.0 pounds per hour
Reference Test Method: EPA Approved Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 43: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 43.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 43.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 43.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 43.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an

emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 43.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 43.6:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2CLD

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

**Item 43.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The emission rate of particulates from the Recycle 2 Cold process shall not exceed 0.46 pounds per hour.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.46 pounds per hour
Reference Test Method: EPA Approved Method
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 44: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR Subpart 202-1**

**Item 44.1:**
The Compliance Certification activity will be performed for the Facility.

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

**Item 44.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In addition to the performance testing already contained in this permit, the following sources shall be tested for NOx emissions in support of stated emission factors used in the permit appplication:

for finishing Lines 1, 2, and 3;
Annealing Furnaces
Reheaters
Hot water Generators

These tests shall be conducted within 180 days of the effective date of this permit.

Also;
The scrap dryers

These tests shall be conducted within 60 days of reaching full production or within 180 days of startup, whichever is sooner.

The Department may grant an alternative test schedule if a demonstration is made that testing in accordance with the above stated schedule would result in operating conditions that would not be representative of normal operations. An extension may also be granted if the Department finds there is a reasonable justification to coordinate the test with other required testing at the facility. The facility owners or operators must make such requests in writing at least 30 days prior to the date required to meet the above stated schedule.

For multiple similar sources, the Department may allow the test of a single source if a demonstration can be made that the source is representative of the group.

Testing and reporting shall be conducted in accordance with the provisions of 6 NYCRR Part 202-1. The Department reserves the right to require additional testing at any time.

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

**Condition 45: Air pollution prohibited**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 45.1:**
No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such

quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 3-4: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

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

**Item 3-4.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 3-4.2:**
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility operates numerous process emission sources (not on 6 NYCRR 212 Tables 5 or 6) that are subject to the particulate emission limit of Part 212. The sources identified above may not be inclusive of all sources at the facility that are subject to this condition.

1. No 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.

2. On a weekly basis, the owner or operator shall observe emissions from each process emission source emission point.

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

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

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

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

iii) If the operator observes any visible emissions (other than condensed water - see below), a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

** NOTE ** Condensed water plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is normally a distinctive distance between the plume and stack. Condensed water plumes are white in color and dissipate within a short distance of the stack and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 46: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 46.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-000CL
Process: CL1 Emission Source: C1CON

Emission Unit: 0-000CL
Process: CL1 Emission Source: C1CTR

Emission Unit: 0-000CL
Process: CL1 Emission Source: C1PCL

Emission Unit: 0-000CL
Process: CL1 Emission Source: C1TRM

Emission Unit: 0-000CL
Process: CL1 Emission Source: TRM1P

Emission Unit: 0-000CL
Process: CL2 Emission Source: C2CON

Emission Unit: 0-000CL
Process: CL2 Emission Source: C2CTR

Emission Unit: 0-000CL
Process: CL2 Emission Source: C2PCL

Emission Unit: 0-000CL
Process: CL2 Emission Source: C2TRM

Emission Unit: 0-000CL
Process: CL2 Emission Source: TRM2P

Emission Unit: 0-000CL
Process: CL3 Emission Source: C3CON

Emission Unit: 0-000CL
Process: CL3 Emission Source: C3CTR

Emission Unit: 0-000CL
Process: CL3 Emission Source: C3PCL

Emission Unit: 0-000CL
Process: CL3 Emission Source: C3TRM

Emission Unit: 0-000CL
Process: CL3 Emission Source: TRM3P

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720MT

Emission Unit: 0-00RC1
Process: 0BH Emission Source: RC1BH

Emission Unit: 0-00RC1
Process: MHF Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: MHG Emission Source: 0RC1G

Emission Unit: 0-SCALP
Process: SC1 Emission Source: 1SICY

Emission Unit: 0-SCALP
Process: SC1 Emission Source: 1SILO

Emission Unit: 0-SCALP
Process: SC1 Emission Source: 2SICY

Emission Unit: 0-SCALP
Process: SC1 Emission Source: 2SILO

Emission Unit: 0-SCALP
Process: SC2 Emission Source: BUCYC

Emission Unit: 0-SCALP
Process: SC2 Emission Source: CTBH1

Emission Unit: 0-SCALP
Process: SC2 Emission Source: D1CYC

Emission Unit: 0-SCALP
Process: SC2 Emission Source: D2CYC

Emission Unit: 0-SCALP
Process: SC2 Emission Source: E1CYC

Emission Unit: 0-SCALP
Process: SC2 Emission Source: E2CYC

Emission Unit: 0-SCALP

Process: SC2 Emission Source: SCONV

Emission Unit: 3-ANEAL
Process: 0F3 Emission Source: ANNL3

Emission Unit: C-OLD72
Process: C72 Emission Source: CECO7

Emission Unit: C-OLD72
Process: C72 Emission Source: CLD72

Emission Unit: C-OLD72
Process: C72 Emission Source: CMQDA

Emission Unit: C-OLD72
Process: C72 Emission Source: CMQDD

Emission Unit: C-OLD72
Process: C72 Emission Source: FINH1

Emission Unit: C-OLD72
Process: C72 Emission Source: FINS1

Emission Unit: C-OLD72
Process: C72 Emission Source: PRE72

Emission Unit: C-OLD72
Process: C72 Emission Source: SULZ7

Emission Unit: C-OLD88
Process: C88 Emission Source: CECO8

Emission Unit: C-OLD88
Process: C88 Emission Source: CLD88

Emission Unit: C-OLD88
Process: C88 Emission Source: CMQDB

Emission Unit: C-OLD88
Process: C88 Emission Source: FINS2

Emission Unit: C-OLD88
Process: C88 Emission Source: PRE88

Emission Unit: C-OLD88
Process: C88 Emission Source: SULZ8

Emission Unit: D-ROSS1
Process: DRS Emission Source: DHAND

Emission Unit: D-ROSS1
Process: DRS Emission Source: DROS1

Emission Unit: H-OTMIL
Process: HOT Emission Source: 0HMS1

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM100

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM10P

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM11P

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM120

Emission Unit: I-NPREP
Process: INP Emission Source: PUSH1

Emission Unit: I-NPREP
Process: INP Emission Source: SCALP

Emission Unit: I-NPREP
Process: INP Emission Source: SWCY1

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: GVENT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN6

**Item 46.2:**
Compliance Certification shall include the following monitoring:

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

The facility operates numerous process emission sources (not on 6 NYCRR 212 Tables 5 or 6) that are subject to the particulate emission limit of Part 212. The sources identified above may not be inclusive of all sources at the facility that are subject to this condition.

1. No 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.

2. On a weekly basis, the owner or operator shall observe

emissions from each process emission source emission point.

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

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

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

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

iii) If the operator observes any visible emissions (other than condensed water - see below), a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

** NOTE ** Condensed water plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is normally a distinctive distance between the plume and stack. Condensed water plumes are white in color and dissipate within a short distance of the stack and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: 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 47: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 47.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: C-OLD72
Process: C72 Emission Source: CMQDA

Emission Unit: C-OLD72
Process: C72 Emission Source: CMQDD

Emission Unit: C-OLD72
Process: C72 Emission Source: FINH1

Emission Unit: C-OLD72
Process: C72 Emission Source: FINS1

Emission Unit: C-OLD88
Process: C88 Emission Source: CMQDB

Emission Unit: C-OLD88
Process: C88 Emission Source: FINS2

Emission Unit: H-OTMIL
Process: HOT Emission Source: 0HMS1

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM120

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

**Item 47.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is applicable to emission sources for which an application was received by the Department prior to July 1, 1973.

The facility operates numerous process emission sources (not on 6 NYCRR 212 Tables 5 or 6) that are subject to the particulate emission limit of Part 212.

1. No owner or operator shall cause or allow emissions of particulate matter in excess of 0.15 grains per dry standard cubic feet.

2. Compliance shall be determined through emission testing using EPA Methods 1-5.

3. Compliance shall be performed at the request of the Department in accordance with a protocol approved by the Department and 6 NYCRR 202-1.

4. A report of the results of testing shall be submitted to the Department in accordance with 6 NYCRR 202-1.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.15 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: Arithmetic average of stack test runs
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 48: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 48.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-000CL
Process: CL1 Emission Source: C1TRM

Emission Unit: 0-000CL
Process: CL1 Emission Source: TRM1P

Emission Unit: 0-000CL
Process: CL2 Emission Source: C2TRM

Emission Unit: 0-000CL
Process: CL2 Emission Source: TRM2P

Emission Unit: 0-000CL
Process: CL3 Emission Source: C3TRM

Emission Unit: 0-000CL
Process: CL3 Emission Source: TRM3P

Emission Unit: 0-00DC7

Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720MT

Emission Unit: 0-00RC1
Process: 0BH Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: 0BH Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: 0BH Emission Source: RC1BH

Emission Unit: 0-SCALP
Process: SC1 Emission Source: 1SICY

Emission Unit: 0-SCALP
Process: SC1 Emission Source: 1SILO

Emission Unit: 0-SCALP
Process: SC1 Emission Source: 2SICY

Emission Unit: 0-SCALP
Process: SC1 Emission Source: 2SILO

Emission Unit: 0-SCALP
Process: SC2 Emission Source: BUCYC

Emission Unit: 0-SCALP
Process: SC2 Emission Source: CTBH1

Emission Unit: 0-SCALP
Process: SC2 Emission Source: D1CYC

Emission Unit: 0-SCALP
Process: SC2 Emission Source: D2CYC

Emission Unit: 0-SCALP
Process: SC2 Emission Source: E1CYC

Emission Unit: 0-SCALP
Process: SC2 Emission Source: E2CYC

Emission Unit: 0-SCALP
Process: SC2 Emission Source: SCONV

Emission Unit: C-OLD72
Process: C72 Emission Source: CECO7

Emission Unit: C-OLD72
Process: C72 Emission Source: CLD72

Emission Unit: C-OLD72
Process: C72 Emission Source: PRE72

Emission Unit: C-OLD72
Process: C72 Emission Source: SULZ7

Emission Unit: C-OLD88
Process: C88 Emission Source: CECO8

Emission Unit: C-OLD88
Process: C88 Emission Source: CLD88

Emission Unit: C-OLD88
Process: C88 Emission Source: PRE88

Emission Unit: C-OLD88
Process: C88 Emission Source: SULZ8

Emission Unit: D-ROSS1
Process: DRS Emission Source: DHAND

Emission Unit: D-ROSS1
Process: DRS Emission Source: DROS1

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM100

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM10P

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM11P

Emission Unit: I-NPREP
Process: INP Emission Source: PUSH1

Emission Unit: I-NPREP
Process: INP Emission Source: SCALP

Emission Unit: I-NPREP
Process: INP Emission Source: SWCY1

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: GVENT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH6

Emission Unit: R-EMELT

Process: RMT Emission Source: RMIN4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN6

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

**Item 48.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
This condition is applicable to emission sources for which an application was received by the Department after July 1, 1973.

The facility operates numerous process emission sources (not on 6 NYCRR 212 Tables 5 or 6) that are subject to the particulate emission limit of Part 212. The sources identified may not be inclusive of all sources at the facility that are subject to this condition.

1. No owner or operator shall cause or allow emissions of particulate matter in excess of 0.050 grains per dry standard cubic feet.

2. Compliance shall be determined through emission testing using EPA Methods 1-5.

3. Compliance shall be performed at the request of the Department in accordance with a protocol approved by the Department and 6 NYCRR 202-1.

4. A report of the results of testing shall be submitted to the Department in accordance with 6 NYCRR 202-1.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: Arithmetic average of stack test runs
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 49: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 212-3.1 (a) (2)**

**Item 49.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM100

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM120

**Item 49.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. No later than 180 days after the effective date of this permit, the owner or operator shall submit to the Department a list of facilities located in the United States, other than the Oswego, NY facility, owned in whole or in part by Novelis Inc that operates hot rolling mills. For each such location, the owner or operator shall provide

i) a description of the rolling mills, including the capacity and the lubricant or cooling oil used,

ii) a comparison of each mill to the mills at Oswego, in terms of function, design and process,

iii) a description of the control equipment used to reduce emissions,

iv) a photograph of the stack exhaust, while operating, taken from a position that is compliant with the location requirements of 40 CFR Part 60, Appendix A, Method 9, and

v) the actual emission rate from each stack.

2. No later than one year from the effective date of this permit, submit to the DEC an analysis to define Reasonably Available Control Technology from the 100 inch and 120 inch rolling mills.

3. No later than 180 days from the the submission of the RACT analysis in Item 2, and at any other time as directed by the Department, the owner shall conduct particulate emissions testing in accordance with a protocol approved by the Department and 6 NYCRR 202-1. No later than 60 days after completion of such tests, the owner or operator shall submit to the Department a report describing the

result of emissions testing.

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

**Condition 50: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 212-3.1 (a) (2)**

**Item 50.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM100

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM10P

Emission Unit: H-OTMIL
Process: HOT Emission Source: HM11P

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

**Item 50.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

1. The overall removal efficiency of VOC, from the 100" finishing mill, shall be no less than 73.5%.

2. VOC emissions from the 100 inch finishing mill shall not exceed 9 tons for each 12 month rolling period.

3. The owner or operator may choose to demonstrate whether the emission is a VOC or a particulate. If the Department concludes that the pollutant is not a VOC, the owner or operator may submit to the Department an application to modify this condition.

Parameter Monitored: VOC
Lower Permit Limit: 73.5 percent reduction by weight
Reference Test Method: Approved Methods
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 51: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 212-3.1 (a) (2)**

**Item 51.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-RMSOW
Process: SO1 Emission Source: SOWMS

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM6

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

**Item 51.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. No later than two years after the effective date of this permit, the source owner or operator must submit a NOx RACT compliance plan.

2. The analysis shall include quotes from at least three equipment vendors for the turn-key installation of emission controls on the re-melt furnace 6 (RMFM6) and the SOW melter (SOWMS).

3. No later than two years after subission of a NOx RACT compliance plan, the owner or operator shall implement the recommended NOx RACT plan.

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

**Condition 52: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 212-3.1 (a) (2)**

**Item 52.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: C-OLD72
Process: C72

Emission Unit: C-OLD88
Process: C88

Regulated Contaminant(s):
CAS No: 0NY090-00-0 OIL MIST
CAS No: 0NY998-00-0 VOC

**Item 52.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The following items apply to each emission control system associated with the 72" and 88" cold rolling mills:

1. The source owner or operator shall record, on a weekly basis, the amount of oil recovered by each pollution control system. In addition, the average hourly oil collection rate shall be determined monthly. The average hourly rate will be based on the number of operating hours during the month for each mill.

2. The owner or operator shall state, in the semi-annual report, whether the oil collection system operated properly throughout the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 53: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 212-3.1 (a) (2)**

**Item 53.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: C-OLD72
Process: C72 Emission Source: PRE72

Emission Unit: C-OLD88
Process: C88 Emission Source: PRE88

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

**Item 53.2:**
Compliance Certification shall include the following monitoring:

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

The following items apply to each emission control system associated with the 72" and 88" cold rolling mills:

1. The source owner or operator shall continuously monitor and record the condenser outlet temperature for each control system. The condenser outlet temperature shall not exceed 43 degrees Centigrade during rolling operations.

2. Any exceedance of the condenser outlet temperature limit for either control system during rolling operations, shall be reported to the Department, in writing, within 30 days of occurrence. Each report shall include the duration of the exceedance and corrective action taken to avoid recurrence.

3. A summary of the condenser outlet monitoring data shall be included in the facility's semi-annual monitoring report.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 43 degrees Centigrade (or Celsius)
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 54: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 225-2.4 (b)**

**Item 54.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 54.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Used oil fuel must meet the specifications of 6NYCRR Part 225-2.4(b), 40CFR 279.11, and 6NYCRR Part 374-2(b). Sampling, analysis, and record maintenance shall be performed in accordance with 6NYCRR Part 374-2.5(c). Data

demonstrating compliance shall be included in the facility's semi-annual monitoring report.

At a minimum, waste oil fuel generated on-site must analyzed monthly from a composite of weekly samples.

A supplier certification is required, per delivery, for any waste oil fuel received from off-site.

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 55: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 227-1.3**

**Item 55.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-000CL
Process: CL1 Emission Source: C1FCE

Emission Unit: 0-000CL
Process: CL2 Emission Source: C2FCE

Emission Unit: 0-000CL
Process: CL3 Emission Source: C3FCE

Emission Unit: 3-ANEAL
Process: 0F3 Emission Source: ANNL3

Emission Unit: C-OLD72
Process: C72 Emission Source: ANNL1

Emission Unit: C-OLD88
Process: C88 Emission Source: ANNL2

Emission Unit: I-NPREP
Process: INP Emission Source: PIT01

Emission Unit: I-NPREP
Process: INP Emission Source: PIT02

Emission Unit: I-NPREP
Process: INP Emission Source: PIT03

Emission Unit: I-NPREP
Process: INP Emission Source: PIT04

Emission Unit: I-NPREP
Process: INP Emission Source: PIT05

Emission Unit: I-NPREP
Process: INP Emission Source: PIT06

Emission Unit: I-NPREP
Process: INP Emission Source: PIT07

Emission Unit: I-NPREP
Process: INP Emission Source: PIT08

Emission Unit: I-NPREP
Process: INP Emission Source: PIT09

Emission Unit: I-NPREP
Process: INP Emission Source: PIT10

Emission Unit: I-NPREP
Process: INP Emission Source: PIT11

Emission Unit: I-NPREP
Process: INP Emission Source: PIT12

Emission Unit: I-NPREP
Process: INP Emission Source: PIT13

Emission Unit: I-NPREP
Process: INP Emission Source: PIT14

Emission Unit: I-NPREP
Process: INP Emission Source: PIT15

Emission Unit: I-NPREP
Process: INP Emission Source: PIT16

Emission Unit: I-NPREP
Process: INP Emission Source: PIT17

Emission Unit: I-NPREP
Process: INP Emission Source: PIT18

Emission Unit: I-NPREP
Process: INP Emission Source: PIT19

Emission Unit: I-NPREP
Process: INP Emission Source: PIT20

Emission Unit: I-NPREP

Process: INP Emission Source: PIT21

Emission Unit: I-NPREP
Process: INP Emission Source: PIT22

Emission Unit: I-NPREP
Process: INP Emission Source: PUSH1

Emission Unit: N-PUSHR
Process: PF2 Emission Source: PUSH2

**Item 55.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

"Combustion installation" is defined as an installation, consisting of a single furnace, device, engine or turbine in which fossil fuel and/or wood is burned with air or oxygen and the air contaminant emissions include only those products resulting from:

(1) combustion of the fuel;
(2) additives or impurities in the fuel; and
(3) material introduced for the purpose of altering air contaminant emissions.

The facility operates several stationary combustion installations. This rule applies to each such device. The list above may not be inclusive.

1. No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60. The Department reserves the right to perform or require the performance of a method 9 evaluation.

2. Compliance shall be determined through visible emissions observation using EPA Method 9. Observations shall be conducted when requested by the Department.

Note: more frequent monitoring is not warranted because the facility combusts clean burning natural gas.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 56: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (g)**

**Item 56.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-000CL

Emission Unit: I-NPREP
Process: INP Emission Source: PUSH1

Emission Unit: N-PUSHR
Process: PF2 Emission Source: PUSH2

**Item 56.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. No later than one year after the effective date of this permit, the owner and operator shall submit to the Department an analysis of NOx emission control systems for the pusher 1 furnace (PUSH1), pusher 2 furnace (PUSH2), and the CASH LIne annealing furnaces.

2. The analysis shall include quotes from at least three equipment vendors for the turn-key installation of selective catalytic reduction (SCR) on the pusher furnace exhaust. The vendors shall have experience in installing SCR on small flue gas installations, and shall include both ammonia and urea installations. The installation shall include temperature profiles and NOx emissions data from the pusher furnace.

3. No later than two years after submission of a NOx RACT compliance plan, the owner or operator shall implement the recommended NOx RACT plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 3-5: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

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

**Item 3-5.1:**
The Compliance Certification activity will be performed for the Facility.

**Item 3-5.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with clause 231-4.1(b)(41)(i)(c) of this Part are added and is less than the applicable significant project threshold, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part and is less than the applicable significant project threshold, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this Title, and must:

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

(i) a description of the modification.

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

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

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the

modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s); and

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

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

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

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

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due every 12 calendar month(s).

**Condition 57: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 57.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: C-OLD72
Process: C72 Emission Source: ANNL1

Emission Unit: C-OLD88
Process: C88 Emission Source: ANNL2

Emission Unit: I-NPREP
Process: INP Emission Source: PIT01

Emission Unit: I-NPREP
Process: INP Emission Source: PIT02

Emission Unit: I-NPREP
Process: INP Emission Source: PIT03

Emission Unit: I-NPREP
Process: INP Emission Source: PIT04

Emission Unit: I-NPREP
Process: INP Emission Source: PIT05

Emission Unit: I-NPREP
Process: INP Emission Source: PIT06

Emission Unit: I-NPREP
Process: INP Emission Source: PIT07

Emission Unit: I-NPREP
Process: INP Emission Source: PIT08

Emission Unit: I-NPREP
Process: INP Emission Source: PIT09

Emission Unit: I-NPREP
Process: INP Emission Source: PIT10

Emission Unit: I-NPREP
Process: INP Emission Source: PIT11

Emission Unit: I-NPREP
Process: INP Emission Source: PIT12

Emission Unit: I-NPREP
Process: INP Emission Source: PIT13

Emission Unit: I-NPREP
Process: INP Emission Source: PIT14

**Item 57.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This condition is applicable to natural gas fired hot water generators and process heaters. It is applicable to annealing furnaces in COLD72, COLD88, the CASH lines, and the INPREP soaking pits 1 - 14. This condition is applicable to small hot water heaters in the CASH lines.

1. Pursuant to 40 CFR 63.7500(a)(b) Table 3, the owner or operator of boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in 40 CFR§63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity greater than 5 million Btu per hour and less than 10 million Btu per hour must complete a tune-up every 2

years as specified in 40 CFR §63.7540. Process heaters with a heat input capacity of 10 million Btu/hr or more must conduct a tune up annually.

Pursuant to 40 CFR 7515(d), the owner or operator must conduct an annual, biennial, or 5-year performance tune-up according to 40 CFR §63.7540(a)(10), (11), or (12), respectively. Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. Each biennial tune-up specified in §63.7540(a)(11) must be conducted no more than 25 months after the previous tune-up. Each 5-year tune-up specified in §63.7540(a)(12) must be conducted no more than 61 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual, biennial, or 5-year tune-up must be no later than 13 months, 25 months, or 61 months, respectively, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

2. Pursuant to 40 CFR 63.7540, the owner or operator must conduct tune-ups of the boilers or process heaters as specified in paragraphs (i) through (vi):
(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;
(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;
(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;
(v) Measure the concentrations in the effluent stream of

CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and
(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (A) through (C) of this section,
(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;
(B) A description of any corrective actions taken as a part of the tune-up; and
(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.
3. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.
4. Pursuant to 40 CFR 63.7545(a) You must submit to the Administrator all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.
5. Pursuant to 40 CFR 63.7550(c)(1) If the facility is subject to the requirements of a tune up you must submit a compliance report with the information in paragraphs (i) through (v).
(i) Company and Facility name and address.
(ii) Process unit information, emissions limitations, and operating parameter limitations.
(iii) Date of report and beginning and ending dates of the reporting period.
(iv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to §63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.
(v) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
6. Recordkeeping
The owner or operator must keep a copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any

Initial Notification or Notification of Compliance Status or semiannual compliance report that you submitted, according to the requirements in §63.10(b)(2)(xiv).
The owner or operator must keep a copy of records of compliance demonstrations and performance evaluations as required in §63.10(b)(2)(viii).
Records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).
As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.

Monitoring Frequency: Bi 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).

**Condition 58: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(a), Subpart RRR**

**Item 58.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 58.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The delacquering kiln and sidewells of furnaces D and E

are subject to 40 CFR Part 63 Subpart RRR. Because the emissions from the kiln are co-mingled with the emissions from the furnace D and E sidewells, compliance on an individual emission unit basis (or inclusion in a SAPU) is not possible. The EPA has previously waived the requirement to test emissions from these devices on an individual basis provided that combined emissions are less than the sum of the allowable emissions if each unit operated in compliance.

Note: main hearth emissions are not required in SMACT compliance demonstrations per 63.1505(i), which states that "The owner or operator of a sidewell group 1 furnace that conducts reactive fluxing (except for cover flux) in the hearth, or that conducts reactive fluxing in the sidewell at times when the level of molten metal falls below the top of the passage between the sidewell and the hearth, must comply with the emission limits of paragraphs (i)(1) through (4) of this section on the basis of the combined emissions from the sidewell and the hearth."

