New York State Department of Environmental Conservation
Facility DEC ID: 7355600001

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: 04/03/2002 Expiration Date: 04/03/2007

Mod 1 Effective Date: 06/17/2003 Expiration Date: 04/03/2007

Mod 2 Effective Date: 10/29/2003 Expiration Date: 04/03/2007

Mod 4 Effective Date: 11/10/2004 Expiration Date: 04/02/2007

Mod 5 Effective Date: 09/06/2005 Expiration Date: 04/03/2007

Permit Issued To: NOVELIS CORPORATION
448 COUNTY ROUTE 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:
This facility is an integrated aluminum sheet manufacturing facility with an annual production capacity of approximately 1.7 billion pounds. The facility has both pre and post consumer aluminum scrap recycling facilities comprised of scrap shredding, processing and delacquering operations, scrap melting and direct-chill ingot casting. These facilities convert scrap aluminum into aluminum sheet ingots weighing an average of 30,000 lb. Each. Several of the aluminum scrap melting furnaces have dual-fuel capability and burn both fuel oil and natural gas. The plant also includes ingot preparation facilities which machine the top and bottom surfaces of the aluminum ingots in preparation for hot rolling. Twenty-two natural gas-fired homogenizing furnaces and one natural gas-fired pusher furnace are used to preheat the machined ingots in preparation for hot rolling. The facility's hot rolling operation consists of one, single-stand reversing mill and one, four-stand finishing mill. The reversing mill reduces the thickness of the aluminum ingots from up to 30" thick to approx. 1" thick by passing the ingot back and forth through a set of large steel rollers which comprise t he reversing mill. An oil-in-water emulsion is sprayed on the steel rolls to provide cooling and lubrication for the rolling process. The four-stand finishing mill reduces the thickness of the aluminum slab from the reversing mill to a sheet having a thickness of approx. 1/10 inch.

The edges of the sheet are also trimmed in this finishing mill and the sheet is rolled onto a coil. Two shears are positioned between the two rolling mills to crop the ends of the aluminum slab at various stages in the rolling process. An oil-in-water emulsion is also sprayed on the steel rolls in the finishing mill to provide cooling and lubrication for the rolling process. Some of the hot rolled aluminum coils produced in the hot rolling operation are shipped to other facilities while the remainder are processed in the facilities' cold rolling mill. The facility has two, single-stand cold rolling mills which use steel rolls, similar to the hot rolling mill, to reduce the thickness of aluminum sheet in coil form. A coil of aluminum is fed through the cold rolling mill where its thickness is reduced by approx. 50%. The sheet is wound back into a coil after exiting the mill's rolls. A technical white oil formulation is sprayed onto the steel rolls to provide cooling and lubrication for the cold rolling process. Coils are rolled repeatedly through the cold mills to achieve the desired sheet thickness. Following cold rolling, coils may be placed in annealing furnaces for heat treatment or moved directly to finishing lines for final processing. At the finishing lines the aluminum coils are uncoiled (in some cases a lubricant is then applied to the sheet), the sheet is then cut to the appropriate width and length and coiled at the end of the finishing line. The finished coils are transferred to a packaging line where they are packaged for shipment to the customer. Aluminum sheet produced by the facility's cold rolling mills include beverage container sheet as well as sheet for building products, transportation applications and other.

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: JOANNE L MARCH
DIVISION OF ENVIRONMENTAL PERMITS
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 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 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.

New York State Department of Environmental Conservation
Facility DEC ID: 7355600001

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 and Modifications
Applications for Permit Renewals and Modifications
Permit Modifications, Suspensions and Revocations by the Department
Permit Modifications, Suspensions, and Revocations by the Department
Facility Level
Submission of Applications 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 enforcable 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 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 1-1.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 1-1.3:

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

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 1

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 1-2.1:
The Department reserves the right 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.

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Expired by Mod No: 1

Item 4.1:
The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
c) new material information is discovered; or
d) environmental conditions, relevant technology, or applicable law or regulation have

materially changed since the permit was issued.

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 7 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(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

New York State Department of Environmental Conservation
Permit ID: 7-3556-00001/00097 Facility DEC ID: 7355600001

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: NOVELIS CORPORATION
448 COUNTY ROUTE 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: 04/03/2002 Permit Expiration Date: 04/03/2007

Mod 1 Permit Effective Date: 06/17/2003 Permit Expiration Date: 04/03/2007

Mod 2 Permit Effective Date: 10/29/2003

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level

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1-1 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
1-2 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
26 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
27 6NYCRR 201-6.5(e): Compliance Certification
31 6NYCRR 202-2.1: Compliance Certification
32 6NYCRR 202-2.5: Recordkeeping requirements
5-2 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
5-3 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
5-4 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
5-5 6NYCRR 201-6.5(f)(6): Off Permit Changes
5-6 40CFR 68: Accidental release provisions.
5 6NYCRR 201-1.4(d): Compliance Certification
6 6NYCRR 201-1.4(d): Compliance Certification
25 6NYCRR 201-6: Emission Unit Definition
28 6NYCRR 201-6.5(f): Compliance Certification
34 6NYCRR 212.3(b): Compliance Certification
35 6NYCRR 212.3(b): Compliance Certification
2-1 6NYCRR 212.4(c): Compliance Certification
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36 6NYCRR 212.4(c): Compliance Certification
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5-8 6NYCRR 212.6(a): Compliance Certification
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5-9 6NYCRR 212.10: Compliance Certification
39 6NYCRR 212.10: Compliance Certification
40 6NYCRR 212.10: Compliance Certification
41 6NYCRR 212.10(c)(4)(iii): Compliance Certification
42 6NYCRR 212.10(c)(4)(iii): Compliance Certification
43 6NYCRR 212.10(c)(4)(iii): Compliance Certification
44 6NYCRR 212.10(c)(4)(iii): Compliance Certification
45 6NYCRR 212.10(c)(4)(iii): Compliance Certification
47 6NYCRR 225-1.2(a)(2): Compliance Certification
48 6NYCRR 225-2.4(b): Compliance Certification
49 6NYCRR 227-1.3: Compliance Certification
50 6NYCRR 227-2.4(d): Compliance Certification
60 40CFR 63, Subpart D: Compliance Certification
61 40CFR 63, Subpart D: Compliance Certification

62 40CFR 63.1501, Subpart RRR: Compliance Certification
63 40CFR 63.1505(b), Subpart RRR: Compliance Certification
64 40CFR 63.1505(e), Subpart RRR: Compliance Certification
65 40CFR 63.1505(e), Subpart RRR: Compliance Certification
66 40CFR 63.1505(e), Subpart RRR: Compliance Certification
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5-14 40CFR 63.1505(k)(3), Subpart RRR: Compliance Certification
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5-23 40CFR 63.1506(k), Subpart RRR: Compliance Certification
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81 40CFR 63.1510(h), Subpart RRR: Compliance Certification
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83 40CFR 63.1510(j), Subpart RRR: Compliance Certification
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90 40CFR 63.1516, Subpart RRR: Compliance Certification
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91 40CFR 63.1517, Subpart RRR: Compliance Certification
92 40CFR 63.1518, Subpart RRR: Compliance Certification

Emission Unit Level

94 6NYCRR 201-6: Emission Point Definition By Emission Unit
95 6NYCRR 201-6: Process Definition By Emission Unit

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

1-12 ECL 19-0301: Contaminant List
96 6NYCRR 201-1.4: Unavoidable noncompliance and violations
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*5-45 6NYCRR 201-7.1: Capping Monitoring Condition
*5-46 6NYCRR 201-7.1: Capping Monitoring Condition
*5-47 6NYCRR 201-7.1: Capping Monitoring Condition
*5-48 6NYCRR 201-7.1: Capping Monitoring Condition
*5-49 6NYCRR 201-7.1: Capping Monitoring Condition
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*5-51 6NYCRR 201-7.1: Capping Monitoring Condition
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*5-53 6NYCRR 201-7.1: Capping Monitoring Condition
*5-54 6NYCRR 201-7.1: Capping Monitoring Condition
98 6NYCRR 211.2: Air pollution prohibited
99 6NYCRR 212.9(b): Compliance Demonstration
100 6NYCRR 225-1.2(a)(2): Compliance Demonstration

Emission Unit Level

EU=0-00RC1,Proc=0BH

*5-55 6NYCRR 201-7.1: Capping Monitoring Condition

EU=0-00RC1,Proc=MHF

*5-56 6NYCRR 201-7.1: Capping Monitoring Condition

EU=0-00RC1,Proc=MHG
*5-57 6NYCRR 201-7.1: Capping Monitoring Condition

EU=0-00RC1,Proc=RC1
*5-58 6NYCRR 201-7.1: Capping Monitoring Condition

NOTE: * preceding the condition number indicates capping. Permit Expiration Date: 04/03/2007

Mod 4 Permit Effective Date: 11/10/2004 Permit Expiration Date: 04/02/2007

Mod 5 Permit Effective Date: 09/06/2005 Permit Expiration Date: 04/03/2007

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: Emergency Defense - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: **Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(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 D: **Certification by a Responsible Official - 6 NYCRR Part 201-6.3(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 E: **Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(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 F: **Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(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 G: **Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(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 H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

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

Item I: Severability - 6 NYCRR Part 201-6.5(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 J: Permit Shield - 6 NYCRR Part 201-6.5(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 K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

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

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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 L: **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 M: **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 5-1: **Fees**
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)

Item 5-1.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee

schedule authorized by ECL 72-0302.

Condition 1-1: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 06/17/2003 and 04/03/2007

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

Item 1-1.1:
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 201-6.3 of this Part 201.

Condition 1-2: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective between the dates of 06/17/2003 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)

Item 1-2.1:
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 26: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)

Item 26.1:
The Compliance Certification activity will be performed for the Facility.

Item 26.2:
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 or a toxic 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 any of the above conditions are met, the source must notify the permitting authority by telephone or facsimile based on the timetable listed in paragraphs (1) through (4) of this section. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of the occurrence. All deviations reported under paragraph (1) through (4) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis that those described in paragraphs (1) though (4) above. 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.

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 shall be submitted to the Administrator (or his or her representative) as well as

two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

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

Item 27.1:
The Compliance Certification activity will be performed for the Facility.

Item 27.2:
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, 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 compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
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 4/30/2003.
Subsequent reports are due on the same day each year

Condition 31: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 31.1:
The Compliance Certification activity will be performed for the Facility.

Item 31.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: 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 32: Recordkeeping requirements
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 32.1:
(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.

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 5-2: Standard Requirement - Provide Information
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)

Item 5-2.1:
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 5-3: General Condition - Right to Inspect
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)

Item 5-3.1:
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 5-4: Standard Requirements - Progress Reports
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)

Item 5-4.1:
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 5-5: Off Permit Changes
Effective between the dates of 09/06/2005 and 04/03/2007

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

Item 5-5.1:
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 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 5-6: Accidental release provisions.
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 68

Replaces Condition(s) 1-6

Item 5-6.1:
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

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

Condition 5: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-1.4(d)

Item 5.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1
Process: RC1

Item 5.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. The bypass stacks associated with the Recycle 1 process furnace F and G side wells (Emission Points NR1F1 and NR1G1) will be used only during periods of unavoidable equipment malfunction.

2. Emissions of particulate from the bypass stack shall not exceed 15 minutes per instance. This will require

charging of scrap to the furnace to cease within 15 minutes of going into bypass mode.