1. The combined mass of emissions from the sidewells of furnaces D and E and the delacquering kiln shall not exceed the sum of the emissions that are allowed if each source operated in compliance with the applicable emission limit.

i. The allowable mass emissions from each emission source (furnace or kiln) shall be computed as the product of the production rate (or charging rate) in tons (or megagrams) per hour and the allowable emission rate, in pounds per ton (or ug per Mg).

ii. The allowable mass emission exhausted out the emission point shall be the sum of the allowable mass emissions from each individual emission source.

2. The allowable HCl emission rate from the delacquering kiln is 1.5 pounds per ton of charge or production or 0.75 kg/Mg.

3. The allowable HCl emission rate from furnace D side well is 0.40 pounds per ton of charge or production 0r 0.20 kg/Mg.

4. The allowable HCl emission rate from furnace E side well is 0.40 pounds per ton of charge or production 0r 0.20 kg/Mg.

The owner or operator must use Equation 7 in §63.1513(b) to determine compliance with the emission limit for

HCl.

Note: For example, if the process rate in the delacquering kiln is 10 tons, and the process weight through furnace D and furnace E is 5 tons each (representing the ten tons produced through the kiln), the allowable mass particulate emission rate from the kiln is 3 pounds per hour, the allowable emission rate through furnace D is 2 pounds per hour and the allowable emission rate through furnace E is 2 pounds per hour.

5. Establishing Operating Parameters: During the performance test, the owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by §63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in §63.1511 and submit the information required by §63.1515(b)(4) in the notification of compliance status report.

Parameter Monitored: HYDROGEN CHLORIDE
Upper Permit Limit: 0.40 pounds per ton
Reference Test Method: EPA Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 59: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(a), Subpart RRR**

**Item 59.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

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

**Item 59.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The delacquering kiln and sidewells of furnaces D and E are subject to 40 CFR Part 63 Subpart RRR. Because the emissions from the kiln are co-mingled with the emissions from the furnace D and E sidewells, compliance on an individual emission unit basis (or inclusion in a SAPU) is not possible. The EPA has previously waived the requirement to test emissions from these devices on an individual basis provided that combined emissions are less than the sum of the allowable emissions if each unit operated in compliance.

Note: main hearth emissions are not required in SMACT compliance demonstrations per 63.1505(i), which states that "The owner or operator of a sidewell group 1 furnace that conducts reactive fluxing (except for cover flux) in the hearth, or that conducts reactive fluxing in the sidewell at times when the level of molten metal falls below the top of the passage between the sidewell and the hearth, must comply with the emission limits of paragraphs (i)(1) through (4) of this section on the basis of the combined emissions from the sidewell and the hearth."

1. The combined mass of emissions from the sidewells of furnaces D and E and the delacquering kiln shall not exceed the sum of the emissions that are allowed if each source operated in compliance with the applicable emission limit.

i. The allowable mass emissions from each emission source (furnace or kiln) shall be computed as the product of the production rate (or charging rate) in tons (or megagrams) per hour and the allowable emission rate, in pounds per ton (or ug per Mg).

ii. The allowable mass emission exhausted out the emission point shall be the sum of the allowable mass emissions from each individual emission source.

2. The allowable particulate emission rate from the delacquering kiln is 0.30 pounds per ton of charge or production or 0.15 kg/Mg.

3. The allowable particulate emission rate from furnace D side well is 0.40 pounds per ton of charge or production or 0.20 kg/Mg.

The owner or operator must use Equation 7 in §63.1513(b) to determine compliance with the emission limit for PM.

Note: For example, if the process rate in the delacquering kiln is 10 tons, and the process weight through furnace D and furnace E is 5 tons each (representing the ten tons produced through the kiln), the allowable mass particulate emission rate from the kiln is 3 pounds per hour, the allowable emission rate through furnace D is 2 pounds per hour and the allowable emission rate through furnace E is 2 pounds per hour.

4. Establishing Operating Parameters: During the performance test, the owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by §63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in §63.1511 and submit the information required by §63.1515(b)(4) in the notification of compliance status report.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.7 pounds per ton
Reference Test Method: EPA Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 60: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(a), Subpart RRR**

**Item 60.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Regulated Contaminant(s):
CAS No: 051207-31-9 2,3,7,8-TETRACHLORODIBENZOFURAN
CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

**Item 60.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

The delacquering kiln and sidewells of furnaces D and E are subject to 40 CFR Part 63 Subpart RRR. Because the emissions from the kiln are co-mingled with the emissions from the furnace D and E sidewells, compliance on an individual emission unit basis (or inclusion in a SAPU) is not possible. The EPA has previously waived the requirement to test emissions from these devices on an individual basis provided that combined emissions are less than the sum of the allowable emissions if each unit operated in compliance.

Note: main hearth emissions are not required in SMACT compliance demonstrations per 63.1505(i), which states that "The owner or operator of a sidewell group 1 furnace that conducts reactive fluxing (except for cover flux) in the hearth, or that conducts reactive fluxing in the sidewell at times when the level of molten metal falls below the top of the passage between the sidewell and the hearth, must comply with the emission limits of paragraphs (i)(1) through (4) of this section on the basis of the combined emissions from the sidewell and the hearth."

1. The combined mass of emissions from the sidewells of furnaces D and E and the delacquering kiln shall not exceed the sum of the emissions that are allowed if each source operated in compliance with the applicable emission limit.

i. The allowable mass emissions from each emission source (furnace or kiln) shall be computed as the product of the production rate (or charging rate) in tons (or megagrams) per hour and the allowable emission rate, in pounds per ton (or ug per Mg).

ii. The allowable mass emission exhausted out the

emission point shall be the sum of the allowable mass emissions from each individual emission source.

2. The allowable dioxin/furan toxic equivalency (D/F TEQ) emission rate from the delacquering kiln is 5.0 ug/Mg of charge or production or 7.0 x10-5 gr/ton.

3. The allowable D/F TEQ emission rate from furnace D side well is 15 ug/Mg of charge or production or 2.1 x 10-4 gr/ton.

4. The allowable D/F TEQ emission rate from furnace E side well is 15 ug/Mg of charge or production or 2.1 x 10-4 gr/ton.

To convert D/F measurements to TEQ units, the owner or operator must use the procedures and equations in "Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs) and 1989 Update" (EPA-625/3-89-016), available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia, NTIS no. PB 90-145756.

The owner or operator must use Equation 7 in §63.1513(b) to determine compliance with the emission limit for D/F.

Note: For example, if the process rate in the delacquering kiln is 10 tons, and the process weight through furnace D and furnace E is 5 tons each (representing the ten tons produced through the kiln), the allowable mass D/F TEQ emission rate from the kiln is 0.7E-4 grains per hour, the allowable emission rate through furnace D is 10.5E-4 grains per hour and the allowable emission rate through furnace E is 10.5E-4 grains per hour.

5. Establishing Operating Parameters: During the performance test, the owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by §63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in §63.1511 and submit the information required by §63.1515(b)(4) in the notification of compliance status report.

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
Upper Permit Limit: 7e-5 grains
Reference Test Method: EPA Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 3-6: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(b), Subpart RRR**

**Item 3-6.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

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

**Item 3-6.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
On and after the date the initial performance test is conducted or required to be conducted, whichever date is earlier, an aluminum scrap shredder), must not discharge or cause to be discharged to the atmosphere emissions of PM in excess of 0.023 grams of PM per dry standard cubic meter (0.010 grain of PM per dry standard cubic foot).

The owner or operator must use the following methods in appendix A to 40 CFR part 60 to determine compliance with the applicable emission limits or standards:

(1) Method 1 for sample and velocity traverses.
(2) Method 2 for velocity and volumetric flow rate.
(3) Method 3 for gas analysis.
(4) Method 4 for moisture content of the stack gas.
(5) Method 5 for the concentration of PM.

Establishing Operating Parameters: During the performance test, the owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by §63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in §63.1511 and submit the information required by §63.1515(b)(4) in the notification of compliance status report. The owner or operator may use existing data in addition to the results of performance tests to establish operating parameter values for compliance monitoring provided each of the following conditions are met to the satisfaction of the applicable permitting authority:

(1) The complete emission test report(s) used as the basis of the parameter(s) is submitted.
(2) The same test methods and procedures as required by this subpart were used in the test.
(3) The owner or operator certifies that no design or work practice changes have been made to the source, process, or emission control equipment since the time of the report.
(4) All process and control equipment operating parameters required to be monitored were monitored as required in this subpart and documented in the test report.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.023 grams PM per dry standard cubic meter
Reference Test Method: EPA Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 61: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(b), Subpart RRR**

**Item 61.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD

Process: R2C Emission Source: R2CLD

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

**Item 61.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

On and after the date the initial performance test is conducted or required to be conducted, whichever date is earlier, an aluminum scrap shredder), must not discharge or cause to be discharged to the atmosphere emissions of PM in excess of 0.023 grams of PM per dry standard cubic meter (0.010 grain of PM per dry standard cubic foot).

The owner or operator must use the following methods in appendix A to 40 CFR part 60 to determine compliance with the applicable emission limits or standards:

(1) Method 1 for sample and velocity traverses.
(2) Method 2 for velocity and volumetric flow rate.
(3) Method 3 for gas analysis.
(4) Method 4 for moisture content of the stack gas.
(5) Method 5 for the concentration of PM.

Establishing Operating Parameters: During the performance test, the owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by §63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in §63.1511 and submit the information required by §63.1515(b)(4) in the notification of compliance status report. The owner or operator may use existing data in addition to the results of performance tests to establish operating parameter values for compliance monitoring provided each of the following conditions are met to the satisfaction of the applicable permitting authority:

(1) The complete emission test report(s) used as the basis of the parameter(s) is submitted.
(2) The same test methods and procedures as required by this subpart were used in the test.
(3) The owner or operator certifies that no design or work practice changes have been made to the source, process, or emission control equipment since the time of the

report.
(4) All process and control equipment operating parameters required to be monitored were monitored as required in this subpart and documented in the test report.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.023 grams PM per dry standard cubic meter
Reference Test Method: EPA Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 62: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(e), Subpart RRR**

**Item 62.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Regulated Contaminant(s):
CAS No: 0NY504-00-0 40 CFR 63 - TOTAL HYDROCARBONS (THC)

**Item 62.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
On and after the date the initial performance test is conducted or required to be conducted, whichever date is earlier, a scrap dryer/ delacquering kiln/decoating kiln equipped with an afterburner with a design residence time of at least 1 second and the afterburner is operated at a temperature of at least 750 deg C (1400 deg F), must not discharge or cause to be discharged to the atmosphere emissions of THC in excess of 0.10 kg of THC, as propane, per Mg (0.20 lb of THC, as propane, per ton) of feed/charge from a scrap dryer/delacquering kiln/decoating kiln.

An initial performance test meeting the requirements of 40CFR63 §§1511and 1512 is required within 180 days after

the compliance date of Subpart RRR for the unit(s). The owner or operator must use the following methods in appendix A to 40 CFR part 60 to determine compliance with the applicable emission limits or standards:

(1) Method 1 for sample and velocity traverses.
(2) Method 2 for velocity and volumetric flow rate.
(3) Method 3 for gas analysis.
(4) Method 4 for moisture content of the stack gas.
(5) Method 25A for the concentration of THC, as propane.

The owner or operator must use Equation 6 in §63.1513(a) to determine compliance with the emission limit for THC.

Establishing Operating Parameters: During the performance test, the owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by §63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in §63.1511 and submit the information required by §63.1515(b)(4) in the notification of compliance status report. The owner or operator may use existing data in addition to the results of performance tests to establish operating parameter values for compliance monitoring provided each of the following conditions are met to the satisfaction of the applicable permitting authority:

(1) The complete emission test report(s) used as the basis of the parameter(s) is submitted.
(2) The same test methods and procedures as required by this subpart were used in the test.
(3) The owner or operator certifies that no design or work practice changes have been made to the source, process, or emission control equipment since the time of the report.
(4) All process and control equipment operating parameters required to be monitored were monitored as required in this subpart and documented in the test report.

Parameter Monitored: 40 CFR 63 - TOTAL HYDROCARBONS (THC)
Upper Permit Limit: 0.10 kilograms THC, as propane per Mg
Reference Test Method: EPA Method 25A
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 63: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(i), Subpart RRR**

**Item 63.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 63.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

1. The HCl emission limit applicable to Group 1 furnaces is 0.20 kg of HCl per Mg (0.40 lb of HCl per ton) of feed/charge. The owner or operator of a group 1 furnace must use the limits in this paragraph to determine the emission standards for a Secondary Aluminum Processing Unit (SAPU) pursuant to §63.1505(k), or each individual furnace must comply with this limit. See 40 CFR 63.1505(k)(4).

2. The owner or operator may determine the emission standards for a SAPU by applying the group 1 furnace limits on the basis of the aluminum production weight in each group one furnace, rather than on the basis of feed/charge.

3. Compliance with the limit is based on performance tests. Performance tests must be conducted every 5 years and at any other time when requested by the DEC.

4. Averaging method for test data shall be as stated in §63.1511(b) and the applicable test method.

Parameter Monitored: HYDROGEN CHLORIDE
Upper Permit Limit: 0.40 pounds per ton
Reference Test Method: EPA method 26
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 64: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(i), Subpart RRR**

**Item 64.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

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

**Item 64.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

1. The particulate matter emission limit applicable to Group 1 furnaces is 0.20 kg of PM per Mg (0.40 lb of PM per ton) of feed/charge. The owner or operator of a group 1 furnace must use the limits in this paragraph to determine the emission standards for a Secondary Aluminum Processing Unit (SAPU) pursuant to §63.1505(k), or each individual furnace must comply with this limit. See 40 CFR 63.1505(k)(4).

3. The owner or operator may determine the emission standards for a SAPU by applying the group 1 furnace limits on the basis of the aluminum production weight in each group one furnace, rather than on the basis of feed/charge.

4. Compliance with the limit is based on performance tests. Performance tests must be conducted every 5 years and at any other time when requested by the DEC.

5. Averaging method for test data shall be as stated in §63.1511(b) and the applicable test method.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.40 pounds per ton
Reference Test Method: EPA Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 65: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(i), Subpart RRR**

**Item 65.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Regulated Contaminant(s):
CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
CAS No: 051207-31-9 2,3,7,8-TETRACHLORODIBENZOFURAN

**Item 65.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

1. The dioxin/furan emission limit applicable to Group 1 furnaces is 15 micrograms of D/F TEQ (2.1 x 10-4 grains D/F TEQ per ton) of feed/charge. The owner or operator of a group 1 furnace must use the limits in this paragraph to determine the emission standards for a Secondary Aluminum Processing Unit (SAPU) pursuant to §63.1505(k), or each individual furnace must comply with this limit. See 40 CFR 63.1505(k)(4).

3. The owner or operator may determine the emission standards for a SAPU by applying the group 1 furnace limits on the basis of the aluminum production weight in each group one furnace, rather than on the basis of feed/charge.

4. Compliance with the limit is based on performance tests. Performance tests must be conducted every 5 years and at any other time when requested by the DEC.

To convert D/F measurements to TEQ units, the owner or operator must use the procedures and equations in "Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs) and 1989 Update"

(EPA-625/3-89-016), available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia, NTIS no. PB 90-145756.

5. Averaging method for test data shall be as stated in §63.1511(b) and the applicable test method.

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
Upper Permit Limit: 15 micrograms of D/F TEQ per Mg
Reference Test Method: EPA Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 66: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(k), Subpart RRR**

**Item 66.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720MT

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN6

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 66.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

1. A new secondary aluminum processing unit (SAPU) is defined as any combination of individual group 1 furnaces and in-line fluxers within a secondary aluminum processing facility which either were constructed or reconstructed after February 11, 1999, or have been permanently redesignated as new emission units pursuant to §63.1505(k)(6).

The furnaces and in-line fluxers in emission unit 00DC7 are new furnaces and constitute a new SAPU.

2. An existing SAPU means all existing group 1 furnaces and all existing in-line fluxers within a secondary aluminum production facility. Each existing group 1 furnace or existing in-line fluxer is considered an emission unit within a secondary aluminum processing unit.

i. The melters, holders and in-line fluxers of REMELT are treated as an existing SAPU and must comply with this

condition.

ii. The 760 ton and 720 ton furnaces (and associated in-line fluxers) constitute a SAPU and must comply with this condition.

3. The facility must comply with the HCl emission limit calculated using the equation for HCl in §63.1505(k)(1) for the 000DC7 SAPU and the REMELT SAPU. The owner or operator must not discharge or allow to be discharged to the atmosphere from the secondary aluminum production unit any 3-day, 24-hour rolling average emissions in excess of the HCl emission limit determined from Equation 10 in §63.1513(e)(2) using the limit for each emission unit type [0.20 kg of HCl per Mg (0.40 lb of HCl per ton) of feed/charge for Group 1 furnaces and 0.02 kg of HCl per Mg (0.04 lb of HCl per ton) of feed/charge for in-line fluxers].

4. The owner or operator may demonstrate compliance with 40 CFR Part 63, Subpart RRR using the averaging provisions as a SAPU, or, pursuant to 40 CFR 63.1505(k)(4) and 63.1510(u), the owner or operator of a SAPU at a secondary aluminum production facility that is a major source may demonstrate compliance with the emission limits by demonstrating that each emission unit within the SAPU is in compliance with the applicable emission limits. Use the equations in 40 CFR 63.1513 to determine compliance with emission limits.

5. Establishing Operating Parameters: During the performance test, the owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by §63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in §63.1511 and submit the information required by §63.1515(b)(4) in the notification of compliance status report.

6. The owner or operator must state, in the semi-annual report, whether he or she has complied with this condition.

Parameter Monitored: HYDROGEN CHLORIDE
Upper Permit Limit: 0.40 pounds per ton
Reference Test Method: EPA Method 26
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: Arithmetic average of stack test runs
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 67: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(k), Subpart RRR**

**Item 67.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720MT

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM6

Regulated Contaminant(s):
CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
CAS No: 051207-31-9 2,3,7,8-TETRACHLORODIBENZOFURAN

**Item 67.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

1. A new secondary aluminum processing unit (SAPU) is defined as any combination of individual group 1 furnaces and in-line fluxers within a secondary aluminum processing facility which either were constructed or reconstructed after February 11, 1999, or have been permanently redesignated as new emission units pursuant to §63.1505(k)(6).

The furnaces and in-line fluxers in emission unit 00DC7 are new furnaces and constitute a new SAPU

2. An existing SAPU means all existing group 1 furnaces and all existing in-line fluxers within a secondary aluminum production facility. Each existing group 1 furnace or existing in-line fluxer is considered an emission unit within a secondary aluminum processing unit.

i. The melters and holders of REMELT are treated as an existing SAPU and must comply with this condition.

ii. The 760 ton and 720 ton furnaces (and associated in-line fluxers) constitute a SAPU and must comply with this condition.

3. The facility must comply with the dioxin/furan emission limit calculated using the equation for D/F TEQ in §63.1505(k)(3) for the 000DC7 SAPU and the REMELT SAPU. the owner or operator must not discharge or allow to be discharged to the atmosphere from the secondary aluminum production unit any 3-day, 24-hour rolling average emissions in excess of the D/F TEQ emission limit determined from Equation 11 in §63.1513(e)(3) using the limit for each emission unit type [15 ug of D/F TEQ per Mg (2.1x10-4 grains of D/F TEQ per ton) of feed/charge for Group 1 furnaces.

To convert D/F measurements to TEQ units, the owner or operator must use the procedures and equations in "Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs) and 1989 Update"

(EPA-625/3-89-016), available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia, NTIS no. PB 90-145756.

4. The owner or operator may demonstrate compliance with 40 CFR Part 63, Subpart RRR using the averaging provisions as a SAPU, or, pursuant to 40 CFR 63.1505(k)(4) and 63.1510(u), the owner or operator of a SAPU at a secondary aluminum production facility that is a major source may demonstrate compliance with the emission limits by demonstrating that each emission unit within the SAPU is in compliance with the applicable emission limits. Use the equations in 40 CFR 63.1513 to determine compliance with emission limits.

5. Establishing Operating Parameters: During the performance test, the owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by §63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in §63.1511 and submit the information required by §63.1515(b)(4) in the notification of compliance status report.

The secondary aluminum processing unit shall be monitored according to the procedures in §63.1510(t) to determine compliance with this PM limit.

Note: In-line fluxers using no reactive flux materials cannot be included in this calculation since they are not subject to the PM limit.

6. The owner or operator must state, in the semi-annual report, whether he or she has complied with this condition.

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZOFURAN
Upper Permit Limit: 15 micrograms of D/F TEQ per Mg
Reference Test Method: EPA Method 23
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: Arithmetic average of stack test runs

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 68: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1505(k), Subpart RRR**

**Item 68.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720MT

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN6

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

**Item 68.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

1. A new secondary aluminum processing unit (SAPU) is defined as any combination of individual group 1 furnaces and in-line fluxers within a secondary aluminum processing facility which either were constructed or reconstructed after February 11, 1999, or have been permanently redesignated as new emission units pursuant to §63.1505(k)(6).

The furnaces and in-line fluxers in emission unit 00DC7 are new furnaces and constitute a new SAPU

2. An existing SAPU means all existing group 1 furnaces and all existing in-line fluxers within a secondary aluminum production facility. Each existing group 1 furnace or existing in-line fluxer is considered an emission unit within a secondary aluminum processing unit.

i. The melters and holders of REMELT are treated as an existing SAPU and must comply with this condition.

ii. The 760 ton and 720 ton furnaces (and associated in-line fluxers) constitute a SAPU and must comply with this condition.

3. The facility must comply with the particulate emission limit calculated using the equation for PM in §63.1505(k)(1) for the 000DC7 SAPU and the REMELT SAPU. The owner or operator must not discharge or allow to be discharged to the atmosphere from the secondary aluminum production unit any 3-day, 24-hour rolling average

emissions in excess of the PM emission limit determined from Equation 9 in §63.1513(e)(1) using the limit for each emission unit [0.20 kg of PM per Mg (0.40 lb of PM per ton) of feed/charge for Group 1 furnaces and 0.005 kg of PM per Mg (0.01 lb of PM per ton) of feed/charge for in-line fluxers].

4. The owner or operator may demonstrate compliance with 40 CFR Part 63, Subpart RRR using the averaging provisions as a SAPU, or, pursuant to 40 CFR 63.1505(k)(4) and 63.1510(u), the owner or operator of a SAPU at a secondary aluminum production facility that is a major source may demonstrate compliance with the emission limits by demonstrating that each emission unit within the SAPU is in compliance with the applicable emission limits. Use the equations in 40 CFR 63.1513 to determine compliance with emission limits.

5. Establishing Operating Parameters: During the performance test, the owner or operator of new or existing affected sources and emission units must establish a minimum or maximum operating parameter value, or an operating parameter range for each parameter to be monitored as required by §63.1510 that ensures compliance with the applicable emission limit or standard. To establish the minimum or maximum value or range, the owner or operator must use the appropriate procedures in §63.1511 and submit the information required by §63.1515(b)(4) in the notification of compliance status report.

6. The owner or operator must state, in the semi-annual report, whether he or she has complied with this condition.

The secondary aluminum processing unit shall be monitored according to the procedures in §63.1510(t) to determine compliance with this PM limit.

Note: In-line fluxers using no reactive flux materials cannot be included in this calculation since they are not subject to the PM limit.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.40 pounds per ton
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: Arithmetic average of stack test runs
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 3-7: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(b), Subpart RRR**

**Item 3-7.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720MT

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD

Process: R2C Emission Source: RCCBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-7.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must provide and maintain easily visible labels posted at each group 1 furnace, group 2 furnace, in-line fluxer and scrap dryer/delacquering kiln/decoating kiln that identifies the applicable emission limits and means of compliance, including:

(1) The type of affected source or emission unit (e.g., scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace, in-line fluxer).

(2) The applicable operational standard(s) and control method(s) (work practice or control device). This includes, but is not limited to, the type of charge to be used for a furnace (e.g., clean scrap only, all scrap, etc.), flux materials and addition practices, and the applicable operating parameter ranges and requirements as incorporated in the OM&M plan.

(3) The afterburner operating temperature and design residence time for a scrap

dryer/delacquering kiln/decoating kiln.

Pursuant to 40 CFR 63.1510(c), the owner or operator must inspect the labels for each group 1 furnace, group 2 furnace, in-line fluxer and scrap dryer/delacquering kiln/decoating kiln at least once per calendar month to confirm that posted labels are intact and legible.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 69: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(b), Subpart RRR**

**Item 69.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720MT

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 69.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must provide and maintain easily visible labels posted at each group 1 furnace, group 2 furnace, in-line fluxer and scrap dryer/delacquering kiln/decoating kiln that identifies the applicable emission limits and means of compliance, including:

(1) The type of affected source or emission unit (e.g., scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace, in-line fluxer).

(2) The applicable operational standard(s) and control method(s) (work practice or control device). This

includes, but is not limited to, the type of charge to be used for a furnace (e.g., clean scrap only, all scrap, etc.), flux materials and addition practices, and the applicable operating parameter ranges and requirements as incorporated in the OM&M plan.

(3) The afterburner operating temperature and design residence time for a scrap dryer/delacquering kiln/decoating kiln.

Pursuant to 40 CFR 63.1510(c), the owner or operator must inspect the labels for each group 1 furnace, group 2 furnace, in-line fluxer and scrap dryer/delacquering kiln/decoating kiln at least once per calendar month to confirm that posted labels are intact and legible.

Monitoring Frequency: MONTHLY
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 3-8: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(c), Subpart RRR**

**Item 3-8.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT

Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-8.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For each affected source or emission unit equipped with an add-on air pollution control device, the owner or operator must:

(1) Design and install a system for the capture and collection of emissions to meet the engineering standards for minimum exhaust rates or facial inlet velocities as contained in the ACGIH Guidelines (incorporated by reference in 40CFR Subpart RRR §63.14);

(2) Vent captured emissions through a closed system, except that dilution air may be added to emission streams for the purpose of controlling temperature at the inlet to a fabric filter; and

(3) Operate each capture/collection system according to the procedures and requirements in the OM&M plan.

The owner or operator must:

(4) Install, operate, and maintain a capture/collection system for each affected source and emission unit equipped with an add-on air pollution control device; and

(5) Inspect each capture/collection and closed vent system at least once each calendar year to ensure that each system is operating in accordance with the above operating requirements and record the results of each inspection. The inspection must follow the procedures of 40 CFR 63.1510(d)(2). The facility shall keep a copy of a report of such inspections.

The owner or operator shall, in the annual certification, report whether he or she has complied with this requirement.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 70: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(c), Subpart RRR**

**Item 70.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT

Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

Emission Unit: R-EMELT

**Item 70.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For each affected source or emission unit equipped with an add-on air pollution control device, the owner or operator must:

(1) Design and install a system for the capture and collection of emissions to meet the engineering standards for minimum exhaust rates or facial inlet velocities as contained in the ACGIH Guidelines (incorporated by reference in 40CFR Subpart RRR §63.14);

(2) Vent captured emissions through a closed system, except that dilution air may be added to emission streams for the purpose of controlling temperature at the inlet to a fabric filter; and

(3) Operate each capture/collection system according to the procedures and requirements in the OM&M plan.

The owner or operator must:

(4) Install, operate, and maintain a capture/collection system for each affected source and emission unit equipped with an add-on air pollution control device; and

(5) Inspect each capture/collection and closed vent system at least once each calendar year to ensure that each system is operating in accordance with the above operating requirements and record the results of each inspection. The inspection must follow the procedures of 40 CFR 63.1510(d)(2). The facility shall keep a copy of a report of such inspections.

The owner or operator shall, in the annual certification, report whether he or she has complied with this requirement.

Monitoring Frequency: ANNUALLY
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 3-9: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(d), Subpart RRR**

**Item 3-9.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720MT

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT

Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-9.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an affected source or emission unit subject to an emission limit in kg/Mg (lb/ton) or µg/Mg (gr/ton) of feed/charge must:

(1) Except as provided in paragraph (3) of this condition, install, calibrate, operate and maintain a device that measures and records or otherwise determine the weight of feed/charge (or throughput) for each operating cycle or time period used in the performance test; and

(2) Operate each weight measurement system or other weight determination procedure in accordance with the OM&M plan.

(3) The owner or operator may chose to measure and record aluminum production weight from an affected source or emission unit rather than feed/charge weight to an affected source or emission unit, provided that:

(i) The aluminum production weight, rather than feed/charge weight is measured and recorded for all emission units within a SAPU; and

(ii) All calculations to demonstrate compliance with the emission limits for SAPUs are based on aluminum production weight rather than feed/charge weight.

(4) Feed/charge or aluminum production within SAPUs must be measured and recorded for each group 1 furnace and/or in-line fluxer.

(5) Pursuant to 40 CFR 63.1510(e), the accuracy of the weight measurement device or procedure must be ±1 percent of the weight being measured. The owner or operator may apply to the permitting agency for approval to use a

device of alternative accuracy if the required accuracy cannot be achieved as a result of equipment layout or charging practices. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standard.

(6) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

(7) As an alternative to a measurement device, the owner or operator may use a procedure acceptable to the applicable permitting authority to determine the total weight of feed/charge or aluminum production to the affected source or emission unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 71: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(d), Subpart RRR**

**Item 71.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7

Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7
Process: P03 Emission Source: 720MT

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 71.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an affected source or emission unit subject to an emission limit in kg/Mg (lb/ton) or µg/Mg (gr/ton) of feed/charge must:

(1) Except as provided in paragraph (3) of this condition, install, calibrate, operate and maintain a device that measures and records or otherwise determine the weight of feed/charge (or throughput) for each operating cycle or time period used in the performance test; and

(2) Operate each weight measurement system or other weight determination procedure in accordance with the OM&M plan.

(3) The owner or operator may chose to measure and record aluminum production weight from an affected source or emission unit rather than feed/charge weight to an affected source or emission unit, provided that:

(i) The aluminum production weight, rather than feed/charge weight is measured and recorded for all emission units within a SAPU; and

(ii) All calculations to demonstrate compliance with the emission limits for SAPUs are based on aluminum production weight rather than feed/charge weight.

(4) Feed/charge or aluminum production within SAPUs must be measured and recorded for each group 1 furnace and/or in-line fluxer.

(5) Pursuant to 40 CFR 63.1510(e), the accuracy of the weight measurement device or procedure must be ±1 percent of the weight being measured. The owner or operator may apply to the permitting agency for approval to use a device of alternative accuracy if the required accuracy cannot be achieved as a result of equipment layout or charging practices. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standard.

(6) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

(7) As an alternative to a measurement device, the owner or operator may use a procedure acceptable to the applicable permitting authority to determine the total weight of feed/charge or aluminum production to the affected source or emission unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 24-HOUR 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 3-10: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(e), Subpart RRR**

**Item 3-10.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2CLD Emission Point: RCC02

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CY1

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CY2

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2PRE

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

**Item 3-10.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an aluminum scrap shredder with emissions controlled by a fabric filter, using a bag leak detection system to meet the monitoring requirements in §63.1510, must:

(1) Initiate corrective action within 1-hour of a bag leak detection system alarm and complete the corrective action procedures in accordance with the OM&M plan.

(2) Operate each fabric filter system such that the bag leak detection system alarm does not sound more than 5 percent of the operating time during a 6-month block reporting period. In calculating this operating time

fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of 1 hour. If the owner or operator takes longer than 1 hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the owner or operator to initiate corrective action.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 72: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(e), Subpart RRR**

**Item 72.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

**Item 72.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an aluminum scrap shredder with emissions controlled by a fabric filter, using a bag leak detection system to meet the monitoring requirements in §63.1510, must:

(1) Initiate corrective action within 1-hour of a bag leak detection system alarm and complete the corrective action procedures in accordance with the OM&M plan.

(2) Operate each fabric filter system such that the bag leak detection system alarm does not sound more than 5 percent of the operating time during a 6-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of 1 hour. If the owner or

operator takes longer than 1 hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the owner or operator to initiate corrective action.

Monitoring Frequency: CONTINUOUS
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 73: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(g), Subpart RRR**

**Item 73.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

**Item 73.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a scrap dryer/delacquering kiln/decoating kiln with emissions controlled by an afterburner and a lime-injected fabric filter, using a bag leak detection system to meet the monitoring requirements in §63.1510, must:

(1) For each afterburner,
(i) Maintain the 3-hour block average operating temperature of each afterburner at or above the average temperature established during the performance test.

(2) For a bag leak detection system,
(ii) Operate each fabric filter system such that the bag leak detection system alarm does not sound more

than 5 percent of the operating time during a 6-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of 1 hour. If the owner or operator takes longer than 1 hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the owner or operator to initiate corrective action.

(3) Maintain the 3-hour block average inlet temperature for each fabric filter at or below the average temperature established during the performance test, plus 14 deg C (25 deg F).

(4) For a continuous injection device, maintain free-flowing lime in the hopper to the feed device at all times and maintain the lime feeder setting at or above the level established during the performance test.

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 74: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(m), Subpart RRR**

**Item 74.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 74.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a group 1 furnace with emissions controlled by a fabric filter, using a bag leak detection system to meet the monitoring requirements in §63.1510, must:

(1) Initiate corrective action within 1-hour of a bag leak detection system alarm and complete the corrective action procedures in accordance with the OM&M plan.

(2) Operate each fabric filter system such that the bag leak detection system alarm does not sound more than 5 percent of the operating time during a 6-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of 1 hour. If the owner or operator takes longer than 1 hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the owner or operator to initiate corrective action.

(3) For lime-injected baghouses, maintain the 3-hour block average inlet temperature for each fabric filter at or below the average temperature established during the performance test , plus 14 deg C (25 deg F). (Applicable to the kiln and furnaces D and E.)

(4) For a continuous lime injection system, maintain free-flowing lime in the hopper to the feed device at all times and maintain the lime feeder setting at or above the level established during the performance test. (Applicable to the kiln and furnaces D and E.)

(5) Maintain the total reactive chlorine flux injection rate for each operating cycle or time period used in the performance test at or below the average rate established during the performance test.

(6) Operate furnaces F and G such that:

(i) The level of molten metal remains above the top of the passage between the side-well and hearth during reactive flux injection.

(ii) Reactive flux is added only in the sidewell unless the hearth also is equipped with an add-on control device.

(7) The operation of capture/collection systems and control devices associated with natural-gas fired group 1 furnaces that will be idled for at least 24 hours after the furnace cycle has been completed may be temporarily stopped. Operation of these capture/collection systems and control devices must be restarted before feed/charge, flux or alloying materials are added to the furnace.

Monitoring Frequency: CONTINUOUS
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 75: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(n), Subpart RRR**

**Item 75.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

| | |
|---|---|
| Emission Unit: 0-00DC7<br>Process: P01 | Emission Point: EP760<br>Emission Source: 760MT |
| Emission Unit: 0-00DC7<br>Process: P02 | Emission Point: EP720<br>Emission Source: 720MT |
| Emission Unit: 0-00DC7<br>Process: P02 | Emission Point: EP760<br>Emission Source: 760MT |
| Emission Unit: 0-00DC7<br>Process: P03 | Emission Point: EP720<br>Emission Source: 720MT |
| Emission Unit: R-EMELT<br>Process: RMT | Emission Source: RMFH4 |
| Emission Unit: R-EMELT<br>Process: RMT | Emission Source: RMFH5 |

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM6

**Item 75.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(n) Group 1 furnace without add-on air pollution control devices. The owner or operator of a group 1 furnace (including a group 1 furnace that is part of a secondary aluminum processing unit) without add-on air pollution control devices must:

(1) Maintain the total reactive chlorine flux injection rate for each operating cycle or time period used in the performance test at or below the average rate established during the performance test.

(2) Operate each furnace in accordance with the work practice/pollution prevention measures documented in the OM&M plan and within the parameter values or ranges established in the OM&M plan.

Monitoring Frequency: CONTINUOUS
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 3-11: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(p), Subpart RRR**

**Item 3-11.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1

Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-11.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
When a process parameter or add-on air pollution control device operating parameter deviates from the value or range established during the performance test and incorporated in the OM&M plan, the owner or operator must initiate corrective action. Corrective action must restore operation of the affected source or emission unit (including the process or control device) to its normal or usual mode of operation as expeditiously as practicable in accordance with good air pollution control practices for

minimizing emissions. Corrective actions taken must include follow-up actions necessary to return the process or control device parameter level(s) to the value or range of values established during the performance test and steps to prevent the likely recurrence of the cause of a deviation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 76: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1506(p), Subpart RRR**

**Item 76.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 76.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
When a process parameter or add-on air pollution control device operating parameter deviates from the value or range established during the performance test and incorporated in the OM&M plan, the owner or operator must initiate corrective action. Corrective action must restore operation of the affected source or emission unit (including the process or control device) to its normal or usual mode of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Corrective actions taken must include follow-up actions necessary to return the process or control device parameter level(s) to the value or range of values established during the performance test and steps to prevent the likely recurrence of the cause of a deviation.

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 3-12: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(b), Subpart RRR**

**Item 3-12.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1

Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CY1

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CY2

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-12.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

After installing the new recycle 2 cold baghouse, and prior to the initial performance test, the owner or

operator shall update the OM&M plan to require a real time measurement of the broken bag detector signal in the operator control room; an alarm system; and a data aquisition and handling system to store the data.

The owner or operator must prepare and implement for each new or existing affected source and emission unit, a written operation, maintenance, and monitoring (OM&M) plan. Any changes to the plan must be submitted to the NYSDEC for review and approval. Pending approval by the NYSDEC of an initial or amended plan, the owner or operator must comply with the provisions of the submitted plan. Each plan must contain the following information:

(1) Process and control device parameters to be monitored to determine compliance, along with established operating levels or ranges, as applicable, for each process and control device.

(2) A monitoring schedule for each affected source and emission unit.

(3) Procedures for the proper operation and maintenance of each process unit and add-on control device used to meet the applicable emission limits or standards in 40 CFR Part 63.1505.

(4) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:

(i) Calibration and certification of accuracy of each monitoring device, at least once every 6 months, according to the manufacturer's instructions; and

(ii) Procedures for the quality control and quality assurance of continuous emission or opacity monitoring systems as required by the general provisions in 40 CFR Part 63 Subpart A.

(5) Procedures for monitoring process and control device parameters, including procedures for annual inspections of afterburners, and if applicable, the procedure to be used for determining charge/feed (or throughput) weight if a measurement device is not used.

(6) Corrective actions to be taken when process or operating parameters or add-on control device parameters deviate from the value or range established in paragraph (b)(1) of 40 CFR §63.1510, including:

(i) Procedures to determine and record the cause of an deviation or excursion, and the time the deviation or excursion began and ended; and

(ii) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time/date corrective action was completed.

(7) A maintenance schedule for each process and control device that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.

(8) Documentation of the work practice and pollution prevention measures used to achieve compliance with the applicable emission limits and a site-specific monitoring plan as required in 40 CFR §63.1510(o) for each group 1 furnace not equipped with an add-on air pollution control device.

(9) Procedures to be followed when changing furnace classifications under 40 CFR 63.1514.

Site-specific requirements for secondary aluminum processing units; 40 CFR 63.1510(s)

(1) An owner or operator of a secondary aluminum processing unit at a facility must include, within the OM&M plan prepared in accordance with Sec. 63.1510(b), the following information:

(i) The identification of each emission unit in the secondary aluminum processing unit;

(ii) The specific control technology or pollution prevention measure to be used for each emission unit in the secondary aluminum processing unit and the date of its installation or application;

(iii) The emission limit calculated for each secondary aluminum processing unit and performance test results with supporting calculations demonstrating initial compliance with each applicable emission limit;

(iv) Information and data demonstrating compliance for each emission unit with all applicable design, equipment, work practice or operational standards of this subpart; and

(v) The monitoring requirements applicable to each emission unit in a secondary aluminum processing unit and

the monitoring procedures for daily calculation of the 3-day, 24-hour rolling average using the procedure in Sec. 63.1510(t).

(2) The SAPU compliance procedures within the OM&M plan may not contain any of the following provisions:

(i) Any averaging among emissions of differing pollutants;

(ii) The inclusion of any affected sources other than emission units in a secondary aluminum processing unit;

(iii) The inclusion of any emission unit while it is shutdown; or

(iv) The inclusion of any periods of startup, shutdown, or malfunction in emission calculations.

(3) To revise the SAPU compliance provisions within the OM&M plan prior to the end of the permit term, the owner or operator must submit a request to the applicable permitting authority containing the information required by paragraph (s)(1) of this section and obtain approval of the applicable permitting authority prior to implementing any revisions.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 77: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(b), Subpart RRR**

**Item 77.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD

Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 77.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator must prepare and implement for each new or existing affected source and emission unit, a written operation, maintenance, and monitoring (OM&M) plan. Any changes to the plan must be submitted to the NYSDEC for review and approval. Pending approval by the NYSDEC of an initial or amended plan, the owner or operator must comply with the provisions of the submitted plan. Each plan must contain the following information:

(1) Process and control device parameters to be monitored to determine compliance, along with established operating levels or ranges, as applicable, for each process and control device.

(2) A monitoring schedule for each affected source and emission unit.

(3) Procedures for the proper operation and maintenance of each process unit and add-on control device used to meet the applicable emission limits or standards in 40 CFR Part 63.1505.

(4) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:

(i) Calibration and certification of accuracy of each monitoring device, at least once every 6 months, according to the manufacturer's instructions; and

(ii) Procedures for the quality control and quality assurance of continuous emission or opacity monitoring systems as required by the general provisions in 40 CFR Part 63 Subpart A.

(5) Procedures for monitoring process and control device parameters, including procedures for annual inspections of afterburners, and if applicable, the procedure to be used for determining charge/feed (or throughput) weight if a measurement device is not used.

(6) Corrective actions to be taken when process or operating parameters or add-on control device parameters deviate from the value or range established in paragraph (b)(1) of 40 CFR §63.1510, including:

(i) Procedures to determine and record the cause of an deviation or excursion, and the time the deviation or excursion began and ended; and

(ii) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time/date corrective action was completed.

(7) A maintenance schedule for each process and control device that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.

(8) Documentation of the work practice and pollution prevention measures used to achieve compliance with the applicable emission limits and a site-specific monitoring plan as required in 40 CFR §63.1510(o) for each group 1 furnace not equipped with an add-on air pollution control device.

(9) Procedures to be followed when changing furnace classifications under 40 CFR 63.1514.

Site-specific requirements for secondary aluminum processing units; 40 CFR 63.1510(s)

(1) An owner or operator of a secondary aluminum processing unit at a facility must include, within the OM&M plan prepared in accordance with Sec. 63.1510(b), the following information:

(i) The identification of each emission unit in the secondary aluminum processing unit;

(ii) The specific control technology or pollution prevention measure to be used for each emission unit in the secondary aluminum processing unit and the date of its installation or application;

(iii) The emission limit calculated for each secondary aluminum processing unit and performance test results with supporting calculations demonstrating initial compliance with each applicable emission limit;

(iv) Information and data demonstrating compliance for each emission unit with all applicable design, equipment, work practice or operational standards of this subpart; and

(v) The monitoring requirements applicable to each emission unit in a secondary aluminum processing unit and the monitoring procedures for daily calculation of the 3-day, 24-hour rolling average using the procedure in Sec. 63.1510(t).

(2) The SAPU compliance procedures within the OM&M plan may not contain any of the following provisions:

(i) Any averaging among emissions of differing pollutants;

(ii) The inclusion of any affected sources other than emission units in a secondary aluminum processing unit;

(iii) The inclusion of any emission unit while it is shutdown; or

(iv) The inclusion of any periods of startup, shutdown, or malfunction in emission calculations.

(3) To revise the SAPU compliance provisions within the OM&M plan prior to the end of the permit term, the owner or operator must submit a request to the applicable

permitting authority containing the information required by paragraph (s)(1) of this section and obtain approval of the applicable permitting authority prior to implementing any revisions.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 3-13: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(f), Subpart RRR**

**Item 3-13.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-13.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an affected source or emission unit using a fabric filter or lime-injected fabric filter to comply with the requirements of this subpart must install, calibrate, maintain, and continuously operate a

bag leak detection system as follows:

(i) The owner or operator must install and operate a bag leak detection system for each exhaust stack of a fabric filter.

(ii) Each bag leak detection system must be installed, calibrated, operated, and maintained according to the manufacturer's operating instructions.

(iii) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

(iv) The bag leak detection system sensor must provide output of relative or absolute PM loadings.

(v) The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor.

(vi) The bag leak detection system must be equipped with an alarm system that will sound automatically when an increase in relative PM emissions over a preset level is detected. The alarm must be located where it is easily heard by plant operating personnel.

(vii) For positive pressure fabric filter systems, a bag leak detection system must be installed in each baghouse compartment or cell. For negative pressure or induced air fabric filters, the bag leak detector must be installed downstream of the fabric filter.

(viii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

(ix) The baseline output must be established by adjusting the range and the averaging period of the device and establishing the alarm set points and the alarm delay time.

(x) Following initial adjustment of the system, the owner or operator must not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time except as detailed in the OM&M plan. In no case may the sensitivity be increased by more than 100 percent or decreased more than 50 percent over a 365-day period unless such adjustment follows a complete fabric filter inspection which demonstrates that the fabric filter is in good operating condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 78: Compliance Certification**

**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(f), Subpart RRR**

**Item 78.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 78.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an affected source or emission unit using a fabric filter or lime-injected fabric filter to comply with the requirements of this subpart must install, calibrate, maintain, and continuously operate a

bag leak detection system as follows:

(i) The owner or operator must install and operate a bag leak detection system for each exhaust stack of a fabric filter.

(ii) Each bag leak detection system must be installed, calibrated, operated, and maintained according to the manufacturer's operating instructions.

(iii) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

(iv) The bag leak detection system sensor must provide output of relative or absolute PM loadings.

(v) The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor.

(vi) The bag leak detection system must be equipped with an alarm system that will sound automatically when an increase in relative PM emissions over a preset level is detected. The alarm must be located where it is easily heard by plant operating personnel.

(vii) For positive pressure fabric filter systems, a bag leak detection system must be installed in each baghouse compartment or cell. For negative pressure or induced air fabric filters, the bag leak detector must be installed downstream of the fabric filter.

(viii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

(ix) The baseline output must be established by adjusting the range and the averaging period of the device and establishing the alarm set points and the alarm delay time.

(x) Following initial adjustment of the system, the owner or operator must not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time except as detailed in the OM&M plan. In no case may the sensitivity be increased by more than 100 percent or decreased more than 50 percent over a 365-day period unless such adjustment follows a complete fabric filter inspection which demonstrates that the fabric filter is in good operating condition.

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 79: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(g), Subpart RRR**

**Item 79.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT

Process: R2H Emission Source: R2INC

**Item 79.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

These requirements apply to the owner or operator of an affected source using an afterburner to comply with the requirements of this subpart.

(1) The owner or operator must install, calibrate, maintain, and operate a device to continuously monitor and record the operating temperature of the afterburner consistent with the requirements for continuous monitoring systems in subpart A of this part.

(2) The temperature monitoring device must meet each of these performance and equipment specifications:

(i) The temperature monitoring device must be installed at the exit of the combustion zone of each afterburner
.

(ii) The monitoring system must record the temperature in 15-minute block averages and determine and record the average temperature for each 3-hour block period.

(iii) The recorder response range must include zero and 1.5 times the average temperature established according to the requirements in Sec. 63.1512(m).

(iv) The reference method must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the Administrator.

(3) The owner or operator must conduct an inspection of each afterburner at least once a year and record the results. At a minimum, an inspection must include:

(i) Inspection of all burners, pilot assemblies, and pilot sensing devices for proper operation and clean pilot sensor;

(ii) Inspection for proper adjustment of combustion air;

(iii) Inspection of internal structures (e.g., baffles) to ensure structural integrity;

(iv) Inspection of dampers, fans, and blowers for

proper operation;

(v) Inspection for proper sealing;

(vi) Inspection of motors for proper operation;

(vii) Inspection of combustion chamber refractory lining and clean and replace lining as necessary;

(viii) Inspection of afterburner shell for corrosion and/or hot spots;

(ix) Documentation, for the burn cycle that follows the inspection, that the afterburner is operating properly and any necessary adjustments have been made; and

(x) Verification that the equipment is maintained in good operating condition.

(xi) Following an equipment inspection, all necessary repairs must be completed in accordance with the requirements of the OM&M plan.

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 80: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(h), Subpart RRR**

**Item 80.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

**Item 80.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
These requirements apply to the owner or operator of a scrap dryer/delacquering kiln/decoating kiln or a group 1 furnace using a lime-injected fabric filter to comply with the requirements of this subpart.

(1) The owner or operator must install, calibrate, maintain, and operate a device to continuously monitor and record the temperature of the fabric filter inlet gases consistent with the requirements for continuous monitoring systems in subpart A of this part.

(2) The temperature monitoring device must meet each of these performance and equipment specifications:

(i) The monitoring system must record the temperature in 15-minute block averages and calculate and record the average temperature for each 3-hour block period.

(ii) The recorder response range must include zero and 1.5 times the average temperature established according to the requirements in Sec. 63.1512(n).

(iii) The reference method must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the Administrator.