3. A log must be kept of all instances where the bypass stack is utilized. The log must include the length of time uncontrolled emissions occurred from a bypass stack and the reason why use of the bypass stack was unavoidable. Instances during each 6 month reporting period shall be included in the facility's semi-annual monitoring report. The log must also be made available the the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-1.4(d)

Item 6.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-C2CLD
Process: R2C

Emission Unit: R-C2HOT
Process: R2H

Item 6.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. The bypass stacks associated with the Recycle 2 Hot and Recycle 2 Cold processes (Emission Points RCBP1, RCBP2, and RCBP3) will be used only during periods of unavoidable equipment malfunction.

2. Emissions from the bypass stacks of normally controlled contaminants (HCl and particulates) shall not exceed 30 minutes per instance. This will require the feed

to the delacquering kiln and/or each furnace to cease within 30 minutes of going into bypass mode.

3. A log must be kept of all instances where the bypass stack is utilized. The log must include the length of time uncontrolled emissions occurred from a bypass stack and the reason why use of the bypass stack was unavoidable. Instances during each 6 month reporting period shall be included in the facility's semi-annual monitoring report. The log must also be made available the the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 25: Emission Unit Definition
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-6

Item 25.1(From Mod 5):
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/holding furnaces and two (2) in-line fluxers for the processing of aluminum scrap and molten aluminum.

Building(s): REMELT

Item 25.2(From Mod 5):
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, one natural gas fired melting furnace, one aluminum sow drying oven; 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. An aluminum scrap drying oven is also included in this unit. This emission unit includes emission points NR1F0, NR1F1, NR1G0, NR1G1, 00R21, 000E2 and 0SOW2 as well as the following emission points and associated sources which were physically removed in 1996: 00151, 00152, 0SDC1, 0SDC2, 0SDC3. Sources 0SOW2 and 000E2 are exempt from RACT requirements pursuant to 6 NYCRR 212.10(c)(1) due to their ERP of <3.0 lb/hr. 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 25.3(From Mod 5):
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 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 and baghouse. Emission point RCC01 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 25.4(From Mod 5):
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 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. Emission tests of these burners as installed by the manufacturer on emission unit 000RC1 confirmed NOx emissions of 0.045 lb/mmBTU for natural gas and 0.052 lb/mmBTU for oil. 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 25.5(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 25.6(From Mod 2):
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 two

storage silos each controlled by a cyclone, also four screw conveyors and a chip bunker with individual cyclones controlled by a common baghouse.

Building(s): RECYCLE 2
REMELT

Item 25.7(From Mod 0):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 0-VENTG
Emission Unit Description:
THIS UNIT CONSISTS OF COMFORT VENTILATION SYSTEMS FOR ALL OPERATIONS AT THIS FACILITY. WHILE THE PRIMARY PURPOSE OF THESE VENTILATION SYSTEMS IS TO DISCHARGE HEAET GENERATED BY THE PROCESS, SMALL QUANTITIES OF FUGITIVE EMISSIONS MAY ALSO BE EMITTED THROUGH THESE VENTILATION SYSTEMS.

Building(s): CHLORINE
CMAINT
COLD MILL
DROSS
HOT MILL
INGOT PREP
L FILTER
LAKE PUMP
RECYCLE 1
RECYCLE 2
REMELT
VOC

Item 25.8(From Mod 1):
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.

Item 25.9(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.

Building(s): COLD MILL
VOC

Item 25.10(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.

Building(s): COLD MILL
VOC

Item 25.11(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 25.12(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. ALCAN'S PROCESS SPECIFIC RACT DEMONSTRATION FOR THESE EMISSION POINTS WAS REVIEWED AND APROVED BY DEC IN JANUARY 1996.

Building(s): CMAINT
HOT MILL
MOFFICE

Item 25.13(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, PUSH1 AND 000E3.

Building(s): INGOT PREP
REMELT

Item 25.14(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

Condition 28: Compliance Certification

Effective between the dates of 04/03/2002 and 04/03/2007

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

Item 28.1:
The Compliance Certification activity will be performed for the Facility.

Item 28.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Changes, installation, or alterations to stacks, ducts, and control equipment, for the purpose of compliance with the provisions of 40CFR 63 Subpart RRR, are allowed to be conducted without permit modification provided that:

1. Data regarding the changes, that would be included in a permit application form, are submitted to the Department prior to commencing the change. This data should include but is not limited to; stack parameters, source identifiers and dates of operation or removal for control equipment, process descriptions, etc.

2. Changes that would result in a physical change, change in the method of operation, or increase in emissions are not allowed without first obtaining a permit modification.

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

Condition 34: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 34.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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 34.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates are limited to less than 0.150 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. In certain circumstances, the Department may allow the use of similar source performance test data, in leiu of a new test, if compliance can be demonstrated to the satisfaction of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.15 grains per dscf
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 35: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 35.1:
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-OLD88
Process: C88 Emission Source: CMQDB

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH3

Emission Unit: R-EMELT

Process: RMT Emission Source: RMFM3

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: FINS2

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

Item 35.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates are limited to less than 0.150 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Performance testing must be conducted at the discretion of the Department. In certain circumstances, the Department may allow the use of similar source performance test data, in leiu of a new test, if compliance can be demonstrated to the satisfaction of the Department.

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: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-1: Compliance Certification
Effective between the dates of 10/29/2003 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 2-1.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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

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

Item 2-1.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Performance testing must be conducted at the discretion of the Department. In certain circumstances, the Department may allow the use of similar source performance test data, in leiu of a new test, if compliance can be demonstrated to the satisfaction of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-7: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 5-7.1:
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: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

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

Item 5-7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Performance testing must be conducted during the required compliance test for 40 CFR 63 Subpart RRR. Additional performance testing must be conducted at the discretion of the Department. In certain circumstances, the Department may allow the use of similar source performance test data, in leiu of a new test, if compliance can be demonstrated to the satisfaction of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 36: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 36.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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: RMIN3

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

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

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

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

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: 0NY075-00-0 PARTICULATES

Item 36.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Performance testing must be conducted at the discretion of the Department. In certain circumstances, the Department may allow the use of similar source performance test data, in leiu of a new test, if compliance can be demonstrated to the satisfaction of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 37: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 37.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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: 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: 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

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

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

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

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

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

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

Item 37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. In certain circumstances, the Department may allow the use of similar source performance test data, in leiu of a new test, if compliance can be demonstrated to the satisfaction of the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.05 grains per dscf
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 2-2: Compliance Certification
Effective between the dates of 10/29/2003 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 2-2.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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

Item 2-2.2:
Compliance Certification shall include the following monitoring:

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

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions from the entire facility. The following monitoring and reporting procedure shall be followed:

1. If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all stacks), the

facility owner shall determine the cause immediately and make the necessary correction. The facility owner and/or operator will observe emissions from all applicable emission sources daily during daylight hours to monitor for unusual opacity conditions. Records of these observations must be kept at the facility, in a format acceptable to the Department, and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years.

2. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the facility owner will conduct a Method 9 assessment to determine the degree of opacity.

3. If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

4. The Department also reserves the right to perform or require the performance of a Method 9 opacity evaluation.

5. Method 9 observation data and a summary of daily observations must be included in the facility's semi-annual monitoring report.

Sources that are controlled by baghouses using bag break detectors are not subject to the above daily procedure, once the equipment has been installed. The Department, however, still reserves the right to perform or require the performance of a Method 9 opacity evaluation.

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

Condition 1-3: Compliance Certification
Effective between the dates of 06/17/2003 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-3.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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

Item 1-3.2:
Compliance Certification shall include the following monitoring:

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

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions from the entire facility. The following monitoring and reporting procedure shall be followed:

1. If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all stacks), the facility owner shall determine the cause immediately and make the necessary correction. The facility owner and/or operator will observe emissions from all applicable emission sources daily during daylight hours to monitor for unusual opacity conditions. The records of these observations will be recorded in a bound log book at the facility and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years.

2. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the facility owner will conduct a Method 9 assessment to determine the degree of opacity.

3. If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall

apply.

4. The Department also reserves the right to perform or require the performance of a Method 9 opacity evaluation.

5. Method 9 observation data and a summary of daily observations must be included in the facility's semi-annual monitoring report.

Sources that are controlled by baghouses using bag break detectors are not subject to the above daily procedure, once the equipment has been installed. The Department, however, still reserves the right to perform or require the performance of a Method 9 opacity evaluation.

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

Condition 5-8: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 5-8.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Item 5-8.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions from the entire facility. The following monitoring and reporting procedure shall be followed:

1. If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all stacks), the facility owner shall determine the cause immediately and make the necessary correction. The facility owner and/or operator will observe emissions from all applicable emission sources daily during daylight hours to monitor for unusual opacity conditions. The records of these observations will be recorded in a bound log book at the facility and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years.

2. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the facility owner will conduct a Method 9 assessment to determine the degree of opacity.

3. If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, will remedy the problem, and will contact the

Department. The provisions of Part 201-1.4 shall apply.

4. The Department also reserves the right to perform or require the performance of a Method 9 opacity evaluation.

5. Method 9 observation data and a summary of daily observations must be included in the facility's semi-annual monitoring report.

In additiopn to the requirements above, Method 9 performance testing must be conducted during the required compliance tests for 40 CFR 63 Subpart RRR. Additional performance testing must be conducted at the discretion of the Department.

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

Condition 38: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 38.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-EMELT
Process: RMT Emission Source: RMFH3

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: RMFM3

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: RMIN3

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

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-C2CLD
Process: R2C Emission Source: R2CBH

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

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

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

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

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

Emission Unit: 0-00RC1
Process: RC1 Emission Source: 0SOW2

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

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

Item 38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions from the entire facility. The following monitoring and reporting procedure shall be followed:

1. If visible emissions above those that are normal and in compliance with section 212.6(a) are detected (this may be zero percent opacity for many or all stacks), the facility owner shall determine the cause immediately and make the necessary correction. The facility owner and/or operator will observe emissions from all applicable emission sources daily during daylight hours to monitor for unusual opacity conditions. The records of these observations will be recorded in a bound log book at the facility and shall be available for inspection by Department representatives upon request. Records will be maintained for a period of at least five years.

2. If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the facility owner will conduct a Method 9 assessment to determine the degree of opacity.

3. If the opacity is determined to exceed the limits of section 212.6(a), the facility will be determined to be in violation, will remedy the problem, and will contact the Department. The provisions of Part 201-1.4 shall apply.

4. The Department also reserves the right to perform or require the performance of a Method 9 opacity evaluation.

5. Method 9 observation data and a summary of daily observations must be included in the facility's semi-annual monitoring report.

Sources that are controlled by baghouses using bag break detectors are not subject to the above daily procedure, once the equipment has been installed. The Department, however, still reserves the right to perform or require the performance of a Method 9 opacity evaluation.

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

Condition 5-9: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.10

Item 5-9.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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

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

Item 5-9.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The 60 Metric Ton furnace (Source ID 760MT) must be tested for NOx emissions. The emissions test must be conducted during the same time frame as the required 40 CFR 63 Subpart RRR compliance testing. Three test runs must be performed during complete melting/holding cycles under the highest possible emission rate conditions. The test report must include data for NOx emissions, during the melting/holding cycles, in the form of pound per hour and pound per million BTU heat input.

In the event the emission rate average over the melting/holding cycle equals or exceeds 3 lb/hr, a NOx RACT compliance plan must be submitted, for Department

review and approval, within 120 days of submission of the final test report. The provisions of a Department approved compliance plan shall become an enforceable part of this permit.

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

Condition 39: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.10

Item 39.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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

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

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

Item 39.2:
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 40: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.10

Item 40.1:
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 40.2:
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 average hourly oil collection rate will be compared to the collection rate, for the period 7/1/1995 to 12/31/1995, reported in Alcan's January 3, 1996 letter to the Department. This comparison will be made for the purpose of verifying effective oil removal efficiency of the pollution control system.