Monitoring Frequency: CONTINUOUS
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 81: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(i), Subpart RRR**

**Item 81.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

**Item 81.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
These requirements apply to the owner or operator of an affected source or emission unit using a lime-injected fabric filter to comply with the requirements of this subpart.
(1) The owner or operator of a continuous lime injection system must verify that lime is always free-flowing by either:

(i) Inspecting each feed hopper or silo at least once each 8-hour period and recording the results of each inspection. If lime is found not to be free-flowing during any of the 8-hour periods, the owner or operator must increase the frequency of inspections to at least once every 4-hour period for the next 3 days. The owner or operator may return to inspections at least once every 8 hour period if corrective action results in no further blockages of lime during the 3-day period; or

(ii) Subject to the approval of the permitting agency, installing, operating and maintaining a load cell, carrier gas/lime flow indicator, carrier gas pressure drop measurement system or other system to confirm that lime is free-flowing. If lime is found not to be free-flowing, the owner or operator must promptly initiate and complete corrective action, or

(iii) Subject to the approval of the permitting agency, installing, operating and maintaining a device to monitor the concentration of HCl at the outlet of the fabric filter. If an increase in the concentration of HCl indicates that the lime is not free-flowing, the owner or operator must promptly initiate and complete corrective action.

(2) The owner or operator of a continuous lime injection system must record the lime feeder setting once each day of operation.

(3) An owner or operator who intermittently adds lime to a lime coated fabric filter must obtain approval from the permitting authority for a lime addition monitoring procedure. The permitting authority will not approve a monitoring procedure unless data and information are submitted establishing that the procedure is adequate to ensure that relevant emission standards will be met on a continuous basis.

(4) At least once per month, verify that the lime injection rate in pounds per hour (lb/hr) is no less than 90 percent of the lime injection rate used to demonstrate compliance during your most recent performance test. If the monthly check of the lime injection rate is below the 90 percent, the owner or operator must repair or adjust the lime injection system to restore normal operation within 45 days. The owner or operator may request from the permitting authority for major sources, or the Administrator for area sources, an extension of up to an additional 45 days to demonstrate that the lime injection rate is no less than 90 percent of the lime injection rate

used to demonstrate compliance during the most recent performance test. In the event that a lime feeder is repaired or replaced, the feeder must be calibrated, and the feed rate must be restored to the lb/hr feed rate operating limit established during the most recent performance test within 45 days. The owner or operator may request from the permitting authority for major sources, or the Administrator for area sources, an extension of up to an additional 45 days to complete the repair or replacement and establishing a new setting. The repair or replacement, and the establishment of the new feeder setting(s) must be documented in accordance with the recordkeeping requirements of §63.1517.

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 82: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(j), Subpart RRR**

**Item 82.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMIN6

**Item 82.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

These requirements apply to the owner or operator of a group 1 furnace (with or without add-on air pollution control devices) or in-line fluxer. The owner or operator must:

(1) Install, calibrate, operate, and maintain a device to continuously measure and record the weight of gaseous or liquid reactive flux injected to each affected source or emission unit.

(i) The monitoring system must record the weight for each 15-minute block period, during which reactive fluxing occurs, over the same operating cycle or time period used in the performance test.

(ii) The accuracy of the weight measurement device must be +/-1 percent of the weight of the reactive component of the flux being measured. The owner or operator may apply to the permitting authority for permission to use a weight measurement device of alternative accuracy in cases where the reactive flux flow rates are so low as to make the use of a weight measurement device of +/-1 percent impracticable. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standards.

(iii) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

(2) Calculate and record the gaseous or liquid reactive flux injection rate (kg/Mg or lb/ton) for each operating cycle or time period used in the performance test using the procedure in Sec. 63.1512(o).

(3) Record, for each 15-minute block period during each operating cycle or time period used in the performance test during which reactive fluxing occurs, the time, weight, and type of flux for each addition of:

(i) Gaseous or liquid reactive flux other than chlorine; and

(ii) Solid reactive flux.

(4) Calculate and record the total reactive flux injection rate for each operating cycle or time period used in the performance test using the procedure in Sec. 63.1512(o). For solid flux that is added intermittently, record the amount added for each operating cycle or time period used in the performance test using the procedures in 40 CFR 63.1512(o).

(5) The owner or operator of a group 1 furnace or in-line fluxer performing reactive fluxing may apply to the Administrator for approval of an alternative method for monitoring and recording the total reactive flux addition rate based on monitoring the weight or quantity of reactive flux per ton of feed/charge for each operating cycle or time period used in the performance test. An alternative monitoring method will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standards on a continuous basis.

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 83: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(n), Subpart RRR**

**Item 83.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

**Item 83.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
These requirements apply to the owner or operator of a sidewell group 1 furnace using add-on air pollution control devices. The owner or operator must:

(1) Record in an operating log for each charge of a sidewell furnace that the level of molten metal was above the top of the passage between the sidewell and hearth during reactive flux injection, unless the furnace hearth was also equipped with an add-on control device. If visual inspection of the molten metal level is not possible, the molten metal level must be determined by physical measurement methods.

(2) Submit a certification of compliance with the operational standards in Sec. 63.1506(m)(7) for each 6-month reporting period. Each certification must contain the information in Sec. 63.1516(b)(2)(iii).

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
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 84: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(o), Subpart RRR**

**Item 84.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM6

**Item 84.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(o) Group 1 furnace without add-on air pollution control devices. These requirements apply to the owner or operator of a group 1 furnace that is not equipped with an add-on air pollution control device.

(1) The owner or operator must develop, in consultation with the responsible permitting authority, a written site-specific monitoring plan. The site-specific monitoring plan must be submitted to the permitting authority as part of the OM&M plan. The site-specific monitoring plan must contain sufficient procedures to ensure continuing compliance with all applicable emission limits and must demonstrate, based on documented test results, the relationship between emissions of PM, HCl and HF and the proposed monitoring parameters for each pollutant. Test data must establish the highest level of PM, HCl and HF that will be emitted from the furnace. This may be determined by conducting performance tests and monitoring operating parameters while charging the furnace

with feed/charge materials containing the highest anticipated levels of oils and coatings and fluxing at the highest anticipated rate. If the permitting authority determines that any revisions of the site-specific monitoring plan are necessary to meet the requirements of this section or this subpart, the owner or operator must promptly make all necessary revisions and resubmit the revised plan to the permitting authority.

(ii) The permitting authority will review and approve or disapprove a proposed plan, or request changes to a plan, based on whether the plan contains sufficient provisions to ensure continuing compliance with applicable emission limits and demonstrates, based on documented test results, the relationship between emissions of PM, HCl anf HF and the proposed monitoring parameters for each pollutant. Test data must establish the highest level of PM, HCl and HF that will be emitted from the furnace. Subject to permitting agency approval of the OM&M plan, this may be determined by conducting performance tests and monitoring operating parameters while charging the furnace with feed/charge materials containing the highest anticipated levels of oils and coatings and fluxing at the highest anticipated rate.

(2) Each site-specific monitoring plan must document each work practice, equipment/design practice, pollution prevention practice, or other measure used to meet the applicable emission standards.

(3) Each site-specific monitoring plan must include provisions for unit labeling as required in paragraph (c) of this section, feed/charge weight measurement (or production weight measurement) as required in paragraph (e) of this section and flux weight measurement as required in paragraph (j) of this section.

(8) If a site-specific monitoring plan includes a calculation method for monitoring the scrap contaminant level of furnace feed/charge materials, the plan must include provisions for the demonstration and implementation of the program in accordance with all applicable requirements in paragraph (q) of this section.

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

**Condition 85: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(q), Subpart RRR**

**Item 85.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH6

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM4

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM5

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFM6

**Item 85.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Monitoring of scrap contamination level by calculation method for group 1 furnace without add-on air pollution control devices. The owner or operator of a group 1 furnace dedicated to processing a distinct type of furnace feed/charge composed of scrap with a uniform composition (such as rejected product from a manufacturing process for which the coating-to-scrap ratio can be documented) may include a program in the site-specific monitoring plan for determining, monitoring, and certifying the scrap contaminant level using a calculation method rather than a

scrap inspection program. A scrap contaminant monitoring program using a calculation method must include:

(1) Procedures for the characterization and documentation of the contaminant level of the scrap prior to the performance test.

(2) Limitations on the furnace feed/charge to scrap of the same composition as that used in the performance test. If the performance test was conducted with a mixture of scrap and clean charge, limitations on the proportion of scrap in the furnace feed/charge to no greater than the proportion used during the performance test.

(3) Operating, monitoring, recordkeeping, and reporting requirements to ensure that no scrap with a contaminant level higher than that used in the performance test is charged to the furnace.

The above information must be included in the OM&M plan.

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

**Condition 86: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1510(t), Subpart RRR**

**Item 86.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

**Item 86.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Except as provided in 40 CFR 63.1510(u) of this section, the owner or operator must calculate and record the 3-day, 24-hour rolling average emissions of PM, HCl, and D/F (and HF for uncontrolled group 1 furnaces) for each secondary aluminum processing unit on a daily basis. To calculate the 3-day, 24-hour rolling average, the owner or operator must:

(1) Calculate and record the total weight of material charged to each emission unit in the secondary aluminum

processing unit for each 24-hour day of operation using the feed/charge weight information required in paragraph (e) of this section. If the owner or operator chooses to comply on the basis of weight of aluminum produced by the emission unit, rather than weight of material charged to the emission unit, all performance test emissions results and all calculations must be conducted on the aluminum production weight basis.

(2) Multiply the total feed/charge weight to the emission unit, or the weight of aluminum produced by the emission unit, for each emission unit for the 24-hour period by the emission rate (in lb/ton of feed/charge) for that emission unit (as determined during the performance test) to provide emissions for each emission unit for the 24-hour period, in pounds.

(i) Where no performance test has been conducted, for a particular emission unit, because the owner of operator has, with the approval of the permitting authority for major sources, or the Administrator for area sources, chosen to determine the emission rate of an emission unit by testing a representative unit, in accordance with §63.1511(f), the owner or operator shall use the emission rate determined from the representative unit in the SAPU emission rate calculation required in §63.1510(t)(4).

(ii) Except as provided in paragraph (t)(2)(iii) of this section, if the owner or operator has not conducted performance tests for HCl (and HF for an uncontrolled group 1 furnace) or for HCl for an in-line fluxer, in accordance with the provisions of §63.1512(d)(3), (e)(3), or (h)(2), the calculation required in §63.1510(t)(4) to determine SAPU-wide HCl and HF emissions shall be made under the assumption that all chlorine contained in reactive flux added to the emission unit is emitted as HCl and all fluorine contained in reactive flux added to the emission unit is emitted as HF.

(iii) Prior to the date by which the initial performance test for HF emissions from uncontrolled group 1 furnaces is conducted, or is required to be conducted, the calculation required in §63.1505(k) to determine the SAPU-wide HF emission limit and the calculation required in §63.1510(t)(4) to determine the SAPU-wide HF emission rate must exclude HF emissions from untested uncontrolled group 1 furnaces and feed/charge processed in untested uncontrolled group 1 furnaces.

(3) Divide the total emissions for each SAPU for the 24-hour period by the total material charged to the SAPU,

or the weight of aluminum produced by the SAPU over the 24-hour period to provide the daily emission rate for the SAPU.

(4) Compute the 24-hour daily emission rate using Equation 4 listed in 63.1510(t)(4):

(5) Calculate and record the 3-day, 24-hour rolling average for each pollutant each day by summing the daily emission rates for each pollutant over the 3 most recent consecutive days and dividing by 3.

Monitoring Frequency: DAILY
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 3-14: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1511, Subpart RRR**

**Item 3-14.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-14.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Performance test/compliance demonstration general requirements.

(1) Site-specific test plan. Prior to conducting a performance test required by this subpart, the owner or operator must prepare and submit a site-specific test plan meeting the requirements in Sec. 63.7(c). Performance tests shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance of the affected source for the period being tested. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(2) Initial performance test. Following approval of the site-specific test plan, the owner or operator must demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected source and emission unit, and report the results in the notification of compliance status report as described in Sec. 63.1515(b). The owner or operator must conduct each performance test according to the requirements of the general provisions in subpart A of this part and this subpart. Owners or operators of affected sources located at facilities which are area sources are subject only to those performance testing requirements pertaining to D/F. Owners or operators of sweat furnaces meeting the specifications of Sec. 63.1505(f)(1) are not required to conduct a performance test.

(i) The performance tests must be conducted under representative conditions expected to produce the highest level of HAP emissions expressed in the units of the emission standards for the HAP (considering the extent of feed/charge contamination, reactive flux addition rate and feed/charge rate). If a single test condition is not expected to produce the highest level of emissions for all HAP, testing under two or more sets of conditions (for example high contamination at low feed/charge rate, and low contamination at high feed/charge rate) may be required. Any subsequent performance tests for the purposes of establishing new or revised parametric limits shall be allowed upon pre-approval from the permitting authority for major sources, or the Administrator for area sources. These new parametric settings shall be used to demonstrate compliance for the period being tested.

(ii) Each performance test for a continuous process must consist of 3 separate runs; pollutant sampling for each run must be conducted for the time period specified in the applicable method or, in the absence of a specific time period in the test method, for a minimum of 3 hours.

(iii) Each performance test for a batch process must consist of three separate runs; pollutant sampling for each run must be conducted over the entire process operating cycle. Additionally, for batch processes where the length of the process operating cycle is not known in advance, and where isokinetic sampling must be conducted based on the procedures in Method 5 in appendix A to part 60, use the following procedure to ensure that sampling is conducted over the entire process operating cycle:

(i) Choose a minimum operating cycle length and begin sampling assuming this minimum length will be the run time (e.g., if the process operating cycle is known to last from four to six hours, then assume a sampling time of four hours and divide the sampling time evenly between the required number of traverse points);

(ii) After each traverse point has been sampled once, begin sampling each point again for the same time per point, in the reverse order, until the operating cycle is complete. All traverse points as required by Method 1 of appendix A to part 60, must be sampled at least once during each test run;

(iii) In order to distribute the sampling time most evenly over all the traverse points, do not perform all runs using the same sampling point order (e.g., if there are

four ports and sampling for run 1 began in port 1, then sampling for run 2 could begin in port 4 and continue in reverse order.)

(iv) Where multiple affected sources or emission units are exhausted through a common stack, pollutant sampling for each run must be conducted over a period of time during which all affected sources or emission units complete at least 1 entire process operating cycle or for 24 hours, whichever is shorter.

(v) Initial compliance with an applicable emission limit or standard is demonstrated if the average of three runs conducted during the performance test is less than or equal to the applicable emission limit or standard.

(vi) Apply paragraphs (b)(1) through (5) of this section for each pollutant separately if a different production rate, charge material or, if applicable, reactive fluxing rate would apply and thereby result in a higher expected emissions rate for that pollutant.

(vii) The owner or operator may not conduct performance tests during periods of malfunction.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 87: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1511, Subpart RRR**

**Item 87.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 87.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Performance test/compliance demonstration general requirements.

(1) Site-specific test plan. Prior to conducting a performance test required by this subpart, the owner or operator must prepare and submit a site-specific test plan meeting the requirements in Sec. 63.7(c). Performance tests shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance of the affected source for the period being tested. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.

(2) Initial performance test. Following approval of the site-specific test plan, the owner or operator must demonstrate initial compliance with each applicable emission, equipment, work practice, or operational standard for each affected source and emission unit, and

report the results in the notification of compliance status report as described in Sec. 63.1515(b). The owner or operator must conduct each performance test according to the requirements of the general provisions in subpart A of this part and this subpart. Owners or operators of affected sources located at facilities which are area sources are subject only to those performance testing requirements pertaining to D/F. Owners or operators of sweat furnaces meeting the specifications of Sec. 63.1505(f)(1) are not required to conduct a performance test.

(i) The performance tests must be conducted under representative conditions expected to produce the highest level of HAP emissions expressed in the units of the emission standards for the HAP (considering the extent of feed/charge contamination, reactive flux addition rate and feed/charge rate). If a single test condition is not expected to produce the highest level of emissions for all HAP, testing under two or more sets of conditions (for example high contamination at low feed/charge rate, and low contamination at high feed/charge rate) may be required. Any subsequent performance tests for the purposes of establishing new or revised parametric limits shall be allowed upon pre-approval from the permitting authority for major sources, or the Administrator for area sources. These new parametric settings shall be used to demonstrate compliance for the period being tested.

(ii) Each performance test for a continuous process must consist of 3 separate runs; pollutant sampling for each run must be conducted for the time period specified in the applicable method or, in the absence of a specific time period in the test method, for a minimum of 3 hours.

(iii) Each performance test for a batch process must consist of three separate runs; pollutant sampling for each run must be conducted over the entire process operating cycle. Additionally, for batch processes where the length of the process operating cycle is not known in advance, and where isokinetic sampling must be conducted based on the procedures in Method 5 in appendix A to part 60, use the following procedure to ensure that sampling is conducted over the entire process operating cycle:

(i) Choose a minimum operating cycle length and begin sampling assuming this minimum length will be the run time (e.g., if the process operating cycle is known to last from four to six hours, then assume a sampling time of four hours and divide the sampling time evenly between the required number of traverse points);

(ii) After each traverse point has been sampled once, begin sampling each point again for the same time per point, in the reverse order, until the operating cycle is complete. All traverse points as required by Method 1 of appendix A to part 60, must be sampled at least once during each test run;

(iii) In order to distribute the sampling time most evenly over all the traverse points, do not perform all runs using the same sampling point order (e.g., if there are four ports and sampling for run 1 began in port 1, then sampling for run 2 could begin in port 4 and continue in reverse order.)

(iv) Where multiple affected sources or emission units are exhausted through a common stack, pollutant sampling for each run must be conducted over a period of time during which all affected sources or emission units complete at least 1 entire process operating cycle or for 24 hours, whichever is shorter.

(v) Initial compliance with an applicable emission limit or standard is demonstrated if the average of three runs conducted during the performance test is less than or equal to the applicable emission limit or standard.

(vi) Apply paragraphs (b)(1) through (5) of this section for each pollutant separately if a different production rate, charge material or, if applicable, reactive fluxing rate would apply and thereby result in a higher expected emissions rate for that pollutant.

(vii) The owner or operator may not conduct performance tests during periods of malfunction.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 3-15: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1512, Subpart RRR**

**Item 3-15.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1

Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-15.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Performance test/compliance demonstration requirements and procedures.

(a) Aluminum scrap shredder. The owner or operator of an aluminum scrap shredder must conduct performance tests to measure PM emissions at the outlet of the control system. If visible emission observations is the selected monitoring option, the owner or operator must record visible emission observations from each exhaust

stack for all consecutive 6-minute periods during the PM emission test according to the requirements of Method 9 in appendix A to 40 CFR part 60. If emissions observations by ASTM Method D7520-13 (incorporated by reference, see §63.14) is the selected monitoring option, the owner or operator must record opacity observations from each exhaust stack for all consecutive 6-minute periods during the PM emission test.

(b) Scrap dryer/delacquering kiln/decoating kiln. The owner or operator of a scrap dryer/delacquering kiln/decoating kilnmust conduct performancetests to measure emissions of THC, D/F, HCl, and PM at the outlet of the control device.

(1) If the scrap dryer/delacquering kiln/decoating kiln is subject to the alternative emission limits in Sec. 63.1505(e), the average afterburner operating temperature in each 3-hour block period must be maintained at or above 760 deg.C (1400 deg.F) for the test.

(2) The owner or operator of a scrap dryer/delacquering kiln/decoating kiln subject to the alternative limits in Sec. 63.1505(e) must submit a written certification in the notification of compliance status report containing the information required by Sec. 63.1515(b)(7).

(c) Group 1 furnace with add-on air pollution control devices.

(1) The owner or operator of a group 1 furnace that processes scrap other than clean charge materials with emissions controlled by a lime-injected fabric filter must conduct performance tests to measure emissions of PM and D/F at the outlet of the control device and emissions of HCl at the outlet (for the emission limit) or the inlet and the outlet (for the percent reduction standard).

(2) The owner or operator of a group 1 furnace that processes only clean charge materials with emissions controlled by a lime-injected fabric filter must conduct performance tests to measure emissions of PM at the outlet of the control device and emissions of HCl at the outlet (for the emission limit) or the inlet and the outlet (for the percent reduction standard).

(3) The owner or operator may choose to determine the rate of reactive flux addition to the group 1 furnace and assume, for the purposes of demonstrating compliance with the SAPU emission limit, that all reactive flux added to the group 1 furnace is emitted. Under these circumstances,

the owner or operator is not required to conduct an emission test for HCl.

(4) The owner or operator of a sidewell group 1 furnace that conducts reactive fluxing (except for cover flux) in the hearth, or that conducts reactive fluxing in the sidewell at times when the level of molten metal falls below the top of the passage between the sidewell and the hearth, must conduct the performance tests required by paragraph (d)(1) or (d)(2) of this section, to measure emissions from both the sidewell and the hearth.

(d) Group 1 furnace (including melting holding furnaces) without add-on air pollution control devices. In the site-specific monitoring plan required by §63.1510(o), the owner or operator of a group 1 furnace (including a melting/holding furnaces) without add-on air pollution control devices must include data and information demonstrating compliance with the applicable emission limits.

(1) If the group 1 furnace processes other than clean charge material, the owner or operator must conduct emission tests to measure emissions of PM, HCl, HF, and D/F at the furnace exhaust outlet.

(2) If the group 1 furnace processes only clean charge, the owner or operator must conduct emission tests to simultaneously measure emissions of PM, HCl and HF. A D/F test is not required. Each test must be conducted while the group 1 furnace (including a melting/holding furnace) processes only clean charge.

(3) The owner or operator may choose to determine the rate of reactive flux addition to the group 1 furnace and assume, for the purposes of demonstrating compliance with the SAPU emission limit, that all chlorine and fluorine contained in reactive flux added to the group 1 furnace is emitted as HCl and HF. Under these circumstances, the owner or operator is not required to conduct an emission test for HCl or HF.

(4) When testing an existing uncontrolled furnace, the owner or operator must comply with the requirements of either paragraphs (e)(4)(i), (ii) or (iii) of this section at the next required performance test required by §63.1511(e).

(i) Install hooding that meets ACGIH Guidelines (incorporated by reference, see §63.14), or

(ii) At least 180 days prior to testing petition the

permitting authority for major sources, or the Administrator for area sources, that such hoods are impractical under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to the paragraph (e)(7) of this section, or

(iii) Assume an 80-percent capture efficiency for the furnace exhaust (i.e., multiply emissions measured at the furnace exhaust outlet by 1.25). If the source fails to demonstrate compliance using the 80-percent capture efficiency assumption, the owner or operator must re-test with a hood that meets the ACGIH Guidelines within 180 days, or petition the permitting authority for major sources, or the Administrator for area sources, within 180 days that such hoods are impractical under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to paragraph (e)(7) of this section.

(iv) The 80-percent capture efficiency assumption is not applicable in the event of testing conducted under an approved petition submitted pursuant to paragraphs (e)(4)(ii) or (iii) of this section.

(v) Round top furnaces constructed before February 14, 2012, and reconstructed round top furnaces are exempt from the requirements of paragraphs (e)(4)(i) and (ii) of this section. Round top furnaces must be operated to minimize unmeasured emissions according to paragraph (e)(7) of this section.

(5) When testing a new uncontrolled furnace constructed after February 14, 2012, the owner or operator must install hooding that meets ACGIH Guidelines (incorporated by reference, see §63.14) or petition the permitting authority for major sources, or the Administrator for area sources, that such hoods are impracticable under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to the provisions of paragraph (e)(7).

(6) The installation of hooding that meets ACGIH Guidelines (incorporated by reference, see §63.14) is considered impractical if any of the following conditions exist:

(i) Building or equipment obstructions (for example, wall, ceiling, roof, structural beams, utilities, overhead crane or other obstructions) are present such that the

temporary hood cannot be located consistent with acceptable hood design and installation practices;

(ii) Space limitations or work area constraints exist such that the temporary hood cannot be supported or located to prevent interference with normal furnace operations or avoid unsafe working conditions for the furnace operator; or

(iii) Other obstructions and limitations subject to agreement of the permitting authority for major sources, or the Administrator for area sources.

(7) Testing procedures that will minimize unmeasured emissions may include, but are not limited to the following:

(i) Installing a hood that does not entirely meet ACGIH guidelines;

(ii) Using the building as an enclosure, and measuring emissions exhausted from the building if there are no other furnaces or other significant sources in the building of the pollutants to be measured;

(iii) Installing temporary baffles on those sides or top of furnace opening if it is practical to do so where they will not interfere with material handling or with the furnace door opening and closing;

(iv) Minimizing the time the furnace doors are open or the top is off;

(v) Delaying gaseous reactive fluxing until charging doors are closed and, for round top furnaces, until the top is on;

(vi) Agitating or stirring molten metal as soon as practicable after salt flux addition and closing doors as soon as possible after solid fluxing operations, including mixing and dross removal;

(vii) Keeping building doors and other openings closed to the greatest extent possible to minimize drafts that would divert emissions from being drawn into the furnace;

(viii) Maintaining burners on low-fire or pilot operation while the doors are open or the top is off;

(ix) Use of fans or other device to direct flow into a furnace when door is open; or

(x) Removing the furnace cover one time in order to add a smaller but representative charge and then replacing the cover.