3. The above data shall be included in the facility's semi-annual monitoring report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.10(c)(4)(iii)

Item 41.1:
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 41.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must submit, with the Title V permit renewal application, a VOC RACT analysis for control of VOC emissions from the 100" finishing mill. The

RACT analysis must include a schedule for implementing a compliance strategy that is found to be technically feasible.

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

Condition 42: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.10(c)(4)(iii)

Item 42.1:
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 42.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
VOC emissions from the 100" finishing mill shall not exceed 9 tons per year on a 12 month rolling basis.

Parameter Monitored: VOC
Upper Permit Limit: 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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.10(c)(4)(iii)

Item 43.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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

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

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

Item 43.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The source owner or operator must submit a NOx RACT compliance plan with the application for Title V permit renewal. The submittal must include a proposed schedule for implementing NOx RACT control strategies that are found to be technically and economically feasible.

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

Condition 44: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.10(c)(4)(iii)

Item 44.1:
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 44.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

1. The source owner or operator must operate and maintain pollution control equipment in a manner consistent with manufacturers recommendations.

2. The owner or operator shall maintain a log of any control equipment breakdowns, upsets, repairs, maintenance, or other deviations from design parameters. This information must be included in the facility's semi-annual report.

3. The Department reserves the right to require the source owner to evaluate and implement innovative technology within a time frame established by the Department.as per 6NYCRR Part 621.14(a)(4).

4. Any noncompliance with the VOC limits associated with the 100" finishing mill must be reported to the Department within 30 days of occurrence.

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

Condition 45: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 212.10(c)(4)(iii)

Item 45.1:
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 45.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The overall removal efficiency of VOC, from the 100" finishing mill, shall be no less than 73.5%.

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 47: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)

Item 47.1:
The Compliance Certification activity will be performed for the Facility.

Item 47.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
No person will sell, offer for sale, purchase or use any fuel oil (distillate or residual) which contains sulfur in a quantity exceeding 2.0 percent by weight.

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 fuel oil received from off-site.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL
Parameter Monitored: FUEL
Upper Permit Limit: 2.0 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

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

Item 48.1:
The Compliance Certification activity will be performed for the Facility.

Item 48.2:
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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 227-1.3

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

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

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

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

Item 49.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
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.

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 50: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

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

Item 50.1:
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

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

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a small boiler (20 mmBTU/hr to 50 mmBTU/hr heat input) must perform an annual tune-up. The tune-up shall consist of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist). Records shall be maintained containing the following information:

1. The date on which the combustion process was adjusted;

2. The name, title, and affiliation of the person(s) who made the adjustments; and

3. The qualification and relevant training received by the person(s) who made the adjustments.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 40CFR 63, Subpart D

Item 60.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-EMELT

Item 60.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The following is the content of the HAP Early Reduction Title V Specialty Permit (NY-ERP-0001) issued by EPA covering sources included in the REMELT emission unit. This permit is being incorporated into the current Title V

permit. Tables and figures referenced in the Specialty Permit are included as Appendix A in the current Title V permit.

Note: Any references to Alcan Rolled Products contained herein are outdated. The current name of the facility is Alcan Aluminum Corporation.

SECTION A: SOURCE IDENTIFICATION

In accordance with Section 112(i)(5) of the Clean Air Act, as amended; Title 40, Part 63, Subpart D of the Code of Federal Regulations; and Title 40, Part 71, Subpart B of the Code of Federal Regulations (Early Reduction Program - Specialty Permits Rule), the permittee

ALCAN ROLLED PRODUCTS, OSWEGO, NEW YORK

is hereby authorized to operate air emission units and control equipment comprising the Early Reductions Source, which includes the emission units and associated equipment listed in Table A-1 (aka Source RM - see Appendix A), in accordance with the specific and general conditions of this permit.

This permit is based on information contained in the application dated August 9, 1995, received from Alcan Rolled Products, and on any plans, specifications, previous applications, data referenced by that application, and other information submitted in support of that application, all of which are filed with the EPA Region II Office in New York, New York (the permitting authority) and New York State Department of Environmental Conservation in Syracuse, New York.

The location of operating units comprising the Early Reduction Source, which include the emission points described on Table A-1, is shown on the diagram attached to this permit (see Appendix A).

SECTION B: SPECIFIC CONDITIONS

In accordance with Section 112(i)(5) of the Clean Air Act and Title 40, Part 63 Subpart D of the Code of Federal Regulations (Early Reduction Rule), this permit grants each emission unit in the Early Reductions Source a six-year extension from the compliance date of the

otherwise applicable standard(s) promulgated under Section 112(d) of the Clean Air Act. In lieu of complying with applicable section 112(d) standard(s), Alcan Rolled Products accepts the following Alternative Emission Limitations (AEL's), monitoring, recordkeeping, emission calculation, and reporting requirements for the Early Reductions Source. In addition to implementing a compliance extension granted under Title 40, Part 63, Subpart D of the Code of Federal Regulations, this permit also implements the General Provisions requirements of Title 40, Part 63, Subpart A of the Code of Federal Regulations for each emission unit in the Early Reductions Source.

1. Alternative Emission Limitations (AEL's)

The AEL's for the Early Reductions Source described in Section A are:

45.77 tons/year of Total Unweighted Gaseous and Particulate Hazardous Air Polluntants (This limit is based on 90.002% level of unweighted (for high-risk) 1987 base year emissions of Chlorine, HC1 and the particulates.)

45.87 tons/year of Total Weighted Gaseous and Particulate Hazardous Air Pollutants (This limit is based on 90.02% of the weighted 1987 base year emissions of Chlorine, HC1 and the particulates.)

This AELs for the Source RM shall not be exceeded per any rolling 12-month period. The emissions per rolling twelve (12)-month period shall be calculated by the sum of emissions during any one calendar month added to the sum of emissions during the previous (11) calendar months. The AEL's shall be effective until six years after the compliance date for the last standard promulgated under Section 112(d) of the Clean Air Act that is applicable to any emission unit in the Early Reductions Source.* The AEL's shall expire six years after the otherwise applicable compliance date for emission units included in the Early Reductions Source that are subject to the National Emission Standards for Hazardous Air Pollutants for the Secondary Aluminum Production facilities. The Secondary Aluminum Production NESHAP is scheduled for promulgation by November 15, 1997.

*(Note that the compliance extension for source RM expires six years after the compliance date of an applicable Section 112(d) standard.)

The AEL's will be effective beyond the term of this permit and therefore, the AEL's shall be renewed when this permit is incorporated into the facility's comprehensive Title V permit. Semiannual emissions shall be determined in accordance with Section B.6 of this permit.

2. Other Specific Conditions

Each emission unit in the Early Reductions Source shall be uniquely identified such as through a tag, label, or other marking on the equipment or shall be uniquely identifiable from a plot plan or other drawings available at the Early Reductions Source.

Alcan Rolled Products shall meet the following other specific conditions:

a. Base year emission units OOFM1, OOFH1, OOFM2 and OOFH2 have been dismantled and, therefore, are not in HAP service. If the dismantled process equipment is restarted or replaced anywhere within the plant site, any hazardous air pollutant emissions from the restarted or replacement equipment shall be counted in complying with the AEL.

b. Chlorine fluxing shall not be conducted during startup and shutdown of the melting and casting cycle

3. Monitoring Requirements

For emission units included in the Early Reductions Source, the permittee shall monitor and keep records of the parameters indicated in Table B-1 (see Appendix A). To ensure that the monitoring equipment meets the accuracy requirements specified in Table B-2, all monitoring equipment shall be installed, calibrated and maintained:

a. According to the manufacturer's specifications, or other written procedures at the Early Reductions Source that provide adequate assurance that the equipment would

reasonably be expected to monitor accurately; and

b. In a manner consistent with good air pollution control practices during all periods while emissions are generated.

Monitoring equipment shall be maintained to provide valid monitoring data for all operating time of all emission units within the Early Reduction source. Data obtained from properly functioning monitoring equipment that meets applicable accuracy requirements shall be considered valid.

The permittee may utilize an electronic data recorder to collect and save various monitored data.

4. Recordkeeping Requirements

The permittee shall keep copies of all applicable reports and records required under this permit for at least 5 years. All applicable records shall be maintained in such a manner that they can be readily accessed. The most recent 2 years of records shall be maintained on site, at the Early Reductions Source, or shall be accessible from a central location by computer. The remaining 3 years of records may be retained offsite. Records may be maintained in hard copy or computer-readable form including, but not limited to, paper, microfilm, computer, floppy disk, magnetic tape, or microfiche.

The permittee shall keep the following records relating to emission units included in the Early Reductions Source:

a. Records of the monitoring parameters indicted in Table B-1;

b. Records of the supporting calculations used to determine semi-annual HAP and weighted HAP emissions;

c. Records of the occurrence and duration of each startup, shutdown, and malfunction of operation of an emission unit within the Early Reductions Source;

d. Records of the occurrence, duration, cause (if known) and the steps taken for immediate repair of each malfunction of air pollution equipment or monitoring

equipment used to comply with the AEL's or monitoring provisions of this permit;

e. After the effective date of the permittee's startup, shutdown, and malfunction plan (see Section C.5.b) and for each startup, shutdown or malfunction that occurs after that date, records indicating that the procedures in the permittee's startup, shutdown, and malfunction plan were followed, and documentation of actions taken that are not consistent with the plan; and

f. For monitoring equipment used to comply with the monitoring requirements of this permit, records documenting the compliance of installation, calibration checks, and maintenance.

5. Reporting Requirements

Alcan shall submit to the permitting authority semi-annual reports of the performance of the Early Reductions Source, one for each half-year of the calendar year. The semi-annual reports shall be submitted to the permitting authority within thirty days after the end of the six-month period covered (e.g. July 30 of the report covering January 1 through June 30). The format of the semi-annual emissions report is displayed in Figure 1 (see Appendix A). Alcan shall submit to the permitting authority semi-annual reports for the Early Reductions Source as follows:

a. The first semi-annual report for a calendar year, covering January 1 through January 30, shall include:

(i) A description of any deviations from permit requirements that occurred during the six-month reporting period and that were not previously reported, the probable cause of such deviations, and corrective actions or preventative measure taken;

(ii) A description of any malfunction of processes*, air pollution control equipment, or monitoring equipment that occurred during the six-month reporting period, the date and duration of the incidents, the probable cause of the incidents, and actions taken to remediate such incidents; and

*(For this permit, processes are defined as

the operations and activities related to chlorine storage, distribution, monitoring systems and fluxing operations.)

(iii) Total HAP emissions for the Early Reductions Source for the first half of the calendar year, as determined by using the calculation procedures in Section B.6;

b. The subsequent semi-annual reports for a calendar year, shall include:

(i) A description of any deviations from permit requirements that occurred during the six-month reporting period and that were not previously reported, the probable cause of such deviations, and corrective actions or preventative measures taken;

(ii) A description of any malfunction of processes, air pollution control equipment, or monitoring equipment that occurred during the six-month reporting period, the date and duration of the incidents, the probable cause of the incidents, and actions taken to remediate such incidents;

(iii) Total HAP emissions for the Early Reductions Source for the subsequent semi-annual period of the calendar year, as determined by using the calculation procedures in Section B.6; emissions per rolling twelve-month period and,

(iv) A certification as described in Section C.7.b of this permit for the calendar year reporting period of the Early Reductions Source's compliance with respect to the AEL's and all other terms and conditions of this permit. The certification shall include identification of each term or condition that is the basis of the certification, the compliance status, and whether compliance was continuous or intermittent (except for the AEL's).