(e) Secondary aluminum processing unit. The owner or operator of a secondary aluminum processing unit must conduct performance tests as described in paragraphs (j)(1) through (3) of this section. The results of the performance tests are used to establish emission rates in lb/ton of feed/charge for PM, HCl and HF and micrograms TEQ/Mg of feed/charge for D/F emissions from each emission unit. These emission rates are used for compliance monitoring in the calculation of the 3-day, 24-hour rolling average emission rates using the equation in Sec. 63.1510(t). A performance test is required for:

(1) Each group 1 furnace processing only clean charge to measure emissions of PM and either:

(i) Emissions of HF and HCl (for the emission limit); or

(ii) The mass flow rate of HCl at the inlet to and outlet from the control device (for the percent reduction standard).

(2) Each group 1 furnace that processes scrap other than clean charge to measure emissions of PM and D/F and either:

(i) Emissions of HF and HCl (for the emission limit); or

(ii) The mass flow rate of HCl at the inlet to and outlet from the control device (for the percent reduction standard).

(3) Each in-line fluxer to measure emissions of PM and HCl.

(f) Feed/charge weight measurement. During the emission test(s) conducted to determine compliance with emission limits in a kg/Mg (lb/ton) format, the owner or operator of an affected source or emission unit, subject to an emission limit in a kg/Mg (lb/ton) of feed/charge format, must measure (or otherwise determine) and record the total weight of feed/charge to the affected source or emission unit for each of the three test runs and calculate and record the total weight. An owner or operator that chooses to demonstrate compliance on the basis of the aluminum production weight must measure the

weight of aluminum
produced by the emission unit or affected source instead of the feed/charge weight.

(g) Afterburner. These requirements apply to the owner or operator of an affected source using an afterburner to comply with the requirements of this subpart.

(1) Prior to the initial performance test, the owner or operator must conduct a performance evaluation for the temperature monitoring device according to the requirements of Sec. 63.8.

(2) The owner or operator must use these procedures to establish an operating parameter value or range for the afterburner operating temperature.

(i) Continuously measure and record the operating temperature of each afterburner every 15 minutes during the THC and D/F performance tests;

(ii) Determine and record the 15-minute block average temperatures for the three test runs; and

(iii) Determine and record the 3-hour block average temperature measurements for the 3 test runs.

(h) Inlet gas temperature. The owner or operator of a scrap dryer/delacquering kiln/decoating kiln or a group 1 furnace using a lime-injected fabric filter must use these procedures to establish an operating parameter value or range for the inlet gas temperature.

(1) Continuously measure and record the temperature at the inlet to the lime-injected fabric filter every 15 minutes during the HCl and D/F performance tests;

(2) Determine and record the 15-minute block average temperatures for the 3 test runs; and

(3) Determine and record the 3-hour block average of the recorded temperature measurements for the 3 test runs.

(i) Flux injection rate. The owner or operator must use these procedures to establish an operating parameter value or range for the total reactive chlorine flux injection rate and, for uncontrolled furnaces, the total reactive fluorine flux injection rate.

(1) Continuously measure and record the weight of

gaseous or liquid reactive flux injected for each 15 minute period during the HCl, HF and D/F tests, determine and record the 15-minute block average weights, and

calculate and record the total weight of the gaseous or liquid reactive flux for the 3 test runs;

(2) Record the identity, composition, and total weight of each addition of solid reactive flux for the 3 test runs;

(3) Determine the total reactive chlorine flux injection rate and, for uncontrolled furnaces, the total reactive fluorine flux injection rate by adding the recorded measurement of the total weight of chlorine in the gaseous or liquid reactive flux injected and the total weight of chlorine in the solid reactive flux using Equation 5 in section 63.1512:

(4) Divide the weight of total chlorine usage (total from equation 5) for the 3 test runs by the recorded measurement of the total weight of feed for the 3 test runs; and

(5) If a solid reactive flux other than magnesium chloride or potassium fluoride is used, the owner or operator must derive the appropriate proportion factor subject to approval by the applicable permitting authority.

(j) Lime Injection. The owner or operator of an affected source or emission unit using a lime-injected fabric filter system must use these procedures during the HCl and D/F tests to establish an operating parameter value for the feeder setting for each operating cycle or time period used in the performance test.

(1) For continuous lime injection systems, ensure that lime in the feed hopper or silo is free-flowing at all times; and

(2) Record the feeder setting for the 3 test runs. If the feed rate setting and lime injection rates vary during the runs, determine and record the average feed rate from the 3 runs.

(k) Bag leak detection system. The owner or operator of an affected source or emission unit using a bag leak detection system must submit the information described in Sec. 63.1515(b)(6) as part of the notification of compliance status report to document conformance with the specifications and requirements in

Sec. 63.1510(f).

(l) Labeling. The owner or operator of each scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace and in-line fluxer must submit the information described in Sec. 63.1515(b)(3) as part of the notification of compliance status report to document conformance with the operational standard in Sec. 63.1506(b).

(m) Capture/collection system. The owner or operator of a new or existing affected source or emission unit with an add-on control device must submit the information described in Sec. 63.1515(b)(2) as part of the notification of compliance status report to document conformance with the operational standard in Sec. 63.1506(c).

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 88: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1512, Subpart RRR**

**Item 88.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

Emission Unit: R-EMELT

**Item 88.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Performance test/compliance demonstration requirements and procedures.

(a) Aluminum scrap shredder. The owner or operator of an aluminum scrap shredder must conduct performance tests to measure PM emissions at the outlet of the control system. If visible emission observations is the selected monitoring option, the owner or operator must record visible emission observations from each exhaust stack for all consecutive 6-minute periods during the PM emission test according to the requirements of Method 9 in appendix A to 40 CFR part 60. If emissions observations by ASTM Method D7520-13 (incorporated by reference, see §63.14) is the selected monitoring option, the owner or operator must record opacity observations from each exhaust stack for all consecutive 6-minute periods during the PM emission test.

(b) Scrap dryer/delacquering kiln/decoating kiln. The owner or operator of a scrap dryer/delacquering kiln/decoating kilnmust conduct performancetests to measure emissions of THC, D/F, HCl, and PM at the outlet of the control device.

(1) If the scrap dryer/delacquering kiln/decoating kiln is subject to the alternative emission limits in Sec. 63.1505(e), the average afterburner operating temperature in each 3-hour block period must be maintained at or above 760 deg.C (1400 deg.F) for the test.

(2) The owner or operator of a scrap dryer/delacquering kiln/decoating kiln subject to the alternative limits in Sec. 63.1505(e) must submit a written certification in the notification of compliance status report containing the information required by Sec. 63.1515(b)(7).

(c) Group 1 furnace with add-on air pollution control devices.

(1) The owner or operator of a group 1 furnace that processes scrap other than clean charge materials with emissions controlled by a lime-injected fabric filter must conduct performance tests to measure emissions of PM and D/F at the outlet of the control device and emissions of HCl at the outlet (for the emission limit) or the inlet and the outlet (for the percent reduction standard).

(2) The owner or operator of a group 1 furnace that processes only clean charge materials with emissions controlled by a lime-injected fabric filter must conduct performance tests to measure emissions of PM at the outlet of the control device and emissions of HCl at the outlet (for the emission limit) or the inlet and the outlet (for the percent reduction standard).

(3) The owner or operator may choose to determine the rate of reactive flux addition to the group 1 furnace and assume, for the purposes of demonstrating compliance with the SAPU emission limit, that all reactive flux added to the group 1 furnace is emitted. Under these circumstances, the owner or operator is not required to conduct an emission test for HCl.

(4) The owner or operator of a sidewell group 1 furnace that conducts reactive fluxing (except for cover flux) in the hearth, or that conducts reactive fluxing in the sidewell at times when the level of molten metal falls below the top of the passage between the sidewell and the hearth, must conduct the performance tests required by paragraph (d)(1) or (d)(2) of this section, to measure emissions from both the sidewell and the hearth.

(d) Group 1 furnace (including melting holding furnaces) without add-on air pollution control devices. In

the site-specific monitoring plan required by §63.1510(o), the owner or operator of a group 1 furnace (including a melting/holding furnaces) without add-on air pollution control devices must include data and information demonstrating compliance with the applicable emission limits.

(1) If the group 1 furnace processes other than clean charge material, the owner or operator must conduct emission tests to measure emissions of PM, HCl, HF, and D/F at the furnace exhaust outlet.

(2) If the group 1 furnace processes only clean charge, the owner or operator must conduct emission tests to simultaneously measure emissions of PM, HCl and HF. A D/F test is not required. Each test must be conducted while the group 1 furnace (including a melting/holding furnace) processes only clean charge.

(3) The owner or operator may choose to determine the rate of reactive flux addition to the group 1 furnace and assume, for the purposes of demonstrating compliance with the SAPU emission limit, that all chlorine and fluorine contained in reactive flux added to the group 1 furnace is emitted as HCl and HF. Under these circumstances, the owner or operator is not required to conduct an emission test for HCl or HF.

(4) When testing an existing uncontrolled furnace, the owner or operator must comply with the requirements of either paragraphs (e)(4)(i), (ii) or (iii) of this section at the next required performance test required by §63.1511(e).

(i) Install hooding that meets ACGIH Guidelines (incorporated by reference, see §63.14), or

(ii) At least 180 days prior to testing petition the permitting authority for major sources, or the Administrator for area sources, that such hoods are impractical under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to the paragraph (e)(7) of this section, or

(iii) Assume an 80-percent capture efficiency for the furnace exhaust (i.e., multiply emissions measured at the furnace exhaust outlet by 1.25). If the source fails to demonstrate compliance using the 80-percent capture efficiency assumption, the owner or operator must re-test with a hood that meets the ACGIH Guidelines within 180 days, or petition the permitting authority for major

sources, or the Administrator for area sources, within 180 days that such hoods are impractical under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to paragraph (e)(7) of this section.

(iv) The 80-percent capture efficiency assumption is not applicable in the event of testing conducted under an approved petition submitted pursuant to paragraphs (e)(4)(ii) or (iii) of this section.

(v) Round top furnaces constructed before February 14, 2012, and reconstructed round top furnaces are exempt from the requirements of paragraphs (e)(4)(i) and (ii) of this section. Round top furnaces must be operated to minimize unmeasured emissions according to paragraph (e)(7) of this section.

(5) When testing a new uncontrolled furnace constructed after February 14, 2012, the owner or operator must install hooding that meets ACGIH Guidelines (incorporated by reference, see §63.14) or petition the permitting authority for major sources, or the Administrator for area sources, that such hoods are impracticable under the provisions of paragraph (e)(6) of this section and propose testing procedures that will minimize unmeasured emissions during the performance test according to the provisions of paragraph (e)(7).

(6) The installation of hooding that meets ACGIH Guidelines (incorporated by reference, see §63.14) is considered impractical if any of the following conditions exist:

(i) Building or equipment obstructions (for example, wall, ceiling, roof, structural beams, utilities, overhead crane or other obstructions) are present such that the temporary hood cannot be located consistent with acceptable hood design and installation practices;

(ii) Space limitations or work area constraints exist such that the temporary hood cannot be supported or located to prevent interference with normal furnace operations or avoid unsafe working conditions for the furnace operator; or

(iii) Other obstructions and limitations subject to agreement of the permitting authority for major sources, or the Administrator for area sources.

(7) Testing procedures that will minimize unmeasured

emissions may include, but are not limited to the following:

(i) Installing a hood that does not entirely meet ACGIH guidelines;

(ii) Using the building as an enclosure, and measuring emissions exhausted from the building if there are no other furnaces or other significant sources in the building of the pollutants to be measured;

(iii) Installing temporary baffles on those sides or top of furnace opening if it is practical to do so where they will not interfere with material handling or with the furnace door opening and closing;

(iv) Minimizing the time the furnace doors are open or the top is off;

(v) Delaying gaseous reactive fluxing until charging doors are closed and, for round top furnaces, until the top is on;

(vi) Agitating or stirring molten metal as soon as practicable after salt flux addition and closing doors as soon as possible after solid fluxing operations, including mixing and dross removal;

(vii) Keeping building doors and other openings closed to the greatest extent possible to minimize drafts that would divert emissions from being drawn into the furnace;

(viii) Maintaining burners on low-fire or pilot operation while the doors are open or the top is off;

(ix) Use of fans or other device to direct flow into a furnace when door is open; or

(x) Removing the furnace cover one time in order to add a smaller but representative charge and then replacing the cover.

(e) Secondary aluminum processing unit. The owner or operator of a secondary aluminum processing unit must conduct performance tests as described in paragraphs (j)(1) through (3) of this section. The results of the performance tests are used to establish emission rates in lb/ton of feed/charge for PM, HCl and HF and micrograms TEQ/Mg of feed/charge for D/F emissions from each emission unit. These emission rates are used for compliance monitoring in the calculation of the 3-day, 24-hour

rolling average emission rates using the equation in Sec. 63.1510(t). A performance test is required for:

(1) Each group 1 furnace processing only clean charge to measure emissions of PM and either:

(i) Emissions of HF and HCl (for the emission limit); or

(ii) The mass flow rate of HCl at the inlet to and outlet from the control device (for the percent reduction standard).

(2) Each group 1 furnace that processes scrap other than clean charge to measure emissions of PM and D/F and either:

(i) Emissions of HF and HCl (for the emission limit); or

(ii) The mass flow rate of HCl at the inlet to and outlet from the control device (for the percent reduction standard).

(3) Each in-line fluxer to measure emissions of PM and HCl.

(f) Feed/charge weight measurement. During the emission test(s) conducted to determine compliance with emission limits in a kg/Mg (lb/ton) format, the owner or operator of an affected source or emission unit, subject to an emission limit in a kg/Mg (lb/ton) of feed/charge format, must measure (or otherwise determine) and record the total weight of feed/charge to the affected source or emission unit for each of the three test runs and calculate and record the total weight. An owner or operator that chooses to demonstrate compliance on the basis of the aluminum production weight must measure the weight of aluminum
produced by the emission unit or affected source instead of the feed/charge weight.

(g) Afterburner. These requirements apply to the owner or operator of an affected source using an afterburner to comply with the requirements of this subpart.

(1) Prior to the initial performance test, the owner or operator must conduct a performance evaluation for the temperature monitoring device according to the requirements of Sec. 63.8.

(2) The owner or operator must use these procedures to establish an operating parameter value or range for the afterburner operating temperature.

(i) Continuously measure and record the operating temperature of each afterburner every 15 minutes during the THC and D/F performance tests;

(ii) Determine and record the 15-minute block average temperatures for the three test runs; and

(iii) Determine and record the 3-hour block average temperature measurements for the 3 test runs.

(h) Inlet gas temperature. The owner or operator of a scrap dryer/delacquering kiln/decoating kiln or a group 1 furnace using a lime-injected fabric filter must use these procedures to establish an operating parameter value or range for the inlet gas temperature.

(1) Continuously measure and record the temperature at the inlet to the lime-injected fabric filter every 15 minutes during the HCl and D/F performance tests;

(2) Determine and record the 15-minute block average temperatures for the 3 test runs; and

(3) Determine and record the 3-hour block average of the recorded temperature measurements for the 3 test runs.

(i) Flux injection rate. The owner or operator must use these procedures to establish an operating parameter value or range for the total reactive chlorine flux injection rate and, for uncontrolled furnaces, the total reactive fluorine flux injection rate.

(1) Continuously measure and record the weight of gaseous or liquid reactive flux injected for each 15 minute period during the HCl, HF and D/F tests, determine and record the 15-minute block average weights, and

calculate and record the total weight of the gaseous or liquid reactive flux for the 3 test runs;

(2) Record the identity, composition, and total weight of each addition of solid reactive flux for the 3 test runs;

(3) Determine the total reactive chlorine flux injection rate and, for uncontrolled furnaces, the total reactive fluorine flux injection rate by adding the

recorded measurement of the total weight of chlorine in the gaseous or liquid reactive flux injected and the total weight of chlorine in the solid reactive flux using Equation 5 in section 63.1512:

(4) Divide the weight of total chlorine usage (total from equation 5) for the 3 test runs by the recorded measurement of the total weight of feed for the 3 test runs; and

(5) If a solid reactive flux other than magnesium chloride or potassium fluoride is used, the owner or operator must derive the appropriate proportion factor subject to approval by the applicable permitting authority.

(j) Lime Injection. The owner or operator of an affected source or emission unit using a lime-injected fabric filter system must use these procedures during the HCl and D/F tests to establish an operating parameter value for the feeder setting for each operating cycle or time period used in the performance test.

(1) For continuous lime injection systems, ensure that lime in the feed hopper or silo is free-flowing at all times; and

(2) Record the feeder setting for the 3 test runs. If the feed rate setting and lime injection rates vary during the runs, determine and record the average feed rate from the 3 runs.

(k) Bag leak detection system. The owner or operator of an affected source or emission unit using a bag leak detection system must submit the information described in Sec. 63.1515(b)(6) as part of the notification of compliance status report to document conformance with the specifications and requirements in Sec. 63.1510(f).

(l) Labeling. The owner or operator of each scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace and in-line fluxer must submit the information described in Sec. 63.1515(b)(3) as part of the notification of compliance status report to document conformance with the operational standard in Sec. 63.1506(b).

(m) Capture/collection system. The owner or operator of a new or existing affected source or emission unit with an add-on control device must submit the information described in Sec. 63.1515(b)(2) as part of the

notification of compliance status report to document conformance with the operational standard in Sec. 63.1506(c).

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 3-16: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1513, Subpart RRR**

**Item 3-16.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1

**Item 3-16.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
40 CFR 63.13(f).

Periods of startup and shutdown. For a new or existing affected source, or a new or existing emission unit subject to an emissions limit in paragraphs §63.1505(b) through (j) expressed in units of pounds per ton of feed/charge, or µg TEQ or ng TEQ per Mg of feed/charge, demonstrate compliance during periods of startup and shutdown in accordance with paragraph (f)(1) of this section or determine your emissions per unit of feed/charge during periods of startup and shutdown in accordance with paragraph (f)(2) of this section. Startup and shutdown emissions for group 1 furnaces and in-line fluxers must be calculated individually, and not on the basis of a SAPU. Periods of startup and shutdown are excluded from the calculation of SAPU emission limits in §63.1505(k), the SAPU monitoring requirements in §63.1510(t) and the SAPU emissions calculations in §63.1513(e).

(1) For periods of startup and shutdown, records establishing a feed/charge rate of zero, a flux rate of zero, and that the affected source or emission unit was either heated with electricity, propane or natural gas as

the sole sources of heat or was not heated, may be used to demonstrate compliance with the emission limit, or

(2) For periods of startup and shutdown, divide your measured emissions in lb/hr or µg/hr or ng/hr by the feed/charge rate in tons/hr or Mg/hr from your most recent performance test associated with a production rate greater than zero, or the rated capacity of the affected source if no prior performance test data is available.

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

**Condition 89: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1513, Subpart RRR**

**Item 89.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1

Emission Unit: R-C2CLD

Emission Unit: R-C2HOT

Emission Unit: R-EMELT

**Item 89.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
40 CFR 63.13(f).

Periods of startup and shutdown. For a new or existing affected source, or a new or existing emission unit subject to an emissions limit in paragraphs §63.1505(b) through (j) expressed in units of pounds per ton of feed/charge, or µg TEQ or ng TEQ per Mg of feed/charge, demonstrate compliance during periods of startup and shutdown in accordance with paragraph (f)(1) of this section or determine your emissions per unit of feed/charge during periods of startup and shutdown in accordance with paragraph (f)(2) of this section. Startup and shutdown emissions for group 1 furnaces and in-line fluxers must be calculated individually, and not on the

basis of a SAPU. Periods of startup and shutdown are excluded from the calculation of SAPU emission limits in §63.1505(k), the SAPU monitoring requirements in §63.1510(t) and the SAPU emissions calculations in §63.1513(e).

(1) For periods of startup and shutdown, records establishing a feed/charge rate of zero, a flux rate of zero, and that the affected source or emission unit was either heated with electricity, propane or natural gas as the sole sources of heat or was not heated, may be used to demonstrate compliance with the emission limit, or

(2) For periods of startup and shutdown, divide your measured emissions in lb/hr or µg/hr or ng/hr by the feed/charge rate in tons/hr or Mg/hr from your most recent performance test associated with a production rate greater than zero, or the rated capacity of the affected source if no prior performance test data is available.

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

**Condition 90: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1514, Subpart RRR**

**Item 90.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1

Emission Unit: R-C2CLD

Emission Unit: R-C2HOT

Emission Unit: R-EMELT

**Item 90.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. The owner or operator of group 1 furnace is allowed to change the operating mode of the furnace up to four times in any six moth period unless the Department grants approval.

2. An owner may change operating modes as described in 40 CFR 63.1514(a), (b), (c), and (d), provided he or she complies with those requirements, including testing/

3. The owner or operator must maintain records of the nature of each mode change (controlled to uncontrolled, or uncontrolled to controlled), the time the change is initiated, and the time the exhaust gas is diverted from control device to bypass or bypass to control device.

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

**Condition 91: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1515(b), Subpart RRR**

**Item 91.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1

Emission Unit: R-C2CLD

Emission Unit: R-C2HOT

Emission Unit: R-EMELT

**Item 91.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(b) Notification of compliance status report. Each owner or operator of a new affected source must submit a notification of compliance status report within 90 days after conducting the initial performance test required by §63.1511(b). The notification must be signed by the responsible official who must certify its accuracy. A complete notification of compliance status report must include the information specified in paragraphs (a)(1),(2), (3), (4), (9), and (10) of this section. The

required information may be submitted in an operating permit application, in an amendment to an operating permit application, in a separate submittal, or in any combination. In a State with an approved operating permit program where delegation of authority under section 112(l) of the CAA has not been requested or approved, the owner or operator must provide duplicate notification to the applicable Regional Administrator. If an owner or operator submits the information specified in this section at different times or in different submittals, later submittals may refer to earlier submittals instead of duplicating and resubmitting the information previously submitted. A complete notification of compliance status report must include:

(1) All information required in §63.9(h). The owner or operator must provide a complete performance test report for each affected source and emission unit for which a performance test is required. A complete performance test report includes all data, associated measurements, and calculations (including visible emission and opacity tests).

(2) The approved site-specific test plan and performance evaluation test results for each continuous monitoring system (including a continuous emission or opacity monitoring system).

(3) Unit labeling as described in §63.1506(b), including process type or furnace classification and operating requirements.

(4) The compliant operating parameter value or range established for each affected source or emission unit with supporting documentation and a description of the procedure used to establish the value (e.g., lime injection rate, total reactive chlorine flux injection rate, total reactive fluorine flux injection rate for uncontrolled group 1 furnaces, afterburner operating temperature, fabric filter inlet temperature), including the operating cycle or time period used in the performance test.

(9) The OM&M plan (including site-specific monitoring plan for each group 1 furnace with no add-on air pollution control device).

(10) Startup, shutdown, and malfunction plan, with revisions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 3-17: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1516, Subpart RRR**

**Item 3-17.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-17.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Reports.

(a) Reserved.

(b) Excess emissions/summary report. As required by Sec. 63.10(e)(3), the owner or operator must submit semiannual reports within 60 days after the end of each 6-month period. Each report must contain the information specified in Sec. 63.10(c). When no deviations of parameters have occurred, the owner or operator must submit a report stating that no excess emissions occurred during the reporting period.

(1) A report must be submitted if any of these conditions occur during a 6-month reporting period:

(i) The corrective action specified in the OM&M plan for a bag leak detection system alarm was not initiated within 1 hour.

(ii) The corrective action specified in the OM&M plan for a continuous opacity monitoring deviation was not initiated within 1 hour.

(iii) The corrective action specified in the OM&M plan for visible emissions from an aluminum scrap shredder was not initiated within 1 hour.

(iv) An excursion of a compliant process or operating parameter value or range (e.g., lime injection rate or screw feeder setting, total reactive chlorine flux injection rate, afterburner operating temperature, fabric filter inlet temperature, definition of acceptable scrap, or other approved operating parameter).

(v) An action taken during a startup, shutdown, or malfunction was not consistent with the procedures in the plan as described in Sec. 63.6(e)(3).

(vi) An affected source (including an emission unit in a secondary aluminum processing unit) was not operated according to the requirements of this subpart.

(vii) A deviation from the 3-day, 24-hour rolling average emission limit for a secondary aluminum processing unit.

(2) Each report must include each of these certifications, as applicable:

(i) For each sidewell group 1 furnace with add-on air pollution control devices: ``Each furnace was operated such that the level of molten metal remained above the top of the passage between the sidewell and hearth during reactive fluxing, and reactive flux, except for cover flux, was added only to the sidewell or to a furnace hearth equipped with an add-on air pollution control device for PM, HCl, and D/F emissions during this reporting period."

(ii) For each group 1 melting/holding furnace without add-on air pollution control devices and using pollution prevention measures that processes only clean charge material: “Each group 1 furnace without add-on air pollution control devices subject to emission limits in §63.1505(i)(2) processed only clean charge during this reporting period.”

(iii) For each group 2 furnace: “Only clean charge materials were processed in any group 2 furnace during this reporting period, and no fluxing was performed or all fluxing performed was conducted using only nonreactive, non-HAP-containing/non-HAP-generating fluxing gases or agents, except for cover fluxes, during this reporting period.”

(iv) For each in-line fluxer using no reactive flux: “Only nonreactive, non-HAP-containing, non-HAP-generating flux gases, agents, or materials were used at any time during this reporting period.”

(v) For each affected source choosing to demonstrate compliance during periods of startup and shutdown in accordance with §63.1513(f)(1): “During each startup and shutdown, no flux and no feed/charge were added to the emission unit, and electricity, propane or natural gas were used as the sole source of heat or the emission unit was not heated.”

(3) The owner or operator must submit the results of any performance test conducted during the reporting period, including one complete report documenting test methods and procedures, process operation, and monitoring parameter ranges or values for each test method used for a particular type of emission point tested.

(A) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the

EPA's ERT Web site (http://www.epa.gov/ttn/chief/ert/index.html), you must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (http://cdx.epa.gov/epa_home.asp). Performance test data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, you may submit performance test data in an electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT Web site once the XML schema is available. If you claim that some of the performance test information being submitted is confidential business information (CBI), you must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Web site, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this paragraph.

(B) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT Web site, you must submit the results of the performance test to the Administrator at the appropriate address listed in §63.13.

(c) Annual compliance certifications. For the purpose of annual certifications of compliance required by 40 CFR part 70 or 71, the owner or operator must certify continuing compliance based upon, but not limited to, the following conditions:

(1) Any period of excess emissions, as defined in paragraph (b)(1) of this section, that occurred during the year were reported as required by this subpart; and

(2) All monitoring, recordkeeping, and reporting requirements were met during the year.

(d) If there was a malfunction during the reporting period, the owner or operator must submit a report that includes the emission unit ID, monitor ID, pollutant or parameter monitored, beginning date and time of the event, end date and time of the event, cause of the deviation or exceedance and corrective action taken for each

malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must include a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions, including, but not limited to, product-loss calculations, mass balance calculations, measurements when available, or engineering judgment based on known process parameters. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §§63.1506(a)(5) and 63.1520(a)(8).

(e) All reports required by this subpart not subject to the requirements in paragraph (b) of this section must be sent to the Administrator at the appropriate address listed in §63.13. If acceptable to both the Administrator and the owner or operator of a source, these reports may be submitted on electronic media. The Administrator retains the right to require submittal of reports subject to paragraph (b) of this section in paper format.

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

**Condition 92: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1516, Subpart RRR**

**Item 92.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 92.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Reports.

(a) Reserved.

(b) Excess emissions/summary report. As required by Sec. 63.10(e)(3), the owner or operator must submit semiannual reports within 60 days after the end of each 6-month period. Each report must contain the information specified in Sec. 63.10(c). When no deviations of parameters have occurred, the owner or operator must submit a report stating that no excess emissions occurred during the reporting period.

(1) A report must be submitted if any of these conditions occur during a 6-month reporting period:

(i) The corrective action specified in the OM&M plan for a bag leak detection system alarm was not initiated within 1 hour.

(ii) The corrective action specified in the OM&M plan for a continuous opacity monitoring deviation was not initiated within 1 hour.

(iii) The corrective action specified in the OM&M plan for visible emissions from an aluminum scrap shredder was not initiated within 1 hour.

(iv) An excursion of a compliant process or operating parameter value or range (e.g., lime injection rate or screw feeder setting, total reactive chlorine flux injection rate, afterburner operating temperature, fabric filter inlet temperature, definition of acceptable scrap, or other approved operating parameter).

(v) An action taken during a startup, shutdown, or malfunction was not consistent with the procedures in the plan as described in Sec. 63.6(e)(3).

(vi) An affected source (including an emission unit in a secondary aluminum processing unit) was not operated according to the requirements of this subpart.

(vii) A deviation from the 3-day, 24-hour rolling average emission limit for a secondary aluminum processing unit.

(2) Each report must include each of these certifications, as applicable:

(i) For each sidewell group 1 furnace with add-on air pollution control devices: ``Each furnace was operated such that the level of molten metal remained above the top of the passage between the sidewell and hearth during reactive fluxing, and reactive flux, except for cover flux, was added only to the sidewell or to a furnace hearth equipped with an add-on air pollution control device for PM, HCl, and D/F emissions during this reporting period."

(ii) For each group 1 melting/holding furnace without add-on air pollution control devices and using pollution prevention measures that processes only clean charge material: “Each group 1 furnace without add-on air pollution control devices subject to emission limits in §63.1505(i)(2) processed only clean charge during this reporting period.”

(iii) For each group 2 furnace: “Only clean charge materials were processed in any group 2 furnace during this reporting period, and no fluxing was performed or all

fluxing performed was conducted using only nonreactive, non-HAP-containing/non-HAP-generating fluxing gases or agents, except for cover fluxes, during this reporting period."

(iv) For each in-line fluxer using no reactive flux: "Only nonreactive, non-HAP-containing, non-HAP-generating flux gases, agents, or materials were used at any time during this reporting period."

(v) For each affected source choosing to demonstrate compliance during periods of startup and shutdown in accordance with §63.1513(f)(1): "During each startup and shutdown, no flux and no feed/charge were added to the emission unit, and electricity, propane or natural gas were used as the sole source of heat or the emission unit was not heated."

(3) The owner or operator must submit the results of any performance test conducted during the reporting period, including one complete report documenting test methods and procedures, process operation, and monitoring parameter ranges or values for each test method used for a particular type of emission point tested.

(A) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT Web site (http://www.epa.gov/ttn/chief/ert/index.html), you must submit the results of the performance test to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (http://cdx.epa.gov/epa_home.asp). Performance test data must be submitted in a file format generated through the use of the EPA's ERT. Alternatively, you may submit performance test data in an electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT Web site once the XML schema is available. If you claim that some of the performance test information being submitted is confidential business information (CBI), you must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Web site, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this

paragraph.

(B) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT Web site, you must submit the results of the performance test to the Administrator at the appropriate address listed in §63.13.

(c) Annual compliance certifications. For the purpose of annual certifications of compliance required by 40 CFR part 70 or 71, the owner or operator must certify continuing compliance based upon, but not limited to, the following conditions:

(1) Any period of excess emissions, as defined in paragraph (b)(1) of this section, that occurred during the year were reported as required by this subpart; and

(2) All monitoring, recordkeeping, and reporting requirements were met during the year.

(d) If there was a malfunction during the reporting period, the owner or operator must submit a report that includes the emission unit ID, monitor ID, pollutant or parameter monitored, beginning date and time of the event, end date and time of the event, cause of the deviation or exceedance and corrective action taken for each malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must include a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions, including, but not limited to, product-loss calculations, mass balance calculations, measurements when available, or engineering judgment based on known process parameters. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §§63.1506(a)(5) and 63.1520(a)(8).

(e) All reports required by this subpart not subject to the requirements in paragraph (b) of this section must be sent to the Administrator at the appropriate address listed in §63.13. If acceptable to both the Administrator and the owner or operator of a source, these reports may be submitted on electronic media. The Administrator retains the right to require submittal of reports subject to paragraph (b) of this section in paper format.

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

**Condition 3-18: Compliance Certification**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1517, Subpart RRR**

**Item 3-18.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2CLD
Process: R2C Emission Source: RCCBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 3-18.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Records

(a) As required by Sec. 63.10(b), the owner or operator shall maintain files of all information (including all reports and notifications) required by the general provisions and this subpart.

(1) The owner or operator must retain each record for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent 2 years of records must be retained at the facility. The remaining 3 years of records may be retained off site.

(2) The owner or operator may retain records on microfilm, computer disks, magnetic tape, or microfiche; and

(3) The owner or operator may report required information on paper or on a labeled computer disk using commonly available and EPA-compatible computer software.

(b) In addition to the general records required by Sec. 63.10(b), the owner or operator of a new or existing affected source (including an emission unit in a secondary aluminum processing unit) must maintain records of:

(1) For each affected source and emission unit with emissions controlled by a fabric filter or a lime-injected fabric filter:

If a bag leak detection system is used, the number of total operating hours for the affected source or emission unit during each 6-month reporting period, records of each alarm, the time of the alarm, the time corrective action was initiated and completed, and a brief description of the cause of the alarm and the corrective action(s) taken.

(2) For each affected source with emissions controlled by an afterburner:

(i) Records of 15-minute block average afterburner operating temperature, including any period when the average temperature in any 3-hour block period falls below the compliant operating parameter value with a brief explanation of the cause of the excursion and the corrective action taken; and

(ii) Records of annual afterburner inspections.

(3) For each scrap dryer/delacquering kiln/decoating kiln and group 1 furnace, subject to D/F and HCl emission standards with emissions controlled by a lime-injected fabric filter, records of 15-minute block average inlet temperatures for each lime-injected fabric filter, including any period when the 3-hour block average temperature exceeds the compliant operating parameter value +14 deg.C (+25 deg.F), with a brief explanation of the cause of the excursion and the corrective action taken.

(4) For each affected source and emission unit with emissions controlled by a lime-injected fabric filter:

(i) Records of inspections at least once every 8-hour period verifying that lime is present in the feeder hopper or silo and flowing, including any inspection where blockage is found, with a brief explanation of the cause of the blockage and the corrective action taken, and records of inspections at least once every 4-hour period for the subsequent 3 days. If flow monitors, pressure drop sensors or load cells are used to verify that lime is present in the hopper and flowing, records of all monitor or sensor output including any event where blockage was found, with a brief explanation of the cause of the blockage and the corrective action taken;

(ii) If lime feeder setting is monitored, records of daily inspections of feeder setting, including records of any deviation of the feeder setting from the setting used in the performance test, with a brief explanation of the cause of the deviation and the corrective action taken.

(iii) If lime addition rate for a noncontinuous lime injection system is monitored pursuant to the approved alternative monitoring requirements in Sec. 63.1510(v), records of the time and mass of each lime addition during each operating cycle or time period used in the performance test and calculations of the average lime addition rate (lb/ton of feed/charge).

(5) For each group 1 furnace (with or without add-on air pollution control devices) or in-line fluxer, records of 15-minute block average weights of gaseous or liquid reactive flux injection, total reactive flux injection rate and calculations (including records of the identity, composition, and weight of each addition of gaseous, liquid or solid reactive flux), including records of any period the rate exceeds the compliant operating parameter value and corrective action taken.

(6) For each continuous monitoring system, records required by Sec. 63.10(c).

(7) For each affected source and emission unit subject to an emission standard in kg/Mg (lb/ton) of feed/charge, records of feed/charge (or throughput) weights for each operating cycle or time period used in the performance test.

(8) Approved site-specific monitoring plan for a group 1 furnace without add-on air pollution control devices with records documenting conformance with the plan.

(9) Operating logs for each group 1 sidewell furnace with add-on air pollution control devices documenting conformance with operating standards for maintaining the level of molten metal above the top of the passage between the sidewell and hearth during reactive flux injection and for adding reactive flux only to the sidewell or a furnace hearth equipped with a control device for PM, HCl, and D/F emissions.

(10) Records of monthly inspections for proper unit labeling for each affected source and emission unit subject to labeling requirements.

(11) Records of annual inspections of emission capture/collection and closed vent systems.

(12) Records of all charge materials and fluxing materials or agents for a group 2 furnace.

(13) Records of monthly inspections for proper unit labeling for each affected source and emission unit subject to labeling requirements.

(14) Records of annual inspections of emission capture/collection and closed vent systems or, if the alternative to the annual flow rate measurements is used, records of differential pressure; fan RPM or fan motor amperage; static pressure measurements; or duct centerline velocity using a hotwire anemometer, ultrasonic flow

meter, cross-duct pressure differential sensor, venturi pressure differential monitoring or orifice plate equipped with an associated thermocouple, as appropriate.

(15) Records for any approved alternative monitoring or test procedure.

(16) Current copy of all required plans, including any revisions, with records documenting conformance with the applicable plan, including:

(i) Startup, shutdown, and malfunction plan;

(ii) For major sources, OM&M plan; and

(iii) Site-specific secondary aluminum processing unit emission plan (if applicable).

(17) For each secondary aluminum processing unit, records of total charge weight, or if the owner or operator chooses to comply on the basis of aluminum production, total aluminum produced for each 24-hour

period and calculations of 3-day, 24-hour rolling average emissions.

(18) For any failure to meet an applicable standard, the owner or operator must maintain the following records;

(i) Records of the emission unit ID, monitor ID, pollutant or parameter monitored, beginning date and time of the event, end date and time of the event, cause of the deviation or exceedance and corrective action taken.

(ii) Records of actions taken during periods of malfunction to minimize emissions in accordance with §§63.1506(a)(5) and 63.1520(a)(8), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(19) For each period of startup or shutdown for which the owner or operator chooses to demonstrate compliance for an affected source, the owner or operator must comply with (b)(19)(i) or (ii) of this section.

(i) To demonstrate compliance based on a feed/charge rate of zero, a flux rate of zero and the use of electricity, propane or natural gas as the sole sources of heating or the lack of heating, the owner or operator must submit a

semiannual report in accordance with §63.1516(b)(2)(vii) or maintain the following records:

(A) The date and time of each startup and shutdown;

(B) The quantities of feed/charge and flux introduced during each startup and shutdown; and

(C) The types of fuel used to heat the unit, or that no fuel was used, during startup and shutdown; or

(ii) To demonstrate compliance based on performance tests, the owner or operator must maintain the following records:

(A) The date and time of each startup and shutdown;

(B) The measured emissions in lb/hr or µg/hr or ng/hr;

(C) The measured feed/charge rate in tons/hr or Mg/hr from your most recent performance test associated with a production rate greater than zero, or the rated capacity of the affected source if no prior performance test data is available; and

(D) An explanation to support that such conditions are considered representative startup and shutdown operations.

(20) For owners or operators that choose to change furnace operating modes, the following records must be maintained:

(i) The date and time of each change in furnace operating mode, and

(ii)The nature of the change in operating mode (for example, group 1 controlled furnace processing other than clean charge to group 2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 93: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1517, Subpart RRR**

**Item 93.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1F

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0RC1G

Emission Unit: 0-00RC1
Process: RC1 Emission Source: RC1BH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CBH

Emission Unit: R-C2CLD
Process: R2C Emission Source: R2CLD

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HBH

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2HOT

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2INC

Emission Unit: R-C2HOT
Process: R2H Emission Source: R2VNT

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FD

Emission Unit: R-C2HOT
Process: R2H Emission Source: RC2FE

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRD

Emission Unit: R-C2HOT
Process: R2H Emission Source: SONRE

**Item 93.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Records

(a) As required by Sec. 63.10(b), the owner or operator shall maintain files of all information (including all reports and notifications) required by the general provisions and this subpart.

(1) The owner or operator must retain each record for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent 2 years of records must be retained at the facility. The remaining 3 years of records may be retained off site.

(2) The owner or operator may retain records on microfilm, computer disks, magnetic tape, or microfiche; and

(3) The owner or operator may report required information on paper or on a labeled computer disk using commonly available and EPA-compatible computer software.

(b) In addition to the general records required by Sec. 63.10(b), the owner or operator of a new or existing affected source (including an emission unit in a secondary aluminum processing unit) must maintain records of:

(1) For each affected source and emission unit with emissions controlled by a fabric filter or a lime-injected fabric filter:

If a bag leak detection system is used, the number of total operating hours for the affected source or emission unit during each 6-month reporting period, records of each alarm, the time of the alarm, the time corrective action was initiated and completed, and a brief description of the cause of the alarm and the corrective action(s) taken.

(2) For each affected source with emissions controlled by an afterburner:

(i) Records of 15-minute block average afterburner operating temperature, including any period when the average temperature in any 3-hour block period falls below the compliant operating parameter value with a brief explanation of the cause of the excursion and the corrective action taken; and

(ii) Records of annual afterburner inspections.

(3) For each scrap dryer/delacquering kiln/decoating kiln and group 1 furnace, subject to D/F and HCl emission standards with emissions controlled by a lime-injected fabric filter, records of 15-minute block average inlet temperatures for each lime-injected fabric filter, including any period when the 3-hour block average temperature exceeds the compliant operating parameter value +14 deg.C (+25 deg.F), with a brief explanation of the cause of the excursion and the corrective action taken.

(4) For each affected source and emission unit with emissions controlled by a lime-injected fabric filter:

(i) Records of inspections at least once every 8-hour period verifying that lime is present in the feeder hopper or silo and flowing, including any inspection where blockage is found, with a brief explanation of the cause of the blockage and the corrective action taken, and records of inspections at least once every 4-hour period for the subsequent 3 days. If flow monitors, pressure drop sensors or load cells are used to verify that lime is present in the hopper and flowing, records of all monitor or sensor output including any event where blockage was found, with a brief explanation of the cause of the blockage and the corrective action taken;

(ii) If lime feeder setting is monitored, records of daily inspections of feeder setting, including records of any deviation of the feeder setting from the setting used in the performance test, with a brief explanation of the cause of the deviation and the corrective action taken.

(iii) If lime addition rate for a noncontinuous lime injection system is monitored pursuant to the approved alternative monitoring requirements in Sec. 63.1510(v), records of the time and mass of each lime addition during each operating cycle or time period used in the performance test and calculations of the average lime addition rate (lb/ton of feed/charge).

(5) For each group 1 furnace (with or without add-on air pollution control devices) or in-line fluxer, records of 15-minute block average weights of gaseous or liquid reactive flux injection, total reactive flux injection rate and calculations (including records of the identity, composition, and weight of each addition of gaseous, liquid or solid reactive flux), including records of any period the rate exceeds the compliant operating parameter value and corrective action taken.

(6) For each continuous monitoring system, records required by Sec. 63.10(c).

(7) For each affected source and emission unit subject to an emission standard in kg/Mg (lb/ton) of feed/charge, records of feed/charge (or throughput) weights for each operating cycle or time period used in the performance test.

(8) Approved site-specific monitoring plan for a group 1 furnace without add-on air pollution control devices with records documenting conformance with the plan.

(9) Operating logs for each group 1 sidewell furnace with add-on air pollution control devices documenting conformance with operating standards for maintaining the level of molten metal above the top of the passage between the sidewell and hearth during reactive flux injection and for adding reactive flux only to the sidewell or a furnace hearth equipped with a control device for PM, HCl, and D/F emissions.

(10) Records of monthly inspections for proper unit labeling for each affected source and emission unit subject to labeling requirements.

(11) Records of annual inspections of emission capture/collection and closed vent systems.

(12) Records of all charge materials and fluxing materials or agents for a group 2 furnace.

(13) Records of monthly inspections for proper unit labeling for each affected source and emission unit subject to labeling requirements.

(14) Records of annual inspections of emission capture/collection and closed vent systems or, if the alternative to the annual flow rate measurements is used, records of differential pressure; fan RPM or fan motor amperage; static pressure measurements; or duct centerline velocity using a hotwire anemometer, ultrasonic flow meter, cross-duct pressure differential sensor, venturi pressure differential monitoring or orifice plate equipped with an associated thermocouple, as appropriate.

(15) Records for any approved alternative monitoring or test procedure.

(16) Current copy of all required plans, including any revisions, with records documenting conformance with the

applicable plan, including:

(i) Startup, shutdown, and malfunction plan;

(ii) For major sources, OM&M plan; and

(iii) Site-specific secondary aluminum processing unit emission plan (if applicable).

(17) For each secondary aluminum processing unit, records of total charge weight, or if the owner or operator chooses to comply on the basis of aluminum production, total aluminum produced for each 24-hour

period and calculations of 3-day, 24-hour rolling average emissions.

(18) For any failure to meet an applicable standard, the owner or operator must maintain the following records;

(i) Records of the emission unit ID, monitor ID, pollutant or parameter monitored, beginning date and time of the event, end date and time of the event, cause of the deviation or exceedance and corrective action taken.

(ii) Records of actions taken during periods of malfunction to minimize emissions in accordance with §§63.1506(a)(5) and 63.1520(a)(8), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(19) For each period of startup or shutdown for which the owner or operator chooses to demonstrate compliance for an affected source, the owner or operator must comply with (b)(19)(i) or (ii) of this section.

(i) To demonstrate compliance based on a feed/charge rate of zero, a flux rate of zero and the use of electricity, propane or natural gas as the sole sources of heating or the lack of heating, the owner or operator must submit a semiannual report in accordance with §63.1516(b)(2)(vii) or maintain the following records:

(A) The date and time of each startup and shutdown;

(B) The quantities of feed/charge and flux introduced during each startup and shutdown; and

(C) The types of fuel used to heat the unit, or that no

fuel was used, during startup and shutdown; or

(ii) To demonstrate compliance based on performance tests, the owner or operator must maintain the following records:

(A) The date and time of each startup and shutdown;

(B) The measured emissions in lb/hr or µg/hr or ng/hr;

(C) The measured feed/charge rate in tons/hr or Mg/hr from your most recent performance test associated with a production rate greater than zero, or the rated capacity of the affected source if no prior performance test data is available; and

(D) An explanation to support that such conditions are considered representative startup and shutdown operations.

(20) For owners or operators that choose to change furnace operating modes, the following records must be maintained:

(i) The date and time of each change in furnace operating mode, and

(ii)The nature of the change in operating mode (for example, group 1 controlled furnace processing other than clean charge to group 2).

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 94: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable Federal Requirement:40CFR 63.1518, Subpart RRR**

**Item 94.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Emission Unit: 0-00RC1

Emission Unit: R-C2CLD

Emission Unit: R-C2HOT

Emission Unit: R-EMELT

**Item 94.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The requirements of the general provisions in 40CFR 63 Subpart A that are applicable to the owner or operator subject to the requirements of 40CFR 63 Subpart RRR are shown in 40CFR 63 Subpart RRR Appendix A. These applicable sections of 40CFR 63 Subpart A contain monitoring, reporting, and other requirements that the source owner or operator must comply with.