Any violation of an AEL shall be reported (by phone call or facsimile transmission) to the permitting authority within 24 hours of detection. This initial notification shall be followed by written notification within 30 days which shall also include the description of the measures

taken to come into compliance.

6. Emission Calculation Procedures

The calculation procedures described below shall be used to quantify emissions from the sources RM. Total unweighted HAP emissions shall be computed by calculating the emissions for each HAP as specified in this section and then summing the emissions for each HAP.

Total weighted emissions for source RM shall be calculated by multiplying the calculated pollutant-specific emissions by the appropriate weighting factor for the pollutant and then summing all weighted emissions data. The following equation shall be used to calculate total weighted emissions:

$$WE = SUM (Ei \times Fi)$$

Where,

WE = total weighted emissions,
Ei = unweighted emissions of pollutant i, and
Fi = weighting factor for polltant i.

Data recorded during an emergency or malfunction (either of the process equipment, emission reduction equipment, or monitors) shall not be used in determining actual emissions. Actual emissions for such periods shall be calculated as if there were no emergency or malfunction (i.e., assuming the equipment had operated normally). However, periods of excess emissions, not due to an emergency or malfunction, must be calculated as actual emissions.

Alcan shall use the weighting factors listed in Table B-3 (see Appendix A) to compute weighted emissions:

Emission Calculation Procedures for the Source RM

Each month chlorine and hydrogen chloride emissions from the source RM will be determined using the total quantity of chorine consumed for that month and the chorine and hydrogen chloride emission factors as described below:

7. Compliance Certification

The permittee shall certify annually that the Early Reductions Source has complied with the requirements of this permit. The certification shall describe the following:

a. the permit terms or conditions that constitute the basis of the certification; and

b. the compliance status for the preceding calendar year, including whether compliance was continuous or intermittent (except for the AEL's).

The compliance certification shall be signed by a responsible official as defined by Title 40, Section 71.22 of the Code of Federal Regulations. The compliance certification shall be submitted to the permitting authority by February 15th of ever calendar year.

8. Alternative Operating Scenarios

Alcan shall operate its melting and casting cycles within the following range of operating conditions:

- Flux Periods–up to 40 minutes per cycle
- Chlorine Usage-25 pounds per cycle maximum

Upon implementation of any process change, outside of the above range of operating conditions, Alcan shall re-establish hydrogen chloride and chlorine emission factors through testing and modify calculation procedure accordingly.

The Early Reductions Permits Rule requires notification if a change has occurred under and alternate operating scenario. Provided that an emitting unit is monitored and records kept in a way that provides contemporaneous identification that one of the above changes has occurred, no notice to the permitting authority is required. Otherwise, when one of the above changes is made, the permittee at the beginning of the following week shall place in regular mail to permitting authority notice that a particular change as occurred.

(In April, 1999 a change was made to the fluxing process

at the facility under an alternate operating scenario. A Rotary Flux Injection (RFI) process was introduced using a magnesium chloride salt based flux. Under the terms of the alternate operating scenario section of the ERP testing was conducted to establish emission factors for the new process. The established emission factors for the RFI process are as follows:

Chlorine emission factor = 0.00183 pound chlorine emitted per pound of salt used.

Hydrogen Chloride emission factor = 0.0882 pound hydrogen chloride per pound of salt used.

These factors are used for tracking HAP emissions when using the RFI process.)

9. Permit Shield

Compliance with the terms and conditions of this permit shall be deemed compliance with Title 40, Part 63, Subpart D of the Code of Federal Regulations, the Early Reductions Rule. In addition:

a. Nothing in this permit shall alter or affect: (i) the liability of the Early Reductions Source for any violation of applicable requirements, prior to or at the time of permit issuance; (ii) applicable acid rain requirements;(iii) the ability of the EPA to obtain information under Section 114;(iv) provisions of Sections 112(r) and 303 of the Clean Air Act (emergency orders); or (v) provisions of Title 40, Section 63.1 (a)(3) of the Code of Federal Regulations.

b. Issuance of this permit does not relieve the Early Reductions Source from an obligation to file a timely and complete permit application for a comprehensive Title V permit as required under an approved Title V permit program. Such an application shall reference this permit, and this permit subsequently will be incorporated into a comprehensive Title V permit issued to Alcan Rolled Products.

c. In accordance with Title 40, Section 71.25(d)(2) of the Code of Federal Regulations, the permit shield is extended to all permit terms and conditions for alternate operating scenarios or those that allow increases and

decreases in hazardous air pollutants emissions pursuant to emissions trading provisions.

(continued in next condition)

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

Condition 61: Compliance Certification
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 40CFR 63, Subpart D

Item 61.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: R-EMELT

Item 61.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
This is a continuation of the HAP Early Reduction Title V Specialty Permit (NY-ERP-0001)

SECTION C: GENERAL CONDITIONS

1. Annual Fee Payment

The permittee is not required to pay a fee for this specialty permit issued under the authority of Title 40, Part 71 of the Code of Federal Regulations. However, a State may establish a permit fee under Title 40, Part 70 of the Code of Federal Regulations (Early Reduction Program, Specialty Permits Rule), once the State receives approval of their Title V permit program as authorized by the Clean Air Act Amendments of 1990.

2. Permit Renewal and Expiration

a. This permit is issued for a term of five years and shall expire on (date: five years after permit issuance), except as provided in paragraph "b" below. However, the

compliance extension and AEL's in this permit have been granted to extend beyond this five-year term. The actual date to which this compliance extension is granted will be determined at the time of first renewal of this permit. Therefore, upon or before expiration, the terms and conditions of this permit shall be renewed through incorporation into a comprehensive permit issued to the facility containing the Early Reductions Source by a State/local program approved under Title V of the Clean Air Act or a Federal program under Title 40, Part 71, Subpart B of the Code of Federal Regulations. Once this specialty permit has been incorporated into the facility's comprehensive Title V permit, the appropriate State/local agency will be designated as the permitting authority.

b. In the even that a timely and complete application for a comprehensive Title V permit has been submitted, but the permitting authority has failed to issue or deny the comprehensive permit prior to expiration of this permit, this permit shall not expire until the comprehensive permit for the facility containing the Early Reductions Source has been issued or denied.

3. Transfer of Ownership or Operation

Title 40, Section 71.26(c)(1)(iv) of the Code of Federal Regulations specifies that a change in ownership or operational control of this Early Reductions Source Shall be treated as an administrative permit amendment provided that no other change in the permit is required and a written agreement has been submitted to the permitting authority identifying the specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee. If these stipulations are not met, the new owner or operator must obtain a new permit from the permitting authority.

4. Property Rights

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

5. Operation and Maintenance Requirements

a. General Requirements

(i) The operation and maintenance requirements in

this section are enforceable, independent from the other terms and conditions of this permit, including the alternative emissions limitations.

(ii) At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the Early Reductions Source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

(iii) After a startup, shutdown and malfunction plan is developed and implemented as described in paragraph "b" below, the permittee shall operate and maintain the Early Reductions Source (including associated air pollution control equipment and monitoring equipment) during periods of startup, shutdown, and malfunction in accordance with the procedures specified in such plan.

(iv) Before and after a plan as described in "b" below is in place, the permittee shall ensure that any malfunction that occurs is repaired as soon as practicable after its occurrence. To ensure immediate repair or parts replacement for routine monitoring equipment malfunctions identified by the plan, the permittee shall keep the spare parts necessary for routine repairs of the affected equipment readily available at the Early Reductions Source.

(v) The permitting authority will determine whether the operation and maintenance procedures being used by the Early Reductions Source are acceptable based on information available to the permitting authority. This information may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including procedures specified in the startup, shutdown, and malfunction plan), review of operation and maintenance records, and inspection of the Early Reductions Source.

b. Startup, Shutdown, and Malfunction Plan

The permittee shall develop and implement, no later than one year after permit issuance, a written startup, shutdown, and malfunction plan that describes in detail procedures for operating and maintaining the Early Reductions Source during periods of startup, shutdown, and

malfunction (an event), and a program of action for correcting the malfunctioning processes, air pollution control equipment and monitoring equipment covered by this permit. The plan shall also identify all routine or otherwise predictable malfunctions of air pollution control equipment and monitoring equipment required by this permit. For the identified malfunctions, the plan shall specify procedures for repairing control equipment malfunctions as soon as possible and for repairing or replacing malfunctioning monitoring equipment immediately.

In developing a startup, shutdown, and malfunction plan, the permittee may use the Early Reduction Source's standard operating procedures manual, or an Occupational Safety and Health Administration or other plan meeting all the requirements for a startup, shutdown, and malfunction plan specified by this permit. The permittee shall comply with the plan at all times during Early Reductions Source operation.

c. Startup, Shutdown, and Malfunction Recordkeeping and Reporting Requirements

(i) Recordkeeping Requirements

When actions taken by the permittee during a startup, shutdown,or malfunction (including actions to correct a malfunction) are consistent with the procedures specified in the affected Early Reductions Source's startup, shutdown, and malfunction plan, the permittee shall keep records for the event demonstrating that the procedures specified in the plan were followed. These records may take the form of a "checklist," or other effective form of recordkeeping, which confirms that the procedures and other specifications of the startup, shutdown, and malfunction were following during that event. In addition, the permittee shall keep records of the occurrence and duration of each startup, shutdown, or malfunction of operation and each malfunction of air pollution control equipment or monitoring equipment.

If an action taken by the permittee during a startup, shutdown, or malfunction (including an action taken to correct a malfunction) is not consistent with the procedures specified in the Early Reduction Source's startup, shutdown, and malfunction plan, the permittee

shall record the action taken for that event.

The permittee shall keep the written startup, shutdown, and malfunction plan on record after it is developed, to be made available for inspection, upon request, by the permitting authority for the life of the Early Reductions Source or until the Early Reductions Source is no longer subject to any provisions of Title 40, Part 63 of the Code of Federal Regulations. In addition, if the startup, shutdown, and malfunction plan is revised, the permittee shall keep previous (i.e. superseded) versions of the startup, shutdown, and malfunction plan on record, to be made available for inspection, upon request by the permitting authority, for a period of 5 years after each revision of the plan.

(ii) Reporting Requirements

When the permittee takes actions during an event that are consistent with the plan, the permittee shall confirm in the next semi annual emission report that actions taken during the relevant reporting period during periods of startup, shutdown, and malfunction, were consistent with the Early Reduction Source's startup, shutdown and malfunction plan. When no action is taken, the permittee shall state so in its report.

When the permittee takes actions (or fails to take actions) during an event, and such actions (or inactions) affect a significant emission unit, as identified in Section B.3 of this permit, (or the control equipment or monitoring equipment for such unit) and are inconsistent with the terms of the plan, the permittee shall report the actions taken for that event by a telephone call (or facsimile (FAX) transmission) made to the permitting authority within 2 working days after commencing actions inconsistent with the plan followed by a letter within 30 days after the end of the event. This report shall fully describe the event and all remedial actions during the event's duration. Additionally, when equipment is involved in an event, such report shall either certify that the malfunctioning equipment has been repaired, or shall include a plan of action for repairing such equipment as soon as possible.

d. Revision of the Startup, Shutdown and Malfunction Plan

The EPA may require reasonable revisions to a plan if it finds that the plan:

(i) Does not address a startup, shutdown, or malfunction event that has occurred;

(ii) Fails to provide for the operation of the Early Reductions Source (including associated air pollution control equipment and monitoring equipment) during a startup, shutdown, or malfunction event in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required for compliance with the AEL's and other terms of this permit; or

(iii) Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.

The permittee shall also revise the plan within 45 days after the occurrence of an event that meets the characteristics of a malfunction, but was not addressed or was inadequately addressed in the startup, shutdown, and malfunction plan at the time the plan was developed. The revisions made shall include detailed procedures for operating and maintaining the Early Reductions Source during similar malfunction events and a program of corrective action for similar malfunctions of process, air pollution control, or monitoring equipment.

6. General Provisions Requirements

In addition to complying with the terms and conditions of this permit, the Early Reductions Source shall also comply with the provisions of the General Provisions, Title 40, Part 63, Subpart A of the Code of Federal Regulations shown on Table C-1 (see Appendix A). These sections shall apply to the Early Reductions Source as if they were expressly stated in this permit. Other sections of the General Provisions not listed in the table or not specifically incorporated within this permit do not apply to the Early Reductions Source.

7. Submissions

1. Reports, test data, monitoring data, notifications

and applications shall be submitted to the following agencies:

Chief, Air Compliance Branch
U.S. EPA Region II
290 Broadway
New York, NY 10007-1866

RAPCE, NYSDEC
615 Erie Blvd. West
Syracuse, NY 13204-2400

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway
Albany, NY 12233-3258

2. Any document submitted shall be certified as being true, accurate and complete by a responsible corporate official as defined by Title 40, Section 71.22 of the Code of Federal Regulations. The 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.

8. Inspection and Entry

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the permitting authority to perform the following:

1. enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the permit,

2. have access to and copy, at reasonable times, any records that must be kept under conditions of the permit,

3. inspect, during the plant's normal operating hours and/or at reasonable times, facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit, and

4. sample or monitor, at reasonable times, substances or parameters for the purpose of determining compliance with this permit.

9. Compliance

The permittee must comply with all the conditions of this permit. A violation of an alternative emission limitation, as well as any other requirement established in this permit, is subject to an enforcement order issued under Section 113 of the Clean Air Act. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action or for permit termination, revocation and reissuance, or revision.

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

10. Duty to Provide Information

The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records that the permittee is required to keep under the permit, or for information claimed to be confidential, the permittee may furnish such records directly to the permitting authority along with a claim of confidentiality.

11. Duty to Supplement or Correct

The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application or other information submitted in support of the application, shall promptly submit such supplementary facts or corrected information.

12. Excess Emissions Due to an Emergency

Until such time as the permittee's startup, shutdown and malfunction Plan (required under Section C.6 of this permit) is in effect, the permittee may seek to establish that noncompliance with the AEL's under this permit was due to an emergency.* To do so, the permittee shall demonstrate that affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:

1. an emergency occurred and that the permittee can identify the cause(s) of the emergency,

2. the permitted facility was being properly operated at the time of emergency,

3. during the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded an AEL or could cause exceedance of an AEL later in the calendar year, and

4. the permittee submitted notice of emergency to the permitting authority within 2 working days of the time when AEL's were exceeded due to the emergency or within 30 days of the beginning of the emergency for cases where emissions from the emergency do not immediately violate the AEL's but would (or may) be responsible for its violation later in the calendar year. This notice must contain a description of the emergency, any steps to mitigate emissions, and corrective actions taken.

*(An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of this Early Reductions Source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes this Early Reductions Source to exceed an AEL under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.)

13. Reopening for Cause

The permitting authority will reopen and revise this permit as necessary to remedy deficiencies in the following circumstances:

a. The permitting authority determines that this permit contains a material mistake or inaccurate statements were made in establishing the AEL's or other terms or conditions of this permit.

b. The permitting authority determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

Reopening shall not be initiated before a notice of intent to reopen is provided to the permittee by the permitting authority at least 30 days in advance to the date that this permit is to be reopened, except that the permitting authority may provide a shorter time period in the case of an emergency.

Proceeding to reopen and modify or issue this permit shall follow the same procedures that apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exist. Such reopening shall be made as expeditiously as practicable.

All permit conditions remain in effect until such time as the permitting authority takes final action. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

14. Severability Clause

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of this permit shall, not be affected thereby.

15. Emission Reductions from Equipment Shutdown or Reduced Operation

If emission reductions are achieved by shutting down process equipment and the shutdown equipment is restarted

or replaced anywhere within the facility containing the Early Reductions Source, any hazardous air pollutant emissions from the restarted or replacement equipment shall be counted in the post-reduction emissions from the Early Reductions Source.

16. Permit Deviations

All instances of deviation from permit requirements shall be reported. Any instance of deviation involving a significant emission unit, as identified in Section B.3 of this permit, shall be reported within 30 days of each deviation. Any instance of deviation involving all other emission units shall be reported along with the applicable semiannual report. Deviation reports shall include the probable cause of deviation and any corrective actions or preventative measure taken.

17. Permit Revisions

After issuance of this permit, permit revision will not be required for physical changes at the Early Reductions Source that do not violate the AEL's and do not violate or alter the monitoring, recordkeeping, emission calculation, or reporting requirements stated in Section B of this permit. Any other changes to emission units or associated equipment within the Early Reductions Source that are not accommodated by the terms and conditions of this permit or any planned changes to the terms and conditions of this permit cannot be implemented until the permittee complies with the permit revision/administrative amendment procedures of the Permits for Early Reductions Sources Rule, i.e., Title 40, Part 71, Subpart B of the Code of Federal Regulations (or after this specialty permit is incorporated into a comprehensive Title V permit for the facility containing the Early Reductions Source, the applicable permit revision procedures governing such a comprehensive Title V permit). Changes subject to this requirement include:

a. process or operational changes to emission units or associated air pollution control equipment or monitoring equipment;

b. physical changes or additions to emission units or air pollution control equipment or monitoring equipment; and

c. changes to any permit term or condition.

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

Condition 62: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1501, Subpart RRR

Item 62.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1

Emission Unit: R-C2CLD

Emission Unit: R-C2HOT

Item 62.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The following is a clarification of due dates:

1. Compliance date for the Subpart for existing sources
March 24, 2003

2. OM&M Plan
Due by the compliance date (March 24, 2003)

3. Performance test
Due 180 days after compliance date

4. Notice of Compliance Status
Due 60 days after date performance test was completed

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

Condition 63: Compliance Certification

Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(b), Subpart RRR

Item 63.1:
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: R2CBH

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

Item 63.2:
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).

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 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: SINGLE OCCURRENCE
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 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(e), Subpart RRR

Item 64.1:
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

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

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

Regulated Contaminant(s):
CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 64.2:
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 D/F TEQ in excess of 0.5 micrograms of D/F TEQ per Mg (7.0 x 10E-5 lb of D/F TEQ 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 23 for the concentration of D/F.

Compliance: 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.

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: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
Upper Permit Limit: 5.0 micrograms of D/F TEQ per Mg
Reference Test Method: EPA Method 23
Monitoring Frequency: SINGLE OCCURRENCE
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 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(e), Subpart RRR

Item 65.1:
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

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

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

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 65.2:
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 HCl in excess of 0.75 kg of HCl per Mg (1.50 lb of HCl 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 26A for the concentration of HCl.

The owner or operator must use Equation 7 in §63.1513(b) to determine compliance with the emission limit for HCl.

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: HYDROGEN CHLORIDE
Upper Permit Limit: 0.75 kilograms HCl per Mg
Reference Test Method: EPA Method 26A
Monitoring Frequency: SINGLE OCCURRENCE
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 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(e), Subpart RRR

Item 66.1:
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

Item 66.2:
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 SUBPART RRR - TOTAL HYDROCARBONS (THC)
Upper Permit Limit: 0.10 kilograms THC, as propane per Mg
Reference Test Method: EPA Method 25A
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 67: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(e), Subpart RRR

Item 67.1:
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

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

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

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

Item 67.2:
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 PM in excess of 0.15 kg of PM per Mg (0.30 lb of PM 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 5 for the concentration of PM.

The owner or operator must use Equation 7 in §63.1513(b) to determine compliance with the emission limit for

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: 0.15 kilograms PM per Mg
Reference Test Method: EPA Method 5
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-13: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(i), Subpart RRR

Item 5-13.1:
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: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

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 5-13.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

i) The owner or operator of a group 1 furnace must use the limits in this paragraph to determine the emission standards for a SAPU pursuant to §63.1505(k).

(3) 15 µg of D/F TEQ per Mg (2.1 × 10-4 gr of D/F TEQ per ton) of feed/charge from a group 1 furnace at a secondary aluminum production facility that is a major or area source.

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.

The initial performance test must be performed within 90 days of startup as per §63.1511(b). Subsequent performance tests must be performed every 5 years following the initial performance test.

Averaging method for test data shall be as stated in §63.1511(b) and the applicable test method.

Upper Permit Limit: 15 micrograms of D/F TEQ per Mg
Reference Test Method: EPA Method 5

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

Condition 5-15: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(i), Subpart RRR

Item 5-15.1:
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: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

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

Item 5-15.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
i) The owner or operator of a group 1 furnace must use the limits in this paragraph to determine the emission standards for a SAPU pursuant to §63.1505(k).

(1) 0.20 kg of PM per Mg (0.40 lb of PM per ton) of feed/charge from a group 1 furnace, that is not a melting/holding furnace processing only clean charge, at a secondary aluminum production facility that is a major source;

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.

The initial performance test must be performed within 90 days of startup as per §63.1511(b). Subsequent performance tests must be performed every 5 years following the initial performance test.

Averaging method for test data shall be as stated in §63.1511(b) and the applicable test method.

Upper Permit Limit: 0.40 pounds per ton
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-16: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(i), Subpart RRR

Item 5-16.1:
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: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 5-16.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

i) The owner or operator of a group 1 furnace must use the limits in this paragraph to determine the emission standards for a SAPU pursuant to §63.1505(k).

4) 0.20 kg of HCl per Mg (0.40 lb of HCl per ton) of feed/charge.

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.

The initial performance test must be performed within 90 days of startup as per §63.1511(b). Subsequent performance tests must be performed every 5 years following the initial performance test.

Averaging method for test data shall be as stated in §63.1511(b) and the applicable test method.

Upper Permit Limit: 0.40 pounds per ton
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-17: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(j), Subpart RRR

Item 5-17.1:
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: 760IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 5-17.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Except as provided in paragraph 40 CFR Part 63.1505(j)(3) of this section for an in-line fluxer using no reactive flux material, the owner or operator of an in-line fluxer must use the limits in this paragraph to determine the emission standards for a Secondary Aluminum Processing Unit (SAPU).

1) 0.02 kg of HCl per Mg (0.04 lb of HCl per ton) of feed/charge.

The owner or operator may determine the emission standards for a SAPU by applying the in-line fluxer limits on the basis of the aluminum production weight in each in-line fluxer, rather than on the basis of feed/charge.

The initial performance test must be performed within 90 days of startup as per §63.1511(b). Subsequent performance tests must be performed every 5 years following the initial performance test.

Averaging method for test data shall be as stated in §63.1511(b) and the applicable test method.

Upper Permit Limit: 0.04 pounds per ton
Reference Test Method: EPA Method 26A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-18: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(j), Subpart RRR

Item 5-18.1:
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: 760IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

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

Item 5-18.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

Except as provided in paragraph 40 CFR Part 63.1505(j)(3) of this section for an in-line fluxer using no reactive flux material, the owner or operator of an in-line fluxer must use the limits in this paragraph to determine the emission standards for a Secondary Aluminum Processing Unit (SAPU).

1) 0.005 kg of Particulate Matter per Mg (0.01 lb of PM per ton) of feed/charge.

The owner or operator may determine the emission standards for a SAPU by applying the in-line fluxer limits on the basis of the aluminum production weight in each in-line fluxer, rather than on the basis of feed/charge.