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

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

**Condition 95: Emission Point Definition By Emission Unit**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 95.1(From Mod 3):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: R-C2CLD

Emission Point: RCC02
Height (ft.): 100 Diameter (in.): 84
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: RECYCLE 2

**Item 95.2(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-000CL

Emission Point: 01FCE
Height (ft.): 80 Diameter (in.): 35
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: CL

Emission Point: 01SCR
Height (ft.): 80 Diameter (in.): 24

NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: CL

Emission Point: 01TRM
Height (ft.): 85 Diameter (in.): 144
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: CL

Emission Point: 02FCE
Height (ft.): 80 Diameter (in.): 35
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: CL

Emission Point: 02SCR
Height (ft.): 80 Diameter (in.): 24
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: CL

Emission Point: 02TRM
Height (ft.): 85 Diameter (in.): 144
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: CL

Emission Point: 03FCE
Height (ft.): 83 Diameter (in.): 32
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: CL

Emission Point: 03SCR
Height (ft.): 80 Diameter (in.): 24
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: CL

Emission Point: 03TRM
Height (ft.): 85 Diameter (in.): 144
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: CL

**Item 95.3(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00DC7

Emission Point: EP720
Height (ft.): 100 Diameter (in.): 24
NYTMN (km.): 4816.469 NYTME (km.): 382.551 Building: REMELT

Emission Point: EP760
Height (ft.): 100 Diameter (in.): 40
NYTMN (km.): 4816.469 NYTME (km.): 382.544 Building: REMELT

**Item 95.4(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00RC1

Emission Point: 000E2
Height (ft.): 53 Diameter (in.): 42
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

Emission Point: 00R21
Height (ft.): 70 Diameter (in.): 54
NYTMN (km.): 4816.649 NYTME (km.): 382.451 Building: RECYCLE1

Emission Point: 0SOW2
Height (ft.): 70 Diameter (in.): 52
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

Emission Point: NR1F0
Height (ft.): 60 Diameter (in.): 54
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE1

Emission Point: NR1F1
Height (ft.): 60 Diameter (in.): 44
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE1

Emission Point: NR1G0
Height (ft.): 60 Diameter (in.): 54
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE1

Emission Point: NR1G1
Height (ft.): 60 Diameter (in.): 44
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE1

**Item 95.5(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-GWATR

Emission Point: GW001
Height (ft.): 76 Diameter (in.): 4
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

**Item 95.6(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-RMSOW

Emission Point: SOWM1
Height (ft.): 392 Diameter (in.): 49
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: REMELT

**Item 95.7(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-SCALP

Emission Point: CHIP1
Height (ft.): 23 Diameter (in.): 16
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE 2

Emission Point: SILO1

Height (ft.): 70 Diameter (in.): 20
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

Emission Point: SILO2
Height (ft.): 70 Diameter (in.): 20
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

**Item 95.8(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 3-ANEAL

Emission Point: 0ANL3
Height (ft.): 81 Diameter (in.): 8
NYTMN (km.): 4816. NYTME (km.): 382. Building: COLD MILL

**Item 95.9(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: C-OLD72

Emission Point: 0000A
Height (ft.): 93 Diameter (in.): 59
NYTMN (km.): 4816. NYTME (km.): 382. Building: VOC

Emission Point: 00QDA
Height (ft.): 49 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: COLD MILL

Emission Point: 00QDD
Height (ft.): 49 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: COLD MILL

Emission Point: 0ANL1
Height (ft.): 85 Diameter (in.): 36
NYTMN (km.): 4816. NYTME (km.): 382. Building: COLD MILL

**Item 95.10(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: C-OLD88

Emission Point: 00QDB
Height (ft.): 49 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: COLD MILL

Emission Point: 0ANL2
Height (ft.): 85 Diameter (in.): 36
NYTMN (km.): 4816. NYTME (km.): 382. Building: COLD MILL

Emission Point: 0CM88
Height (ft.): 93 Diameter (in.): 59

NYTMN (km.): 4816. NYTME (km.): 382. Building: VOC

**Item 95.11(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: D-ROSS1

Emission Point: 0DCR3
Height (ft.): 50 Diameter (in.): 80
NYTMN (km.): 4816. NYTME (km.): 382. Building: DROSS

**Item 95.12(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: F-INISH

Emission Point: 00QD4
Height (ft.): 49 Diameter (in.): 72
NYTMN (km.): 4816.332 NYTME (km.): 382.348 Building: COLD MILL

**Item 95.13(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: H-OTMIL

Emission Point: 00HMS
Height (ft.): 53 Length (in.): 72 Width (in.): 12
NYTMN (km.): 4816. NYTME (km.): 382. Building: HOT MILL

Emission Point: HM105
Height (ft.): 80 Diameter (in.): 96
NYTMN (km.): 4816. NYTME (km.): 382. Building: HOT MILL

Emission Point: HM106
Height (ft.): 80 Diameter (in.): 96
NYTMN (km.): 4816. NYTME (km.): 382. Building: HOT MILL

Emission Point: HM121
Height (ft.): 66 Diameter (in.): 48
NYTMN (km.): 4816. NYTME (km.): 382. Building: HOT MILL

Emission Point: HM122
Height (ft.): 66 Diameter (in.): 48
NYTMN (km.): 4816. NYTME (km.): 382. Building: HOT MILL

Emission Point: HM123
Height (ft.): 66 Diameter (in.): 48
NYTMN (km.): 4816. NYTME (km.): 382. Building: HOT MILL

**Item 95.14(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: I-NPREP

Emission Point: P0102
Height (ft.): 80 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P0304
Height (ft.): 80 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P0506
Height (ft.): 80 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P0708
Height (ft.): 80 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P0910
Height (ft.): 80 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P1112
Height (ft.): 80 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P1314
Height (ft.): 80 Diameter (in.): 72
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P1516
Height (ft.): 80 Diameter (in.): 49
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P1718
Height (ft.): 80 Diameter (in.): 49
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P1920
Height (ft.): 95 Diameter (in.): 50
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: P2122
Height (ft.): 95 Diameter (in.): 50
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

Emission Point: PUSH1
Height (ft.): 99 Diameter (in.): 71
NYTMN (km.): 4816. NYTME (km.): 382. Building: INGOT PREP

**Item 95.15(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: R-C2HOT

Emission Point: RCB01
Height (ft.): 50 Diameter (in.): 12
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE 2

Emission Point: RCBP1
Height (ft.): 60 Diameter (in.): 36
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE 2

Emission Point: RCBP2
Height (ft.): 60 Diameter (in.): 48
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE 2

Emission Point: RCBP3
Height (ft.): 60 Diameter (in.): 48
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE 2

Emission Point: RCH01
Height (ft.): 100 Diameter (in.): 96
NYTMN (km.): 4816.515 NYTME (km.): 382.37 Building: RECYCLE 2

**Item 95.16(From Mod 0):**
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: R-EMELT

Emission Point: 00FH3
Height (ft.): 70 Diameter (in.): 48
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

Emission Point: 00FH4
Height (ft.): 100 Diameter (in.): 36
NYTMN (km.): 4816.494 NYTME (km.): 382.528 Building: REMELT

Emission Point: 00FH5
Height (ft.): 100 Diameter (in.): 36
NYTMN (km.): 4816.53 NYTME (km.): 382.5 Building: REMELT

Emission Point: 00FM3
Height (ft.): 70 Diameter (in.): 71
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

Emission Point: 00FM4
Height (ft.): 100 Diameter (in.): 70
NYTMN (km.): 4816.506 NYTME (km.): 382.518 Building: REMELT

Emission Point: 00FM5
Height (ft.): 100 Diameter (in.): 70
NYTMN (km.): 4816.54 NYTME (km.): 382.492 Building: REMELT

Emission Point: 00FM6
Height (ft.): 100 Diameter (in.): 89
NYTMN (km.): 4816.545 NYTME (km.): 382.487 Building: REMELT

**Condition 96: Process Definition By Emission Unit**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 96.1(From Mod 3):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00DC7
Process: P01 Source Classification Code: 3-04-001-14
Process Description:
A 60 metric ton melter/holder Group 1 furnace fired by natural gas, with an in-line fluxer.

Emission Source/Control: 760IF - Process

Emission Source/Control: 760MT - Process

**Item 96.2(From Mod 3):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00DC7
Process: P02 Source Classification Code: 3-04-001-14
Process Description:
A 60 metric ton melter/holder Group 1 furnace with an in-line fluxer and a 20 metric ton melter/holder Group 1 furnace with an in-line fluxer.

Emission Source/Control: 720IF - Process

Emission Source/Control: 720MT - Process

Emission Source/Control: 760IF - Process

Emission Source/Control: 760MT - Process

**Item 96.3(From Mod 3):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00DC7
Process: P03 Source Classification Code: 3-04-001-14
Process Description:
A 20 metric ton melter/holder Group 1 furnace fired by natural gas, with an in-line fluxer.

Emission Source/Control: 720IF - Process

Emission Source/Control: 720MT - Process

**Item 96.4(From Mod 3):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00RC1
Process: RC1 Source Classification Code: 3-04-001-31
Process Description:
This is an aluminum scrap melting process consisting of two, side-well melting furnaces fueled by oil and/or natural gas, one natural gas fired melting furnace, one aluminum sow drying oven and scrap handling and molten metal handling equipment. Various maintenance, testing and office facilities are also included in this emission unit. The aluminum scrap melted in these furnaces may contain small quantities of oil or lacquer coatings. Emissions from the furnace side-well melting systems are collected by a ventilation system consisting of hoods, enclosures, ductwork, fan and baghouse. Emission points associated with this process include: NR1F0, NR1F1, NR1G0, NR1G1, 00R21, 000E2 and 0SOW2 as well as the following emission points which were physically removed in 1996: 00151, 00152, 0SDC1, 0SDC2, 0SDC3.

Emission Source/Control: R1LNF - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control: R1LNG - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control: RC1BH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0RC1F - Process
Design Capacity: 9 tons per hour

Emission Source/Control: 0RC1G - Process
Design Capacity: 9 tons per hour

**Item 96.5(From Mod 3):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-C2CLD
Process: R2C Source Classification Code: 3-04-001-60
Process Description:
This is an aluminum scrap shredding and separation process consisting of a bale breaker, rotary shears, a trommel classifier, magnetic separators, air classifiers, screens, conveyors and storage hoppers. Various maintenance, testing and offices are also Included in this emission unit. Particulate emissions from this emission

unit are collected by a ventilation system consisting of hoods, enclosures, ductwork, fan and baghouse. Emission point RCC01 is the only emission point associated with this process.

Emission Source/Control: R2CY1 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: R2CY2 - Control
Control Type: SINGLE CYCLONE

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

Emission Source/Control: R2CLD - Process
Design Capacity: 20 tons per hour

Emission Source/Control: R2PRE - Process
Design Capacity: 30,000 pounds per hour

**Item 96.6(From Mod 3):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-C2HOT
Process: R2H Source Classification Code: 3-04-001-31
Process Description:
This is an aluminum scrap delacquering and melting process consisting of a rotary kiln, two side-well aluminum melting furnaces and various material separation and handling systems. Various maintenance, testing and office facilities are also included in t his process. VOC emissions from the kiln are controlled by an afterburner and HCl emissions are controlled using a sodium bicarbonate injection system. Particulate emissions from this emission unit are collected by a ventilation system consisting of hoods , enclosures, ductwork, fan and baghouse. Emission points associated with this process include: RCH01, RCBP1, RCBP2 and RCBP3. RCBP1, RCBP2 and RCBP3 are emergency vents and exempt as defined by 6 NYCRR part 201-3.2. RCB01 is an exhaust from a sodium bicarbonate bin vent filter and is also exempt as defined by 6 NYCRR part 201-3.2. annual NOx emissions are limited to 39.9 tons/yr by permit condition.

Emission Source/Control: R2HBH - Control
Control Type: FABRIC FILTER

Emission Source/Control: R2INC - Control
Control Type: DIRECT FLAME AFTERBURNER WITH HEAT EXCHANGER

Emission Source/Control: R2LND - Control

Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control: R2LNE - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control: R2VNT - Control
Control Type: CHEMICAL NEUTRALIZATION

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

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

Emission Source/Control: GVENT - Process

Emission Source/Control: R2HOT - Process
Design Capacity: 18 tons per hour

Emission Source/Control: RC2FD - Process

Emission Source/Control: RC2FE - Process

**Item 96.7(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-000CL
Process: CL1 Source Classification Code: 3-04-001-99
Process Description:
Process CL1 consists of various combustion and process emission sources associated with aluminum finishing operations. The finishing operations included in process CL1 include annealing, surface preparation, and other mechanical processes. The annealing furnace (C1FCE) utilizes low-NOx burners. Furnace emissions shall pass through a recouperator, which provides an energy benefit. Emissions (Non-VOC) from the surface preparation (C1CON), cleaning (C1PCL), and applicator (C1CTR) emission sources are directed through a common wet scrubber with a demister (SCR1P). Scrap from the trimmer (C1TRM) is directed to a cyclone (TRM1P) and directed into scrap boxes. The reluber (C1RLB) is used to apply lubrication to the sheet at the end of the process. Emissions from the reluber are directed to a demister (RLB1P) and vented inside the building. This process also includes three hot water generators that are exempt from the permitting requirements provided in 6 NYCRR Part 201.

Emission Source/Control: C1FCE - Combustion
Design Capacity: 20.2 million Btu per hour

Emission Source/Control: RLB1P - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: SCR1P - Control
Control Type: WET SCRUBBER

Emission Source/Control: TRM1P - Control
Control Type: CENTRIFUGAL

Emission Source/Control: C1CON - Process

Emission Source/Control: C1CTR - Process

Emission Source/Control: C1PCL - Process

Emission Source/Control: C1RLB - Process

Emission Source/Control: C1TRM - Process

**Item 96.8(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-000CL
Process: CL2 Source Classification Code: 3-04-001-99
Process Description:
Process CL2 consists of various combustion and process emission sources associated with aluminum finishing operations. The finishing operations included in process CL2 include annealing, surface preparation, and other mechanical processes. The annealing furnace (C2FCE) utilizes low-NOx burners. Furnace emissions shall pass through a recouperator, which provides an energy benefit. Emissions (Non-VOC) from the surface preparation (C2CON), cleaning (C2PCL), and applicator (C2CTR) emission sources are directed through a common wet scrubber with a demister (SCR2P). Scrap from the trimmer (C2TRM) is directed to a cyclone (TRM2P) and directed into scrap boxes. The reluber (C2RLB) is used to apply lubrication to the sheet at the end of the process. Emissions from the reluber are directed to a demister (RLB2P) and vented inside the building. This process also includes three hot water generators that are exempt from the permitting requirements provided in 6 NYCRR Part 201.

Emission Source/Control: C2FCE - Combustion
Design Capacity: 20.2 million British thermal units

Emission Source/Control: RLB2P - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: SCR2P - Control

Control Type: WET SCRUBBER

Emission Source/Control: TRM2P - Control
Control Type: CENTRIFUGAL

Emission Source/Control: C2CON - Process

Emission Source/Control: C2CTR - Process

Emission Source/Control: C2PCL - Process

Emission Source/Control: C2RLB - Process

Emission Source/Control: C2TRM - Process

**Item 96.9(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-000CL
Process: CL3 Source Classification Code: 3-04-001-99
Process Description:
Process CL3 consists of various combustion and process emission sources associated with aluminum finishing operations. The finishing operations included in process CL3 include annealing, surface preparation, and other mechanical processes. The annealing furnace (C3FCE) utilizes low-NOx burners. Furnace emissions shall pass through a recouperator, which provides an energy benefit. Emissions (Non-VOC) from the surface preparation (C3CON), cleaning (C3PCL), and applicator (C3CTR) emission sources are directed through a common wet scrubber with a demister (SCR3P). Scrap from the trimmer (C3TRM) is directed to a cyclone (TRM3P) and directed into scrap boxes. The reluber (C3RLB) is used to apply lubrication to the sheet at the end of the process. Emissions from the reluber are directed to a demister (RLB3P) and vented inside the building. This process also includes three hot water generators that are exempt from the permitting requirements provided in 6 NYCRR Part 201.

Emission Source/Control: C3FCE - Combustion

Emission Source/Control: RLB3P - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: SCR3P - Control
Control Type: WET SCRUBBER

Emission Source/Control: TRM3P - Control
Control Type: CENTRIFUGAL

Emission Source/Control: C3CON - Process

Emission Source/Control: C3CTR - Process

Emission Source/Control: C3PCL - Process

Emission Source/Control: C3RLB - Process

Emission Source/Control: C3TRM - Process

**Item 96.10(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-000CL
Process: SDR Source Classification Code: 3-04-001-99
Process Description:
The scrap dryers remove moisture from automotive scrap prior to processing in Recycle 1 furnaces F and G. The scrap ranges from 1" by 1" to 4" by 18." The scrap can be fed directly to the furnace or stored.

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

Emission Source/Control: SDRY2 - Process
Design Capacity: 6 million Btu per hour

Emission Source/Control: SDRY3 - Process
Design Capacity: 6 million Btu per hour

**Item 96.11(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00RC1
Process: 0BH Source Classification Code: 3-04-001-03
Process Description:
This process involves the operation of the melting furnace F and G side wells and their associated baghouse (RC1BH).

Emission Source/Control: R1LNF - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control: R1LNG - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control: RC1BH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0RC1F - Process
Design Capacity: 9 tons per hour

Emission Source/Control: 0RC1G - Process
Design Capacity: 9 tons per hour

**Item 96.12(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00RC1
Process: MHF Source Classification Code: 3-04-001-03
Process Description:
This process involves main hearth operation of Melting Furnace F.

Emission Source/Control: 0RC1F - Process
Design Capacity: 9 tons per hour

**Item 96.13(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00RC1
Process: MHG Source Classification Code: 3-04-001-03
Process Description:
This process involves main hearth operation of Melting Furnace G.

Emission Source/Control: 0RC1G - Process
Design Capacity: 9 tons per hour

**Item 96.14(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-GWATR
Process: GWR Source Classification Code: 5-04-104-20
Process Description:
THIS IS A GROUNDWATER REMEDIATION SYSTEM THAT OPERATES TO REMOVE OIL AND TRACE AMOUNTS OF CHLORINATED SOLVENTS FROM GROUNDWATER UNDER THE FOUNDATION OF THE INGOT PREP BUILDING. EMISSION POINT GW001 IS THE ONLY EMISSION POINT ASSOCIATED WITH THIS PROCESS.

Emission Source/Control: GSTRP - Process
Design Capacity: 400 cubic feet per minute (standard conditions)

**Item 96.15(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-RMSOW
Process: SO1 Source Classification Code: 3-04-001-14
Process Description:
A clean charge (Group 2) aluminum melting furnace with

ultra-low NOx burners.

Emission Source/Control: SOWMS - Process
Design Capacity: 38 million British thermal units

**Item 96.16(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-SCALP
Process: SC1 Source Classification Code: 3-04-001-60
Process Description:
This process consists of a 300,000 lb. silo and a 50,000 lb. silo used to temporarily store scalper chips. Scalper chips are conveyed from the scalping operation through a dedicated high-efficiency cyclone and into one of the silos. Scalper chips are screw fed into a blower which conveys the chips to one of 5 downstream locations in process sc2.

Emission Source/Control: 1SICY - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 2SICY - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 1SILO - Process

Emission Source/Control: 2SILO - Process

**Item 96.17(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-SCALP
Process: SC2 Source Classification Code: 3-04-001-60
Process Description:
Scalper chips conveyed from the silos are fed into one of four screw conveyors or a chip bunker each controlled by an individual high efficiency cyclone. The screw conveyors are cycled such that one conveyor is filled with chips while the other screw conveyor feeds chips into the furnace. Two screw conveyors feed directly into the D Furnace sidewell (existing) and two screw conveyors feed directly into the E Furnace sidewell (existing). The fifth cyclone is associated with a chip bunker that may be utilized if one or both of the furnaces are not operating. All five of the high efficiency cyclones associated with this process (SC2) are exhausted through a dust collector (CTBH1 rated for 0.01 grains/dscf (Emission Point CHIP1).

Emission Source/Control: BUCYC - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: CTBH1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: D1CYC - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: D2CYC - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: E1CYC - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: E2CYC - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: SCONV - Process

**Item 96.18(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 3-ANEAL
Process: 0F3 Source Classification Code: 3-04-001-12
Process Description:
Annealing furnace #3 is an electric annealing furnace utilizing 36 elements @ 73 KW per heat element. The furnace will be used to temper coiled sheet metal to customer specifications. Nitrogen cover gas will be supplied from either an existing nitrogen plant or from one of three Exogas Generators.

Emission Source/Control: ANNL3 - Process
Design Capacity: 2,625 kilowatts

Emission Source/Control: XGAS3 - Process
Design Capacity: 3.5 pounds per million Btus

**Item 96.19(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: C-OLD72
Process: C72 Source Classification Code: 3-04-001-50
Process Description:
THIS PROCESS CONSISTS OF A 72" WIDE ALUMINUM COLD ROLLING MILL, ANNEALING FURNACE, SHEARS, TRIMMERS, TENSION LEVELERS, SIFTERS, LUBRICATION SYSTEMS, OIL FILTRATION AND DISTILLATION EQUIPMENT AND ASSOCIATED MATERIAL HANDLING AND PACKAGING SYSTEMS. VARIOUS MAINTENANCE, TESTING AND OFFICE FACILITIES ARE ALSO INCLUDED IN THIS EMISSION UNIT. IN THIS PROCESS COILED ALUMINUM SHEET IS ROLLED TO A REDUCED

THICKNESS PRODUCING COILS OF ALUMINUM SHEET. THESE COILS ARE SUBSEQUENTLY PROCESSED THROUGH ANNEALING, TRIMMIN G, SIFTING AND/OR LUBRICATING OPERATIONS PRIOR TO PACKAGING IN PREPARATION FOR SHIPMENT TO THE CUSTOMER. EMISSIONS FROM THE VARIOUS PROCESS OPERATIONS ARE BY VENTILATION SYSTEMS CONSISTING OF HOODS, ENCLOSURES, DUCTWORK, FANS, STACKS AND ASSOCIATED POLLUT ION CONTROL EQUIPMENT. EMISSION POINTS 0000A, 00QDA, 00QDD, AND 0ANL1 ARE ASSOCIATED WITH THIS PROCESS.

Annealling furnace 1 is a natural gas fired annealing furnace for tempering coiled aluminum sheets to customer specifications. Nitrogen will be supplied to the furnace from either an existing nitrogen plant or from one of the three Exogas generators.

Emission Source/Control: ANNL1 - Combustion
Design Capacity: 24 million Btu per hour

Emission Source/Control: CECO7 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

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

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

Emission Source/Control: PRE72 - Control
Control Type: BAROMETRIC CONDENSER

Emission Source/Control: SULZ7 - Control
Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: CLD72 - Process
Design Capacity: 75 tons per hour

Emission Source/Control: FINH1 - Process

Emission Source/Control: FINS1 - Process

**Item 96.20(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: C-OLD88
Process: C88 Source Classification Code: 3-04-001-50

Process Description:

THIS PROCESS CONSISTS OF A 88" WIDE ALUMINUM COLD ROLLING MILL, ANNEALING FURNACE, SHEARS, TRIMMERS, TENSION LEVELERS, SIFTERS, LUBRICATION SYSTEMS, OIL FILTRATION AND DISTILLATION EQUIPMENT AND ASSOCIATED MATERIAL HANDLING AND PACKAGING SYSTEMS. VARIOUS MAINTENANCE, TESTING AND OFFICE FACILITIES ARE ALSO INCLUDED IN THIS EMISSION UNIT. IN THIS PROCESS COILED ALUMINUM SHEET IS ROLLED TO A REDUCED THICKNESS PRODUCING COILS OF ALUMINUM SHEET. THESE COILS ARE SUBSEQUENTLY PROCESSED THROUGH ANNEALING, TRIMMING, SIFTING AND/OR LUBRICATING OPERATIONS PRIOR TO PACKAGING IN PREPARATION FOR SHIPMENT TO THE CUSTOMER. EMISSIONS FROM THE VARIOUS PROCESS OPERATIONS ARE BY VENTILATION SYSTEMS CONSISTING OF HOODS, ENCLOSURES, DUCTWORK, FANS, STACKS AND ASSOCIATED POLLUT ION CONTROL EQUIPMENT. EMISSION POINTS 00CM88, 00QDB, AND 0ANL2 ARE ASSOCIATED WITH THIS PROCESS.

Annealing Furnace 1 is a natural gas fired annealing furnace for tempering coiled aluminum sheets to customer specifications. Nitrogen will be supplied to the furnace from either an existing nitrogen plant or from either an existing nitrogen plant or from one of three Exogas generators.

Emission Source/Control: ANNL2 - Combustion
Design Capacity: 24 million Btu per hour

Emission Source/Control: CECO8 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

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

Emission Source/Control: PRE88 - Control
Control Type: BAROMETRIC CONDENSER

Emission Source/Control: SULZ8 - Control
Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

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

Emission Source/Control: CLD88 - Process

Design Capacity: 90 tons per hour

Emission Source/Control: FINS2 - Process

**Item 96.21(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: D-ROSS1
Process: DRS Source Classification Code: 3-04-001-60
Process Description:
THIS IS AN ALUMINUM DROSS COOLING, STORAGE AND HANDLING FACILITY. IN THIS OPERATION ALUMINUM DROSS CONTAINED IN METAL PANS IS COVERED WITH SALT OR INERT GAS TO MINIMIZE OXIDATION DURING COOLING. FOLLOWING COOLING THE DROSS IS TRANSFERRED TO TEMPORARY STOR AGE BINS WHICH ARE SUBSEQUENTLY DUMPED INTO TRUCKS OR RAIL CARS FOR SHIPMENT TO OFF-SITE RECYCLING OPERATIONS. EMISSION POINT 0DCR3 IS THE ONLY EMISSION POINT ASSOCIATED WITH THIS PROCESS.

Emission Source/Control: DROS1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DHAND - Process

**Item 96.22(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: F-INISH
Process: TL3 Source Classification Code: 4-01-003-98
Process Description:
The tension leveler consists on an unwind section, a cleaning section, and a rewind section. Scrap is conveyed via a quickdraft system (TL3QD) and collected in scrap boxes. The air exhausts out 00QD4.

Emission Source/Control: TL3QD - Process

**Item 96.23(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: H-OTMIL
Process: HOT Source Classification Code: 3-04-001-50
Process Description:
THIS PROCESS CONSISTS OF A MULTI-STAND ALUMINUM HOT ROLLING MILL, SHEARS, TRIMMERS, OIL FILTRATION AND TREATMENT, ULTRAFILTRATION AND ASSOCIATED MATERIAL HANDLING AND PACKAGING SYSTEMS. VARIOUS MAINTENANCE, TESTING AND OFFICE FACILITIES

ARE ALSO INCLUDED IN THIS EMISSION UNIT. IN THIS PROCESS ALUMINUM INGOTS ARE ROLLED INTO ALUMINUM SHEET. EMISSIONS FROM THE VARIOUS PROCESS OPERATIONS ARE BY VENTILATION SYSTEMS CONSISTING OF HOODS, ENCLOSURES, DUCTWORK, FANS INTERTIAL SEPARATORS AND/OR EXHAUST STACKS. EMI SSION POINTS 00HMS, HM105, HM106, HM121, HM122 AND HM123 AND ASSOCIATED WITH THIS PROCESS.