The initial performance test must be performed within 90 days of startup as per §63.1511(b). Subsequent performance tests must be performed every 5 years following the initial performance test.

Averaging method for test data shall be as stated in §63.1511(b) and the applicable test method.

Upper Permit Limit: 0.01 pounds per ton
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 68: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

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

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

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

Regulated Contaminant(s):
CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 68.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
On and after the date of the approval of the operation, maintenance and monitoring (OM&M) plan, 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 15 micrograms of Dioxin/Furan TEQ per megagram (2.1 x 10-4 grains per ton).

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 23 for the concentration of D/F.

Compliance: 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 11 in §63.1513(e)(3) to compute the aluminum mass-weighted D/F emissions for the secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum processing unit is less than or equal to 15 micrograms of D/F TEQ per megagram (2.1 x 10-4 grains per ton). As an alternative to using equation 11, the owner or operator may demonstrate compliance for a secondary aluminum processing unit by demonstrating that each existing group 1 furnace is in compliance with the emission limit.

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: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
Upper Permit Limit: 15 micrograms of D/F TEQ per Mg
Reference Test Method: EPA Method 23
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 69: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(k), Subpart RRR

Item 69.1:
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: SONRD

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

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 69.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

On and after the date of the approval of the operation, maintenance and monitoring (OM&M) plan, 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].

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 5 for the concentration of PM.

The owner or operator must use Equation 11 in §63.1513(e)(3) to compute the aluminum mass-weighted PM emissions for the secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum processing unit is less than or equal the limit calculated based on the limit for each emission unit. As an alternative to using equation 11, the owner or operator may demonstrate compliance for a secondary aluminum processing unit by demonstrating that each existing group 1 furnace and eachexisting in-line

fluxer is in compliance with their respective individual emission limits.

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.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 70: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(k), Subpart RRR

Item 70.1:
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: 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 70.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

On and after the date of the approval of the operation, maintenance and monitoring (OM&M) plan, 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 9 in §63.1513(e)(1) 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].

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 26A for the concentration of HCl.

The owner or operator must use Equation 11 in §63.1513(e)(3) to compute the aluminum mass-weighted HCl emissions for the secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum processing unit is less than or

equal the limit calculated based on the limit for each emission unit. As an alternative to using equation 11, the owner or operator may demonstrate compliance for a secondary aluminum processing unit by demonstrating that each existing group 1 furnace and eachexisting in-line fluxer is in compliance with their respective individual emission limits.

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.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-19: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(k)(1), Subpart RRR

Item 5-19.1:

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: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

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

Item 5-19.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

On and after the compliance date established by §63.1501, the facility must comply with the emission limit calculated using the equation for PM in §63.1505(k)(1) for each secondary aluminum processing unit at a secondary aluminum facility that is a major source of HAP emissions. The facility may not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of PM is excess of the PM emission limit as calculated in equation 1 of §63.1501(k)(1).

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.

Monitoring Frequency: DAILY
Averaging Method: 3- DAY, 24-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5-20: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(k)(2), Subpart RRR

Item 5-20.1:
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: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 5-20.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

On and after the compliance date established by §63.1501, the facility must comply with the emission limit calculated using the equation for HCl in §63.1505(k)(2) for each secondary aluminum processing unit at a secondary aluminum facility that is a major source of HAP emissions. The facility may not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of HCl is excess of the HCl emission limit as calculated in equation 2 of §63.1501(k)(2).

The secondary aluminum processing unit shall be monitored according to the procedures in §63.1510(t) to determine compliance with this HCl limit.

Note: In-line fluxers using no reactive flux materials cannot be included in this calculation since they are not subject to the HCl limit.

Monitoring Frequency: DAILY
Averaging Method: 3- DAY, 24-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5-14: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1505(k)(3), Subpart RRR

Item 5-14.1:
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: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

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 5-14.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

On and after the compliance date established by §63.1501, the facility must comply with the emission limit calculated using the equation for D/F in §63.1505(k)(3) for each secondary aluminum processing unit at a secondary aluminum facility that is a major source of HAP emissions. The facility may not discharge or allow to be discharged to the atmosphere any 3-day, 24-hour rolling average emissions of PM is excess of the PM emission limit as calculated in equation 3 of §63.1501(k)(3).

The secondary aluminum processing unit shall be monitored according to the procedures in §63.1510(t) to determine compliance with this D/F limit.

Note: Clean charge furnaces cannot be included in this calculation since they are not subject to the D/F limit.

Monitoring Frequency: DAILY

Averaging Method: 3- DAY, 24-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5-21: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(b), Subpart RRR

Item 5-21.1:
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: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Item 5-21.2:
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.

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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 71: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(b), Subpart RRR

Item 71.1:
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-C2CLD

Process: R2C Emission Source: R2CLD

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

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-C2HOT
Process: R2H Emission Source: R2HBH

Item 71.2:
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.

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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 72: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(c), Subpart RRR

Item 72.1:
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-C2CLD
Process: R2C Emission Source: R2CBH

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

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-C2HOT
Process: R2H Emission Source: R2HBH

Item 72.2:
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 as published by the American Conference of Governmental Industrial Hygienists in chapters 3 and 5 of "Industrial Ventilation: A Handbook of Recommended Practice" (incorporated by reference in 40CFR Subpart RRR §63.1502);
(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.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 5-22: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(d), Subpart RRR

Item 5-22.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Item 5-22.2:
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) 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: DAILY
Averaging Method: 3- DAY, 24-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 73: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(d), Subpart RRR

Item 73.1:
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-C2CLD
Process: R2C Emission Source: R2CLD

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

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-C2HOT
Process: R2H Emission Source: R2HBH

Item 73.2:
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) 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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(e), Subpart RRR

Item 74.1:
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: R2CBH

Item 74.2:
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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 75: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(g), Subpart RRR

Item 75.1:
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

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

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

Item 75.2:
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 the same 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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 5-23: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(k), Subpart RRR

Item 5-23.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Item 5-23.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of an in-line fluxer must 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.

Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(m), Subpart RRR

Item 76.1:
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: 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-C2HOT
Process: R2H Emission Source: R2HBH

Item 76.2:
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) 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 lime injection system, maintain free-flowing lime in the hopper to the feed device at all times and maintain the lime feeder setting at the same level established during the performance test.

(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 each sidewell furnace 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, unless the hearth also is equipped with an add-on control device.

(ii) Reactive flux is added only in the sidewell unless the hearth also is equipped with an add-on control device.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

The initial report is due 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 5-24: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(n), Subpart RRR

Item 5-24.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Item 5-24.2:
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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5-25: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(p), Subpart RRR

Item 5-25.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-25.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(p) Corrective action. 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: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 77: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1506(p), Subpart RRR

Item 77.1:
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-C2CLD
Process: R2C Emission Source: R2CLD

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

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-C2HOT
Process: R2H Emission Source: R2HBH

Item 77.2:
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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 5-26: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(b), Subpart RRR

Item 5-26.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-26.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(b) Operation, maintenance, and monitoring (OM&M) plan. 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. The owner or operator of an existing affected source

must submit the OM&M plan to the responsible permitting authority no later than the compliance date established by §63.1501(a). The owner or operator of any new affected source must submit the OM&M plan to the responsible permitting authority within 90 days after a successful initial performance test under §63.1511(b), or within 90 days after the compliance date established by §63.1501(b) if no initial performance test is required. The plan must be accompanied by a written certification by the owner or operator that the OM&M plan satisfies all requirements of this section and is otherwise consistent with the requirements of this subpart. The owner or operator must comply with all of the provisions of the OM&M plan as submitted to the permitting authority, unless and until the plan is revised in accordance with the following procedures. If the permitting authority determines at any time after receipt of the OM&M plan that any revisions of the plan are necessary to satisfy the requirements of this section or this subpart, the owner or operator must promptly make all necessary revisions and resubmit the revised plan. If the owner or operator determines that any other revisions of the OM&M plan are necessary, such revisions will not become effective until the owner or operator submits a description of the changes and a revised plan incorporating them to the permitting authority. 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 §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 subpart A of this part.

(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 this section, 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 paragraph (o) of this section for each group 1 furnace not equipped with an add-on air pollution control device.

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

Condition 78: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(b), 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: 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: R2CBH

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-C2HOT
Process: R2H Emission Source: R2HBH

Item 78.2:
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. The owner or operator must submit the plan to NYSDEC for review and approval as part of the application for a part 70 or part 71 permit. Any subsequent 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.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-27: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(c), Subpart RRR

Item 5-27.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-27.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(c) Labeling. 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 as required by the operational standard in §63.1506(b) 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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5-28: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(e), Subpart RRR

Item 5-28.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720IF

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760IF

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Item 5-28.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(e) Feed/charge weight. 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 install, calibrate, operate, and maintain a device to measure and record the total weight of feed/charge to, or the aluminum production from, the affected source or emission unit over the same operating cycle or time period used in the performance test. Feed/charge or aluminum production within SAPUs must be measured and recorded on an emission unit-by-emission unit basis. 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.

(1) 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.

(2) 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.

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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 79: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(f), Subpart RRR

Item 79.1:
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: SONRD

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

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

Item 79.2:
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 triboelectric bag leak detection system must be installed, calibrated, operated, and maintained according to the ``Fabric Filter Bag Leak Detection Guidance," (September 1997). This document is available from the U.S. Environmental Protection Agency; Office of Air Quality Planning and Standards; Emissions, Monitoring and Analysis Division; Emission Measurement Center (MD-19), Research Triangle Park, NC 27711. This document also is available on the Technology Transfer Network (TTN) under Emission Measurement Technical Information (EMTIC), Continuous Emission Monitoring. Other bag leak detection

systems must be
installed, operated, calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations.

(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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 80: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(g), 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: R2INC

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 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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 81: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(h), Subpart RRR

Item 81.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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

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 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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 82: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(i), Subpart RRR

Item 82.1:
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 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 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.

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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 5-29: Compliance Certification

Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(j), Subpart RRR

Item 5-29.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(j) Total reactive flux injection rate. 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 §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 §63.1512(o).

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(j), 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

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

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

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 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).

(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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(n), Subpart RRR

Item 84.1:
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: R-C2HOT
Process: R2H Emission Source: RC2FD

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

Item 84.2:
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.

(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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 5-30: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(o), Subpart RRR

Item 5-30.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Item 5-30.2:
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 and HCl and the proposed monitoring parameters for each pollutant. Test data must establish the highest level of PM and HCl 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 and HCl and the proposed monitoring parameters for each pollutant. Test data must establish the highest level of PM and HCl 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 5-31: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(q), Subpart RRR

Item 5-31.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P02 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP720
Process: P03 Emission Source: 720MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P01 Emission Source: 760MT

Emission Unit: 0-00DC7 Emission Point: EP760
Process: P02 Emission Source: 760MT

Item 5-31.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(q) 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 5-32: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(s), Subpart RRR

Item 5-32.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(s) Site-specific requirements for secondary aluminum processing units. (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 §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 §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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 85: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(s), Subpart RRR

Item 85.1:
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-C2CLD
Process: R2C Emission Source: R2CLD

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: 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 85.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Site-specific requirements for secondary aluminum processing
units.

(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 5-33: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(t), Subpart RRR

Item 5-33.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-33.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(t) Secondary aluminum processing unit. Except as provided in paragraph (u) of this section, the owner or operator must calculate and record the 3-day, 24-hour rolling average emissions of PM and HCl 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.

(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 §63.1510(t)(4) Equation 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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 86: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

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: 0-00RC1
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 86.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Except as provided in paragraph (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 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.

(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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 5-34: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1510(u), Subpart RRR

Item 5-34.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-34.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(u) Secondary aluminum processing unit compliance by individual emission unit demonstration. As an alternative to the procedures of paragraph (t) of this section, an owner or operator may demonstrate, through performance tests, that each individual emission unit within the secondary aluminum production unit is in compliance with the applicable emission limits for the emission unit.

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

Condition 5-35: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1511, Subpart RRR

Item 5-35.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-35.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Site-specific test plan. Prior to conducting any performance test required by this subpart, the owner or operator must prepare a site-specific test plan which satisfies all of the requirements, and must obtain approval of the plan pursuant to the procedures, set forth in §63.7(c).

(b) 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 §63.1515(b). The owner or operator of any existing affected source for which an initial performance test is required to demonstrate compliance must conduct this initial performance test no later than the date for compliance established by §63.1501(a). The owner or operator of any new affected source for which an initial performance test is required must conduct this initial performance test within 90 days after the date for compliance established by §63.1501(b). Except for the date by which the performance test must be conducted, the owner or operator must conduct each performance test in accordance with the requirements and procedures set forth in §63.7(c).

(1) The owner or operator must conduct each test while the affected source or emission unit is operating at the highest production level with charge materials representative of the range of materials processed by the unit and, if applicable, at the highest reactive fluxing rate.

(2) 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.

(3) 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.

(4) 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.

(5) 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.

(c) Test methods. 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.

(6) Method 9 for visible emission observations.

(d) Alternative methods. The owner or operator may use an alternative test method, subject to approval by the

Administrator.

(e) Repeat tests. The owner or operator of new or existing affected sources and emission units located at secondary aluminum production facilities that are major sources must conduct a performance test every 5 years following the initial performance test.

(f) Testing of representative emission units. With the prior approval of the permitting authority, an owner or operator may utilize emission rates obtained by testing a particular type of group 1 furnace which is not controlled by any add-on control device, or by testing an in-line flux box which is not controlled by any add-on control device, to determine the emission rate for other units of the same type at the same facility. Such emission test results may only be considered to be representative of other units if all of the following criteria are satisfied:

(1) The tested emission unit must use feed materials and charge rates which are comparable to the emission units that it represents;

(2) The tested emission unit must use the same type of flux materials in the same proportions as the emission units it represents;

(3) The tested emission unit must be operated utilizing the same work practices as the emission units that it represents;

(4) The tested emission unit must be of the same design as the emission units that it represents; and

(5) The tested emission unit must be tested under the highest load or capacity reasonably expected to occur for any of the emission units that it represents.

(g) Establishment of monitoring and operating parameter values. 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 this section 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.

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

Condition 87: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

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: 0-00RC1
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: R2CBH

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).

(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 owner or operator must conduct each test while the affected source or emission unit is operating at the highest production level with charge materials representative of the range of materials processed by the unit and, if applicable, at the highest reactive fluxing rate.

(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.

(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.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 88: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

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: 0-00RC1
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 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.

(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) 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 and HCl 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 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 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.

(e) 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.

(f) 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.

(g) 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.

(h) 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.

(1) Continuously measure and record the weight of gaseous or liquid reactive flux injected for each 15 minute period during the HCl 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 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 is used, the owner or operator must derive the appropriate proportion factor subject to approval by the applicable permitting authority.

(i) 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 varies during the runs, determine and record the average feed rate from the 3 runs.

(j) 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).

(k) 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).

(l) 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 5-36: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1512(j), Subpart RRR

Item 5-36.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-36.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(j) Secondary aluminum processing unit. The owner or operator 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 and HCl 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 §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 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.

Monitoring frequency as per §63.1511(b) and (e).

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

Condition 5-37: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1512(k), Subpart RRR

Item 5-37.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(k) 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.

Monitoring frequency as per §63.1511(b) and (e).

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

Condition 5-38: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1512(o), Subpart RRR

Item 5-38.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-38.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(o) 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.

(1) Continuously measure and record the weight of gaseous or liquid reactive flux injected for each 15 minute period during the HCl test, 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 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 §63.1512(o)(3), Equation 5.

(4) Divide the weight of total chlorine usage (Wt) 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 is used, the owner or operator must derive the appropriate proportion factor subject to approval by the applicable permitting authority.

Monitoring frequency as per §63.1511(b) and (e).

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

Condition 5-39: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1512(r), Subpart RRR

Item 5-39.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-39.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(r) Labeling. The owner or operator of each scrap group 1 furnace and in-line fluxer must submit the information described in §63.1515(b)(3) as part of the notification of compliance status report to document conformance with the operational standard in §63.1506(b).

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

Condition 5-11: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1513(b), Subpart RRR

Item 5-11.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-11.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(b) PM, HCl and D/F emission limits. Use §63.1513(b)

Equation 7 to determine compliance with an emission limit for PM or HCl.

Monitoring frequency as per §63.1511(b) and (e).

Reporting as per §63.7(g), §63.1515(b), and 6NYCRR Part 202-1.3(a).

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

Condition 5-12: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1513(d), Subpart RRR

Item 5-12.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-12.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(d) Conversion of D/F measurements to TEQ units. 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), incorporated by reference in §63.1502 of this subpart, available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia, NTIS no. PB 90–145756.

Monitoring frequency as per §63.1511(b) and (e).

Reporting as per §63.7(g), §63.1515(b), and 6NYCRR Part 202-1.3(a).

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

Condition 5-40: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1513(e), Subpart RRR

Item 5-40.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-40.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(e) Secondary aluminum processing unit. Use the procedures in paragraphs (e)(1), (2), and (3) or the procedure in paragraph (e)(4) of this section to determine compliance with emission limits for a secondary aluminum processing unit.

(1) Use §63.1513(e)(1) Equation 9 to compute the mass-weighted PM emissions for a secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum processing unit (EcPM) is less than or equal to the emission limit for the secondary aluminum processing unit (LcPM) calculated using Equation 1 in §63.1505(k).

(2) Use §63.1513(e)(2) Equation 10 to compute the aluminum mass-weighted HCl emissions for the secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum processing unit (EcHCl) is less than or equal to the emission limit for the secondary aluminum processing unit (LcHCl) calculated using Equation 2 in §63.1505(k).

(3) Use §63.1513(e)(3) Equation 11 to compute the aluminum mass-weighted D/F emissions for the secondary aluminum processing unit. Compliance is achieved if the mass-weighted emissions for the secondary aluminum

processing unit is less than or equal to the emission limit for the secondary aluminum processing unit (LcD/F) calculated using Equation 3 in §63.1505(k).

(4) As an alternative to using the equations in paragraphs (e)(1), (2), and (3) of this section, the owner or operator may demonstrate compliance for a secondary aluminum processing unit by demonstrating that each existing group 1 furnace is in compliance with the emission limits for a new group 1 furnace in §63.1505(i) and that each existing in-line fluxer is in compliance with the emission limits for a new in-line fluxer in §63.1505(j).

Monitoring frequency as per §63.1511(b) and (e).

Reporting as per §63.7(g), §63.1515(b), and 6NYCRR Part 202-1.3(a).

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

Condition 89: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1515, Subpart RRR

Item 89.1:
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-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 89.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Notification of compliance status report. Each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in Sec. 63.1501. The notification must be signed by the responsible official who must certify its accuracy. A complete notification ofcompliance status report must include the information specified in paragraphs (a)(1) through (10) of section 63.1515. 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 Sec. 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 Sec. 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, afterburner operating temperature, fabric filter inlet temperature), including the operating cycle or time period used in the performance test.

(5) Design information and analysis, with supporting documentation, demonstrating conformance with the requirements for capture/collection systems in Sec. 63.1506(c).

(6) If applicable, analysis and supporting documentation demonstrating conformance with EPA guidance and specifications for bag leak detection systems in Sec. 63.1510(f).

(7) Manufacturer's specification or analysis documenting the design residence time of no less than 1 second for each afterburner used to control emissions from a scrap dryer/delacquering kiln/decoating kiln

subject to alternative emission standards in Sec. 63.1505(e).

(8) Manufacturer's specification or analysis documenting the design residence time of no less than 2 seconds and design operating temperature of no less than 1600 deg.F for each afterburner used to control emissions from a sweat furnace that is not subject to a performance test.

(9) Approved 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: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-10: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1515(a)(6), Subpart RRR

Item 5-10.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-10.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
(6) As required by §63.9(e) and (f), the owner or operator must provide notification of the anticipated date for conducting performance tests and visible emission observations. The owner or operator must notify the Administrator of the intent to conduct a performance test at least 60 days before the performance test is scheduled; notification of opacity or visible emission observations for a performance test must be provided at least 30 days

before the observations are scheduled to take place.

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

Condition 5-41: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1515(b), Subpart RRR

Item 5-41.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-41.2:
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, 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 5-42: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1516, Subpart RRR

Item 5-42.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-42.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) Startup, shutdown, and malfunction plan/reports. The owner or operator must develop and implement a written plan as described in §63.6(e)(3) that contains specific procedures to be followed for operating and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the standard. The owner or operator shall also keep records of each event as required by §63.10(b) and record and report if an action taken during a startup, shutdown, or malfunction is not consistent with the procedures in the plan as described in §63.6(e)(3). In addition to the information required in §63.6(e)(3), the plan must include:

(1) Procedures to determine and record the cause of the malfunction and the time the malfunction began and ended; and

(2) Corrective actions to be taken in the event of a malfunction of a process or control device, including procedures for recording the actions taken to correct the malfunction or minimize emissions.

(b) Excess emissions/summary report. The owner or operator must submit semiannual reports according to the requirements in §63.10(e)(3). Except, the owner or operator must submit the semiannual reports within 60 days after the end of each 6-month period instead of within 30 days after the calendar half as specified in §63.10(e)(3)(v). 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:

(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 §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.

(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.

(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.

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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 90: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1516, Subpart RRR

Item 90.1:
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-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 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Reports.

(a) Startup, shutdown, and malfunction plan/reports. The owner or operator must develop and implement a written plan as described in Sec. 63.6(e)(3) that contains specific procedures to be followed for operating and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the standard. The owner or operator shall also keep records of each event as required by Sec. 63.10(b) and record and report if an action taken during a startup, shutdown, or malfunction is not consistent with the procedures in the plan as described in Sec. 63.6(e)(3). In addition to the information required in
Sec. 63.6(e)(3), the plan must include:

(1) Procedures to determine and record the cause of the malfunction and the time the malfunction began and ended; and

(2) Corrective actions to be taken in the event of a malfunction of a process or control device, including procedures for recording the actions taken to correct the malfunction or minimize emissions.

(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:

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."

(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.

(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.

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

Condition 5-43: Compliance Certification
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1517, Subpart RRR

Item 5-43.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00DC7

Item 5-43.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

(a) As required by §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 §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:

(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 §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.

(13) Records of monthly inspections for proper unit labeling for each affected source and emission unit subject to labeling requirements.

(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) 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.

Report of these records shall be made to the Department upon request.

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

Condition 91: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1517, Subpart RRR

Item 91.1:
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-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 91.2:
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.

(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.