Emission Source/Control: HM10P - Control
Control Type: CENTRIFUGAL

Emission Source/Control: HM11P - Control
Control Type: CENTRIFUGAL

Emission Source/Control: 0HMS1 - Process
Design Capacity: 8 tons per hour

Emission Source/Control: HM100 - Process

Emission Source/Control: HM120 - Process
Design Capacity: 125 tons per hour

**Item 96.24(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-NPREP
Process: INP Source Classification Code: 3-04-001-60
Process Description:
THIS PROCESS CONSISTS OF SCALPER (MILLING) MACHINES AND ASSOCIATED ALUMINUM CHIP HANDLING SYSTEMS WHICH MACHINE SURFACES OF ALUMINUM INGOTS IN PREPARATION FOR HOT ROLLING. THIS PROCESS ALSO INCLUDES SEVERAL NATURAL GAS OR PROPANE FUELED HOMOGENIZING FURNA CES UTILIZED TO PREHEAT AND CONDITION ALUMINUM INGOTS PRIOR TO HOT ROLLING. VARIOUS MAINTENANCE AND OFFICE FACILITIES ARE ALSO INCLUDED IN THIS EMISSION UNIT. THE FOLLOWING EMISSION POINTS ARE ASSOCIATED WITH THIS PROCESS: P0102, P0304, P0506, P0708, P091 0, P1112, P1314, P1516, P1718, P1920, P2122, PUSH1 AND 000E3.

Emission Source/Control: PIT01 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT02 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT03 - Combustion

Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT04 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT05 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT06 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT07 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT08 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT09 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT10 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT11 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT12 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT13 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT14 - Combustion
Design Capacity: 26 million Btu per hour

Emission Source/Control: PIT15 - Combustion
Design Capacity: 30 million Btu per hour

Emission Source/Control: PIT16 - Combustion
Design Capacity: 30 million Btu per hour

Emission Source/Control: PIT17 - Combustion
Design Capacity: 30 million Btu per hour

Emission Source/Control: PIT18 - Combustion
Design Capacity: 30 million Btu per hour

Emission Source/Control: PIT19 - Combustion
Design Capacity: 24 million Btu per hour

Emission Source/Control: PIT20 - Combustion
Design Capacity: 24 million Btu per hour

Emission Source/Control: PIT21 - Combustion
Design Capacity: 24 million Btu per hour

Emission Source/Control: PIT22 - Combustion
Design Capacity: 24 million Btu per hour

Emission Source/Control: SWCY1 - Control
Control Type: CENTRIFUGAL

Emission Source/Control: PUSH1 - Process
Design Capacity: 83 million Btu per hour

Emission Source/Control: SCALP - Process

**Item 96.25(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: N-PUSHR
Process: PF2 Source Classification Code: 3-04-001-60
Process Description:
The pusher furnace PUSH2 is used to preheat aluminum ingots prior to rolling.

Emission Source/Control: PUSH2 - Process

**Item 96.26(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: R-EMELT
Process: RMT Source Classification Code: 3-04-001-04
Process Description:
THIS IS AN ALUMINUM SCRAP MELTING AND CASTING FACILITY CONSISTING OF SEVERAL ALUMINUM SCRAP MELTING FURNACES, HOLDING FURNACES, MOLTEN METAL TREATMENT EQUIPMENT, MATERIAL HANDLING FACILITIES AND DIRECT-CHILL CASTING PITS. THESE FURNACES ARE FUELED BY OIL AND/OR NATURAL GAS. VARIOUS COOLING WATER SUPPLY AND TREATMENT SYSTEMS ARE ALSO ASSOCIATED WITH THIS UNIT. VARIOUS MAINTENANCE, TESTING AND OFFICE FACILITIES ARE ALSO INCLUDED IN THIS EMISSION UNIT. ALUMINUM SCRAP AND MOLTEN ALUMINUM ARE TRANSFERRED INTO THESE FURNACES. VARIOUS ALLOYING METALS ARE ADDED TO ADJUST THE COMPOSITION OF THE MOLTEN METAL. VARIOUS METAL TREATMENT OPERATIONS INCLUDING SALT AND/OR CHLORINE FLUXING, FILTRATION AND DEGASSING ARE CONDUCTED PRIOR TO CASTING THE METAL INTO ALUMINUM ING OTS. THIS PROCESS IS COVERED UNDER A

FEDERAL HAP EARLY REDUCTIONS PROGRAM TITLE V PERMIT NO. ERP-NY001. EMISSION POINTS ASSOCIATED WITH THIS PROCESS INCLUDE: 00FH3, 00FH4, 00FH5, 00FM3, 00FM4, 00FM5 AND 00FM6. ALSO INCLUDED ARE THE FOLLOWING EMISSION POIN TS THAT WERE PHYSICALLY REMOVED IN 1992: 00FH1, 00FH2, 00FM1 AND 00FM2.

Emission Source/Control: RMLN3 - Control
Control Type: LOW NOx BURNER

Emission Source/Control: RMLN4 - Control
Control Type: LOW NOx BURNER

Emission Source/Control: RMLN5 - Control
Control Type: LOW NOx BURNER

Emission Source/Control: RMCC3 - Process
Design Capacity: 25 tons per hour

Emission Source/Control: RMCC4 - Process
Design Capacity: 30 tons per hour

Emission Source/Control: RMCC5 - Process
Design Capacity: 30 tons per hour

Emission Source/Control: RMCC6 - Process
Design Capacity: 35 tons per hour

Emission Source/Control: RMFH3 - Process

Emission Source/Control: RMFH4 - Process

Emission Source/Control: RMFH5 - Process

Emission Source/Control: RMFH6 - Process
Design Capacity: 35 tons per hour

Emission Source/Control: RMFM3 - Process
Design Capacity: 25 tons per hour

Emission Source/Control: RMFM4 - Process
Design Capacity: 30 tons per hour

Emission Source/Control: RMFM5 - Process
Design Capacity: 30 tons per hour

Emission Source/Control: RMFM6 - Process
Design Capacity: 35 tons per hour

Emission Source/Control: RMIN3 - Process

Emission Source/Control: RMIN4 - Process

Emission Source/Control: RMIN5 - Process

Emission Source/Control: RMIN6 - Process

**Item 96.27(From Mod 0):**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: T-UMBL1
Process: DHT Source Classification Code: 3-04-001-16
Process Description:
Process DHT consists of a dross tumbler which is used to tumble/screen skimmed and cooled dross. The product of the dross tumbler will be recycled dross in various sizes that will be reused in the melters and furnaces. The emissions generated by the dross tumbler will be directed to the existing dross baghouse (the baghouse is listed in the current Title V permit under the D-ROSS1 emission unit and identified as emission source DROS1 exhausting through emission point 0DCR3).

Emission Source/Control: TMBLR - Process

**Condition 97: Emission Unit Permissible Emissions**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 97.1:**
The sum of emissions from all regulated processes specified in this permit for the emission unit cited
shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: C-OLD72

CAS No: 000630080 (From Mod 0)
Name: CARBON MONOXIDE
PTE(s): 1.98 pounds per hour
2,759 pounds per year

CAS No: 007446095 (From Mod 0)
Name: SULFUR DIOXIDE
PTE(s): 47 pounds per year
0.01 pounds per hour

CAS No: 0NY075000 (From Mod 0)
Name: PARTICULATES
PTE(s): 1.66 pounds per hour
14,541 pounds per year

CAS No: 0NY210000 (From Mod 0)
Name: OXIDES OF NITROGEN
PTE(s): 14,720 pounds per year
3.36 pounds per hour

CAS No: 0NY998000 (From Mod 0)
Name: VOC
PTE(s): 53,561 pounds per year
6.47 pounds per hour

Emission Unit: C-OLD88

CAS No: 000630080 (From Mod 0)
Name: CARBON MONOXIDE
PTE(s): 1.98 pounds per hour
17,314 pounds per year

CAS No: 007446095 (From Mod 0)
Name: SULFUR DIOXIDE
PTE(s): 0.01 pounds per hour
124 pounds per year

CAS No: 0NY075000 (From Mod 0)
Name: PARTICULATES
PTE(s): 14,531 pounds per year
1.66 pounds per hour

CAS No: 0NY210000 (From Mod 0)
Name: OXIDES OF NITROGEN
PTE(s): 14,720 pounds per year
3.36 pounds per hour

CAS No: 0NY998000 (From Mod 0)
Name: VOC
PTE(s): 53,561 pounds per year
6.47 pounds per hour

Emission Unit: D-ROSS1

CAS No: 0NY075005 (From Mod 0)
Name: PM-10
PTE(s): 6.09 pounds per hour
53,383 pounds per year

Emission Unit: H-OTMIL

CAS No: 0NY998000 (From Mod 0)
Name: VOC
PTE(s): 34,164 pounds per year
3.9 pounds per hour

Emission Unit: I-NPREP

CAS No: 000630080 (From Mod 0)
Name: CARBON MONOXIDE
PTE(s): 472,525 pounds per year
53.9 pounds per hour

CAS No: 007446095 (From Mod 0)
Name: SULFUR DIOXIDE
PTE(s): 0.385 pounds per hour
3,375 pounds per year

CAS No: 0NY075000 (From Mod 0)
Name: PARTICULATES
PTE(s): 61,274 pounds per year
7.08 pounds per hour

CAS No: 0NY075005 (From Mod 0)
Name: PM-10
PTE(s): 4.9 pounds per hour
42,752 pounds per year

CAS No: 0NY210000 (From Mod 0)
Name: OXIDES OF NITROGEN
PTE(s): 650,000 pounds per year
92.23 pounds per hour

CAS No: 0NY998000 (From Mod 0)
Name: VOC
PTE(s): 30,939 pounds per year
3.5 pounds per hour

Emission Unit: R-EMELT

CAS No: 000630080 (From Mod 0)
Name: CARBON MONOXIDE
PTE(s): 25 pounds per hour
88,038 pounds per year

CAS No: 007446095 (From Mod 0)
Name: SULFUR DIOXIDE
PTE(s): 0.2 pounds per hour
1,561 pounds per year

CAS No: 0NY075000 (From Mod 0)
Name: PARTICULATES
PTE(s): 12.3 pounds per hour
107,771 pounds per year

CAS No: 0NY210000 (From Mod 0)
Name: OXIDES OF NITROGEN
PTE(s): 364,313 pounds per year
41.6 pounds per hour

CAS No: 0NY998000 (From Mod 0)
Name: VOC
PTE(s): 9,696 pounds per year
1.6 pounds per hour

Emission Unit: 3-ANEAL

CAS No: 0NY998000 (From Mod 0)
Name: VOC
PTE(s): 5,154 pounds per year
0.77 pounds per hour

**Condition 98: Process Permissible Emissions**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 98.1:**
The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: C-OLD72 Process: C72

CAS No: 000630-08-0 (From Mod 0)
Name: CARBON MONOXIDE
PTE(s): 0.84 pounds per hour
2,759 pounds per year

CAS No: 007446-09-5 (From Mod 0)
Name: SULFUR DIOXIDE
PTE(s): 0.01 pounds per hour
47 pounds per year

CAS No: 0NY075-00-0 (From Mod 0)
Name: PARTICULATES
PTE(s): 1.66 pounds per hour
14,541 pounds per year

CAS No: 0NY210-00-0 (From Mod 0)
Name: OXIDES OF NITROGEN
PTE(s): 3.36 pounds per hour
14,720 pounds per year

CAS No: 0NY998-00-0 (From Mod 0)
Name: VOC
PTE(s): 6.47 pounds per hour
53,561 pounds per year

Emission Unit: C-OLD88 Process: C88

CAS No: 000630-08-0 (From Mod 0)
Name: CARBON MONOXIDE
PTE(s): 1.98 pounds per hour
2,759 pounds per year

CAS No: 007446-09-5 (From Mod 0)
Name: SULFUR DIOXIDE
PTE(s): 0.01 pounds per hour
47 pounds per year

CAS No: 0NY075-00-0 (From Mod 0)
Name: PARTICULATES
PTE(s): 0.6 pounds per hour
5,256 pounds per year

CAS No: 0NY210-00-0 (From Mod 0)
Name: OXIDES OF NITROGEN
PTE(s): 3.36 pounds per hour
14,720 pounds per year

CAS No: 0NY998-00-0 (From Mod 0)
Name: VOC
PTE(s): 6.47 pounds per hour
53,561 pounds per year

Emission Unit: D-ROSS1 Process: DRS

CAS No: 0NY075-00-5 (From Mod 0)
Name: PM-10
PTE(s): 1.54 pounds per hour
13,515 pounds per year

Emission Unit: H-OTMIL Process: HOT

CAS No: 0NY998-00-0 (From Mod 0)
Name: VOC
PTE(s): 3.9 pounds per hour
34,164 pounds per year

Emission Unit: I-NPREP Process: INP

CAS No: 000630-08-0 (From Mod 0)
Name: CARBON MONOXIDE
PTE(s): 21.22 pounds per hour
185,887 pounds per year

CAS No: 007446-09-5 (From Mod 0)
Name: SULFUR DIOXIDE
PTE(s): 0.385 pounds per hour
3,340 pounds per year

CAS No: 0NY075-00-0 (From Mod 0)

Name: PARTICULATES
PTE(s): 7.08 pounds per hour
61,274 pounds per year

CAS No: 0NY210-00-0 (From Mod 0)
Name: OXIDES OF NITROGEN
PTE(s): 92.23 pounds per hour
650,000 pounds per year

CAS No: 0NY998-00-0 (From Mod 0)
Name: VOC
PTE(s): 2.016 pounds per hour
17,660 pounds per year

Emission Unit: R-EMELT Process: RMT

CAS No: 000630-08-0 (From Mod 0)
Name: CARBON MONOXIDE
PTE(s): 10.05 pounds per hour
88,038 pounds per year

CAS No: 007446-09-5 (From Mod 0)
Name: SULFUR DIOXIDE
PTE(s): 0.2 pounds per hour
1,561 pounds per year

CAS No: 0NY075-00-0 (From Mod 0)
Name: PARTICULATES
PTE(s): 12.3 pounds per hour
107,771 pounds per year

CAS No: 0NY210-00-0 (From Mod 0)
Name: OXIDES OF NITROGEN
PTE(s): 41.6 pounds per hour
364,313 pounds per year

CAS No: 0NY998-00-0 (From Mod 0)
Name: VOC
PTE(s): 1.093 pounds per hour
9,696 pounds per year

**Condition 99: Compliance Certification**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 99.1:**
The Compliance Certification activity will be performed for:

Emission Unit: 0-000CL
Process: SDR

**Item 99.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

No later than Huly 12, 2016, the owner or operator shall submit to the EPA, with a copy to the DEC, a request for a determination of applicability of the scrap dryers to the secondary aluminum MACT standard, 40 CFR Part 63, Subpart RRR.

A copy of the EPA's response shall be forwarded to the DEC.

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

**Condition 100: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 100.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

**Item 100.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 100.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 100.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 100.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement,

for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 100.6:**
The Compliance Certification activity will be performed for:

Emission Unit: 0-00RC1

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

**Item 100.7:**
Compliance Certification shall include the following monitoring:

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

1. Emissions of NOx from this emission unit shall not exceed 39.9 tons per each 12 consecutive calendar month period (rolling average).

2. Emissions shall be computed as a product

3. The owner or operator shall monitor and record

4. On an calendar year basis, the owner or operator shall state whether he or she has complied with this requirement. In addition, in the event that annual emissions exceed 39.9 tons in any 12 month period, the owner or operator shall submit to the Department, no later than 30 days after such excess emission, a notification of such excess emissions.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 39.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 101: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 101.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would

otherwise be subject to:

40 CFR 52.21

**Item 101.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 101.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 101.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 101.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 101.6:**
The Compliance Certification activity will be performed for:

Emission Unit: 0-00RC1
Process: RC1

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 101.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Sulfur dioxide emissions from furnace F and G operation limited to less than 40 tons per year on a rolling 12 month basis. Monthly usage of fuel oil and natural gas must monitored. Calculation of SO2 emissions is based on 100% conversion of sulfur in fuel to SO2.

Process Material: FUEL
Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 39.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 102: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 102.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-6
6 NYCRR Subpart 231-8

**Item 102.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 102.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 102.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 102.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 102.6:**
The Compliance Certification activity will be performed for:

Emission Unit: R-C2HOT

Regulated Contaminant(s):

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

**Item 102.7:**
Compliance Certification shall include the following monitoring:

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

1. Emissions of NOx from this emission unit shall not exceed 39.9 tons per each 12 consecutive calendar month period (rolling average).

2. Emissions shall be computed as a product

3. The owner or operator shall monitor and record

4. On an calendar year basis, the owner or operator shall state whether he or she has complied with this requirement. In addition, in the event that annual emissions exceed 39.9 tons in any 12 month period, the owner or operator shall submit to the Department, no later than 30 days after such excess emission, a notification of such excess emissions.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 39.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 103: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 103.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-8

**Item 103.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 103.3:**

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

**Item 103.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 103.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 103.6:**
The Compliance Certification activity will be performed for:

Emission Unit: T-UMBL1

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

**Item 103.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Total PM-10 emissions from this emission unit must be less than 15 tons per year on a 12-month rolling basis. Records of total PM-10 emissions for each month and 12-month rolling total must be kept on a monthly basis and be reported in the facility's semiannual monitoring report. Emissions shall be determined using Department approved emission factors.

Parameter Monitored: PM-10
Upper Permit Limit: 14.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 104: Capping Monitoring Condition**

**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 104.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-8

**Item 104.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 104.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 104.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 104.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 104.6:**
The Compliance Certification activity will be performed for:

Emission Unit: T-UMBL1

Regulated Contaminant(s):
CAS No: 0NY075-02-5 PM 2.5

**Item 104.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Total PM 2.5 emissions from this emission unit must be

less than 10 tons per year on a 12-month rolling basis. Records of total PM 2.5 emissions for each month and 12-month rolling total must be kept on a monthly basis and be reported in the facility's semiannual monitoring report. Emissions shall be determined using Department approved emission factors.

Parameter Monitored: PM 2.5
Upper Permit Limit: 9.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

**Condition 105: Capping Monitoring Condition**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 105.1:**
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-8

**Item 105.2:**
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 105.3:**
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 105.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 105.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 105.6:**
The Compliance Certification activity will be performed for:

Emission Unit: T-UMBL1

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

**Item 105.7:**
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Total particulate emissions from this emission unit must be less than 25 tons per year on a 12-month rolling basis. Records of total particulate emissions for each month and 12-month rolling total must be kept on a monthly basis and be reported in the facility's semiannual monitoring report. Emissions shall be determined using Department approved emission factors.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 24.9 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**
**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

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

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and

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

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

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

**Condition 106: Contaminant List**
**Effective between the dates of 12/20/2016 and 12/19/2021**

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

**Item 106.1:**
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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

CAS No: 001746-01-6
Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 007664-93-9
Name: SULFURIC ACID

CAS No: 051207-31-9
Name: 2,3,7,8-TETRACHLORODIBENZOFURAN

CAS No: 068188-85-2
Name: FLUORIDES

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

CAS No: 0NY075-00-5
Name: PM-10

CAS No: 0NY075-02-5
Name: PM 2.5

CAS No: 0NY090-00-0
Name: OIL MIST

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

CAS No: 0NY504-00-0
Name: 40 CFR 63 - TOTAL HYDROCARBONS (THC)

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

**Condition 107: Malfunctions and start-up/shutdown activities**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 107.1:**
(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 108: Visible Emissions Limited**
**Effective between the dates of 12/20/2016 and 12/19/2021**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 108.1:**
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 3-19: Compliance Demonstration**
**Effective between the dates of 04/24/2017 and 12/19/2021**

**Applicable State Requirement:6 NYCRR 212-2.1**

**Replaces Condition(s) 109**

**Item 3-19.1:**
The Compliance Demonstration activity will be performed for the Facility.

**Item 3-19.2:**
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This facility is subject to 6 NYCRR Part 212. This condition is applicable to non-criteria air contaminants as defined in 6 NYCRR 212-1.2(b), emitted from all process sources at the facility.

1. No later than 180 days after the effective date of this permit, the owner or operator shall submit to the Department a list of all emission sources (that are not trivial or exempt under 6 NYCRR 201-3) and, for each contaminant emitted from each emission source,

i. the actual emission rate, in pounds per hour;

ii. the emission rate potential, as defined in 6 NYCRR

200.1, in pounds per hour;

iii. a proposed environmental rating. The initial environmental rating for each contaminant will be based on the Department's most recent AGC/SGC Tables, where high toxicity contaminants will be considered "A" rated, moderate toxicity contaminants "B" rated, and low toxicity contaminants "C" rated. Those contaminants without a toxicity classification in the AGC/SGC table will be assigned a B rating.

iv. any annual or short-term air dispersion modeling analysis done to predict off-site air concentrations to further support the proposed air contaminants' environmental rating;

v. for each High Toxicity Air Contaminant listed in 6 NYCRR 212-2.2 Table 2, the actual emissions, in pounds per year, so that facility-wide actual emissions are determined; and

vi. supporting calculations.

2. For each HTAC with a facility-wide actual emission rate less than the corresponding mass emission limit stated in 6 NYCRR 212-2.2, Table 2, and for each non-HTAC contaminant with a facility-wide emission rate potential less than 100 pounds per year, no further review is required.

3. For those contaminants with a facility-wide actual emission rate in excess of the mass emission limit stated in 6 NYCRR 212-2.2, Table 2, and for all other non-criteria air contaminants with a facility-wide emission rate potential greater than or equal to 100 pounds per year, the facility shall comply with the emission reductions specified in 6 NYCRR 212-2.3(b), Table 4, except as provided by Item 5 of this condition (regarding contaminants subject to a federal standard under 40 CFR Parts 60, 61 and 63) and Item 6 (regarding process emissions sources that are exempt).

i. For those contaminants identified in Item 1 of this condition, except those that satisfy Item 2 (HTACs with actual emissions less than the mass emission thresholds in 6 NYCRR 212-2.2 Table 2 and non-HTAC contaminants with a facility-wide emission rate potential less than 100 pounds per year), the owner or operator shall state, for each process source with a contaminant(s) having an emission rate potential equal to or greater than 0.1 lb/hr for A-rated contaminants or 10 lb/hr for all other contaminants, whether the emission rate is compliant with

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

ii. The contaminants identified in Item 1 of this condition, except those that satisfy Item 2, shall not be emitted at a rate that results in a predicted ambient concentration in excess of the Short term Guideline Concentration, or any interim SGC.

(a) A facility-wide toxic impact assessment must be completed using Department-approved modeling procedures. No later than 180 days from the effctive date of this permit, the owner or operator must submit to the Department a modeling protocol for the impact assessment. No later than 90 days after the Department's approval of the protocol, the owner or operator shall submit to the Department a report describing the results of this impact assessment.

(b) No later than 90 days after submission of the impact assessment, for each contaminant for which the impact assessment predicts ambient impacts in excess of the SGC, the owner or operator shall submit to the Department a plan to reduce emissions (or otherwise reduce predicted ambient impacts) from one or more process emission sources such that predicted ambient impacts of facility-wide emissions are below the SGC.

(c) No later than 90 days after submission of the impact assessment, for each contaminant for which the impact assessment predicts ambient impacts in excess of the AGC, the owner or operator shall submit to the Department: (i) a plan to reduce emissions (or otherwise reduce predicted ambient impacts) from one or more process emission sources such that predicted ambient impacts of facility-wide emissions are below the AGC, or (ii) a T-BACT analysis, where, in addition to emission controls, the predicted ambient impacts must not exceed residual risk management range as described in proposed DAR-1.

4.i. For each contaminant with an emission rate potential from a process emission source greater than or equal to 0.1 lb/hr that does not comply with the specified emission reductions in 6 NYCRR 212-2.3(b), the owner or operator shall submit to the Department, no later than 180 days from the effective date of this permit:

(a) a plan to meet the emission reduction specified in 6 NYCRR 212-2.3(b), or

(b) a toxic BACT (T-BACT) analysis, as described in 6

NYCRR 212-1.2.

ii. Not later than one year after the effective date of this permit, the owner or operator shall comply with 6 NYCRR 212-2.3(b) or install T-BACT.

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

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

6. The Department assigns final Environmental Ratings to contaminants, and reserves the right to change any initial environmental rating proposed by the facility owner or operator. Process emission sources that meet the exemptions in 6 NYCRR 212-1.4 are not subject to this condition. Process emission sources that emit VOCs that would be exempt if not A-rated must conduct an ambient impact analysis as directed in Item 3.ii of this condition to support the proposed environmental rating.

7. On an annual basis, the owner or operator shall submit to the Department a report stating whether any changes were made to the operation of these emission sources, or the air pollution control equipment, that could result in increases in emissions or increases in predicted ambient concentrations.

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