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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 92: Compliance Certification
Effective between the dates of 03/24/2003 and 04/03/2007

Applicable Federal Requirement: 40CFR 63.1518, Subpart RRR

Item 92.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00RC1

Emission Unit: R-C2CLD

Emission Unit: R-C2HOT

Item 92.2:
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 94: Emission Point Definition By Emission Unit
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-6

Item 94.1(From Mod 5):

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. NYTME (km.): 382. Building: REMELT

Emission Point: EP760
Height (ft.): 100 Diameter (in.): 40
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

Item 94.2(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: 00151 Removal Date: 07/31/1997
Height (ft.): 47 Diameter (in.): 66
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE1

Emission Point: 00152 Removal Date: 07/31/1997
Height (ft.): 47 Diameter (in.): 47
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE1

Emission Point: 00R21
Height (ft.): 70 Diameter (in.): 54
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE1

Emission Point: 0SDC1 Removal Date: 07/31/1996
Height (ft.): 70 Diameter (in.): 60
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE1

Emission Point: 0SDC2 Removal Date: 07/31/1996
Height (ft.): 50 Diameter (in.): 30
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE1

Emission Point: 0SDC3 Removal Date: 07/31/1996
Height (ft.): 22 Diameter (in.): 31
NYTMN (km.): 4816. NYTME (km.): 382. 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 94.3(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 94.4(From Mod 2):
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 94.5(From Mod 1):
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 94.6(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 94.7(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 94.8(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 94.9(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 94.10(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: I-NPREP

Emission Point: 000E3 Removal Date: 04/01/2004
Height (ft.): 47 Diameter (in.): 60
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

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 94.11(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: R-C2CLD

Emission Point: RCC01
Height (ft.): 60 Diameter (in.): 54
NYTMN (km.): 4816. NYTME (km.): 382. Building: RECYCLE 2

Item 94.12(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. NYTME (km.): 382. Building: RECYCLE 2

Item 94.13(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. NYTME (km.): 382. Building: REMELT

Emission Point: 00FH5
Height (ft.): 100 Diameter (in.): 36

NYTMN (km.): 4816. NYTME (km.): 382. 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. NYTME (km.): 382. Building: REMELT

Emission Point: 00FM5
Height (ft.): 100 Diameter (in.): 70
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

Emission Point: 00FM6
Height (ft.): 100 Diameter (in.): 89
NYTMN (km.): 4816. NYTME (km.): 382. Building: REMELT

Condition 95: Process Definition By Emission Unit
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable Federal Requirement: 6NYCRR 201-6

Item 95.1(From Mod 5):
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 95.2(From Mod 5):
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 95.3(From Mod 5):
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 95.4(From Mod 5):
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 95.5(From Mod 5):
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 95.6(From Mod 5):
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 95.7(From Mod 5):
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

Emission Source/Control: 0SOW2 - Process
Design Capacity: 8 million Btu per hour

Item 95.8(From Mod 5):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00RC1
Process: SOW Source Classification Code: 3-04-001-13
Process Description:
This process involves operation of the sow drying furnace.

Emission Source/Control: 0SOW2 - Process
Design Capacity: 8 million Btu per hour

Item 95.9(From Mod 5):
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: R2CBH - Control
Control Type: FABRIC FILTER

Emission Source/Control: R2CLN - Control
Control Type: LOW NOx BURNER

Emission Source/Control: R2CLD - Process
Design Capacity: 20 tons per hour

Item 95.10(From Mod 5):
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 95.11(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 95.12(From Mod 2):
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 95.13(From Mod 2):
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 95.14(From Mod 1):
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.

Emission Source/Control: ANNL3 - Process
Design Capacity: 2,625 kilowatts

Item 95.15(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.

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 95.16(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, 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 00CM88, 00QDB, AND 0ANL2 ARE ASSOCIATED WITH THIS PROCESS.

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: CLD88 - Process
Design Capacity: 90 tons per hour

Emission Source/Control: FINS2 - Process

Item 95.17(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 95.18(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 95.19(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 95.20(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: RMFH1 - Process Removal Date: 12/31/1992
Design Capacity: 20 tons per hour

Emission Source/Control: RMFH2 - Process Removal Date: 12/31/1992
Design Capacity: 20 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: RMFM1 - Process Removal Date: 12/31/1992
Design Capacity: 20 tons per hour

Emission Source/Control: RMFM2 - Process Removal Date: 12/31/1992
Design Capacity: 20 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

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: 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 1-12: Contaminant List
Effective between the dates of 06/17/2003 and 04/03/2007

Applicable State Requirement: ECL 19-0301

Item 1-12.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this

permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 001746-01-6
Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 051207-31-9
Name: 2,3,7,8-TETRACHLORODIBENZOFURAN

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

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 0NY090-00-0
Name: OIL MIST

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

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

CAS No: 0NY075-00-5
Name: PM-10

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

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

Condition 96: Unavoidable noncompliance and violations
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-1.4

Item 96.1:
At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued

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

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

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

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

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

Condition 5-44: Facility Permissible Emissions
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-44.1:
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: 007446-09-5 (From Mod 5) PTE: 828,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0 (From Mod 5) PTE: 650,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 5-45: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-45.1:
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:

40CFR 52-A.21

Item 5-45.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-45.3:
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 5-45.4:
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 5-45.5:
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 5-45.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: R-C2CLD
Process: R2C

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

Item 5-45.7:
Compliance Demonstration 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 5-46: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-46.1:
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:

40CFR 52-A.21

Item 5-46.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-46.3:
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 5-46.4:
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 5-46.5:
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 5-46.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: R-C2CLD
Process: R2C

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 0NY210-00-0 OXIDES OF NITROGEN
CAS No: 0NY998-00-0 VOC
CAS No: 0NY075-00-0 PARTICULATES

Item 5-46.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The feed of used beverage containers to the Recycle 2 Cold process shall not exceed 120,000 tons per year on a 12 month rolling basis.

Parameter Monitored: CONTAINERS
Upper Permit Limit: 120000 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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5-47: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-47.1:
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:

40CFR 52-A.21

Item 5-47.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-47.3:
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 5-47.4:
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 5-47.5:
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 5-47.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

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

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 0NY210-00-0 OXIDES OF NITROGEN
CAS No: 0NY998-00-0 VOC
CAS No: 0NY075-00-0 PARTICULATES

Item 5-47.7:
Compliance Demonstration 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: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5-48: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-48.1:
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:

40CFR 52-A.21

Item 5-48.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-48.3:
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 5-48.4:
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 5-48.5:
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 5-48.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: R-C2HOT
Process: R2H

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 0NY210-00-0 OXIDES OF NITROGEN
CAS No: 0NY998-00-0 VOC
CAS No: 0NY075-00-0 PARTICULATES

Item 5-48.7:
Compliance Demonstration 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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5-49: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-49.1:
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:

40CFR 52-A.21

Item 5-49.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-49.3:
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 5-49.4:
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 5-49.5:
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 5-49.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: R-C2HOT
Process: R2H

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

Item 5-49.7:
Compliance Demonstration 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 5-50: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-50.1:
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:

40CFR 52-A.21

Item 5-50.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-50.3:
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 5-50.4:
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 5-50.5:
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 5-50.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: R-C2HOT
Process: R2H

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

Item 5-50.7:

Compliance Demonstration 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 5-51: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-51.1:
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:

40CFR 52-A.21

Item 5-51.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-51.3:
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 5-51.4:
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 5-51.5:
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 5-51.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: R-C2HOT
Process: R2H

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

Item 5-51.7:
Compliance Demonstration 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 5-52: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-52.1:
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:

40CFR 52-A.21

Item 5-52.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms,

conditions and standards in this permit.

Item 5-52.3:
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 5-52.4:
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 5-52.5:
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 5-52.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: R-C2HOT
Process: R2H

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

Item 5-52.7:
Compliance Demonstration 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 5-53: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-53.1:
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:

40CFR 52-A.21

Item 5-53.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-53.3:
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 5-53.4:
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 5-53.5:
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 5-53.6:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 5-53.7:
Compliance Demonstration 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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 5-54: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-54.1:
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:

40CFR 52-A.21

Item 5-54.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-54.3:
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 5-54.4:
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 5-54.5:
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 5-54.6:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 5-54.7:
Compliance Demonstration 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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 98: Air pollution prohibited
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable State Requirement: 6NYCRR 211.2

Item 98.1:
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 99: Compliance Demonstration
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable State Requirement: 6NYCRR 212.9(b)

Item 99.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: R-C2HOT
Process: R2H

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 99.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The overall removal efficiency (expressed in terms of weight percent) of hydrogen chloride shall shall be at least 75 percent, for the Recycle 2 Hot process.

Parameter Monitored: HYDROGEN CHLORIDE
Lower Permit Limit: 75 percent reduction by weight
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 100: Compliance Demonstration
Effective between the dates of 04/03/2002 and 04/03/2007

Applicable State Requirement: 6NYCRR 225-1.2(a)(2)

Item 100.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 100.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC

OPERATIONS
Monitoring Description:
No person will sell, offer for sale, purchase or use any fuel oil (distillate or residual) which contains sulfur in a quantity exceeding 1.5 percent by weight.

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 fuel oil received from off-site.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL
Parameter Monitored: FUEL
Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

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

Condition 5-55: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-55.1:
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:

40CFR 52-A.21

Item 5-55.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-55.3:
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 5-55.4:
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 5-55.5:
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 5-55.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00RC1
Process: 0BH

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

Item 5-55.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

PM-10 emissions from the operation of the melting furnace F and G side wells and associated baghouse shall not exceed 0.90 lb/hr, except during periods of unavoidable equipment malfunction as outlined in permit conditions listed under 6NYCRR Part 201-1.4.

Emissions testing to be performed during the same period as the required testing is to be performed for the HAP early reduction sources deferred from 40 CFR 63 Subpart RRR compliance. Testing must be performed in accordance with a Department approved protocol and witnessed by a representative of the Department. A final test report must be submitted with 60 days of test completion and must also be addressed in the subsequent semi-annual report submittal.

Parameter Monitored: PM-10
Upper Permit Limit: 0.90 pounds per hour
Reference Test Method: 201 or 201A, and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 5-56: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-56.1:
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:

40CFR 52-A.21

Item 5-56.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-56.3:
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 5-56.4:
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 5-56.5:
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 5-56.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00RC1

Process: MHF

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

Item 5-56.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

PM-10 emissions from the operation of the melting furnace F main hearth shall not exceed 0.80 lb/hr, except during those periods that dross is being skimmed from the main hearth.

Emissions testing to be performed during the same period as the required testing is to be performed for the HAP early reduction sources deferred from 40 CFR 63 Subpart RRR compliance. Testing must be performed in accordance with a Department approved protocol and witnessed by a representative of the Department. A final test report must be submitted with 60 days of test completion and must also be addressed in the subsequent semi-annual report submittal.

Parameter Monitored: PM-10
Upper Permit Limit: 0.80 pounds per hour
Reference Test Method: 201 or 201A, and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 5-57: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-57.1:
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:

40CFR 52-A.21

Item 5-57.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-57.3:
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 5-57.4:
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 5-57.5:
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 5-57.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00RC1
Process: MHG

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

Item 5-57.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

PM-10 emissions from the operation of the melting furnace G main hearth shall not exceed 0.80 lb/hr, except during those periods that dross is being skimmed from the main hearth.

Emissions testing to be performed during the same period as the required testing is to be performed for the HAP early reduction sources deferred from 40 CFR 63 Subpart RRR compliance. Testing must be performed in accordance with a Department approved protocol and witnessed by a

representative of the Department. A final test report must be submitted with 60 days of test completion and must also be addressed in the subsequent semi-annual report submittal.

Parameter Monitored: PM-10
Upper Permit Limit: 0.80 pounds per hour
Reference Test Method: 201 or 201A, and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 5-58: Capping Monitoring Condition
Effective between the dates of 09/06/2005 and 04/03/2007

Applicable State Requirement: 6NYCRR 201-7.1

Item 5-58.1:
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:

40CFR 52-A.21

Item 5-58.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5-58.3:
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 5-58.4:
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 5-58.5:
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 5-58.6:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00RC1
Process: RC1

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

Item 5-58.7:
Compliance Demonstration 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 10/30/2005.
Subsequent reports are due every 6 calendar month(s).