PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 7-3126-00277/00037
Mod 0 Effective Date: 04/02/2007 Expiration Date: 04/01/2017

Mod 2 Effective Date: 09/04/2014 Expiration Date: 04/01/2017

Permit Issued To:METALICO ALUMINUM RECOVERY INC
186 NORTH AVE E
CRANFORD, NJ 07016

Contact: METALICO ALUMINUM RECOVERY INC
186 NORTH AVE E
CRANFORD, NJ 07016
(908) 497-9610

Facility: METALICO ALUMINUM RECOVERY INC
6225 THOMPSON RD
EAST SYRACUSE, NY 13206

Contact: DENNIS FLANAGAN
METALICO ALUMINUM RECOVER INC
PO BOX 88
EAST SYRACUSE, NY 13057-0088
(315) 463-9500

Description:
The facility occupies Building #2 of the former Thompson Corners, LLC facility located at 6223 Thompson Road. The primary operation is the recovery of aluminum scrap metal. Additional scrap metal recycling activities also occur at the facility. Permit Modification #2 includes the installation of a wastewater evaporator.

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

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

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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

LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Applications for Permit Renewals and Modifications

Permit modifications, suspensions or revocations by the Department

Permit modifications, suspensions or revocations by the Department

Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS

DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

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

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

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

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

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

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

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

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

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:
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 4.2:
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 4.3:
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 5: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 5.1:
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 2-1: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 2-1.1:
The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions,

relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

Item 6.1:
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.

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

Condition 7: Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 7.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:METALICO ALUMINUM RECOVERY INC
186 NORTH AVE E
CRANFORD, NJ 07016

Facility: METALICO ALUMINUM RECOVERY INC
6225 THOMPSON RD
EAST SYRACUSE, NY 13206

Authorized Activity By Standard Industrial Classification Code:
3341 - SECONDARY NONFERROUS METALS

Mod 0 Permit Effective Date: 04/02/2007 Permit Expiration Date: 04/01/2017

Mod 2 Permit Effective Date: 09/04/2014 Permit Expiration Date: 04/01/2017

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

1 6 NYCRR 200.6: Acceptable Ambient Air Quality
2 6 NYCRR 200.7: Maintenance of Equipment
2-1 6 NYCRR Subpart 201-7: Facility Permissible Emissions
*2-2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*2-3 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*2-4 6 NYCRR Subpart 201-7: Capping Monitoring Condition
2-5 6 NYCRR 211.1: Air pollution prohibited
6 40CFR 63.1506, Subpart RRR: Compliance Demonstration
7 40CFR 63.1506(c), Subpart RRR: Compliance Demonstration
8 40CFR 63.1506(d), Subpart RRR: Compliance Demonstration
9 40CFR 63.1506(p), Subpart RRR: Compliance Demonstration
10 40CFR 63.1510(b), Subpart RRR: Compliance Demonstration
11 40CFR 63.1510(e), Subpart RRR: Compliance Demonstration
12 40CFR 63.1510(s), Subpart RRR: Site-specific requirements for secondary aluminum processing units
13 40CFR 63.1511, Subpart RRR: Compliance Demonstration
14 40CFR 63.1515, Subpart RRR: Compliance Demonstration
15 40CFR 63.1516, Subpart RRR: Compliance Demonstration
16 40CFR 63.1517, Subpart RRR: Compliance Demonstration

Emission Unit Level

EU=U-00001

17 40CFR 63.1505(c), Subpart RRR: Thermal Chip Dryer Emission Standards
18 40CFR 63.1510(d), Subpart RRR: Capture and Collection System
19 40CFR 63.1512(b), Subpart RRR: Compliance Demonstration

EU=U-00001,Proc=100,ES=DRY01

20 40CFR 63.1510(k), Subpart RRR: Compliance Demonstration

EU=U-00001,Proc=100,ES=LM101

21 40CFR 63.1510(i), Subpart RRR: Compliance Demonstration
22 40CFR 63.1512(p), Subpart RRR: Compliance Demonstration

EU=U-00001,EP=00001

23 6 NYCRR 212.4 (b): Compliance Demonstration
24 6 NYCRR 212.4 (c): Compliance Demonstration
25 6 NYCRR 212.6 (a): Compliance Demonstration

EU=U-00001,EP=00001,Proc=100,ES=0AB01

26 40CFR 63.1506(f), Subpart RRR: Compliance Demonstration
27 40CFR 63.1510(g), Subpart RRR: Compliance Demonstration

EU=U-00001,EP=00001,Proc=100,ES=BAG01

28 40CFR 63.1510(f), Subpart RRR: Compliance Demonstration

EU=U-00002

29 40CFR 63.1505(k), Subpart RRR: Compliance Demonstration
30 40CFR 63.1510(d), Subpart RRR: Capture and Collection System
31 40CFR 63.1512(j), Subpart RRR: Compliance Demonstration

EU=U-00002,Proc=200,ES=LM102

32 40CFR 63.1510(i), Subpart RRR: Compliance Demonstration
33 40CFR 63.1512(p), Subpart RRR: Compliance Demonstration

EU=U-00002,Proc=200,ES=REV01

34 40CFR 63.1512(d), Subpart RRR: Compliance Demonstration

EU=U-00002,EP=00002

35 6 NYCRR 212.4 (b): Compliance Demonstration
36 6 NYCRR 212.4 (c): Compliance Demonstration
37 6 NYCRR 212.6 (a): Compliance Demonstration
38 40CFR 63.1505(i), Subpart RRR: Group 1 Furnace Dioxin/Furan Limit

EU=U-00002,EP=00002,Proc=200,ES=BAG02

39 40CFR 63.1510(f), Subpart RRR: Compliance Demonstration
40 40CFR 63.1510(t), Subpart RRR: Compliance Demonstration

EU=U-00003

41 40CFR 63.1505(k), Subpart RRR: Compliance Demonstration
42 40CFR 63.1510(d), Subpart RRR: Capture and Collection System
43 40CFR 63.1512(j), Subpart RRR: Compliance Demonstration

EU=U-00003,Proc=300,ES=LM103

44 40CFR 63.1510(i), Subpart RRR: Compliance Demonstration
45 40CFR 63.1512(p), Subpart RRR: Compliance Demonstration

EU=U-00003,Proc=300,ES=RTF01

46 40CFR 63.1512(d), Subpart RRR: Compliance Demonstration

EU=U-00003,EP=00004

47 6 NYCRR 212.4 (b): Compliance Demonstration
48 6 NYCRR 212.4 (c): Compliance Demonstration
49 6 NYCRR 212.6 (a): Compliance Demonstration
50 40CFR 63.1505(i), Subpart RRR: Group 1 Furnace Dioxin/Furan Limit

EU=U-00003,EP=00004,Proc=300,ES=BAG03

51 40CFR 63.1510(f), Subpart RRR: Compliance Demonstration
52 40CFR 63.1510(t), Subpart RRR: Compliance Demonstration

EU=U-00004

53 40CFR 63.1506(a), Subpart RRR: Compliance Demonstration
54 40CFR 63.1506(h), Subpart RRR: Compliance Demonstration
55 40CFR 63.1510(d), Subpart RRR: Capture and Collection System

EU=U-00004,Proc=400,ES=0AB02

56 40CFR 63.1510(g), Subpart RRR: Compliance Demonstration

EU=U-00004,EP=00005

57 6 NYCRR 212.6 (a): Compliance Demonstration

EU=U-00004,EP=00006,Proc=400,ES=BAG04
58 6 NYCRR 212.4 (a): Compliance Demonstration

EU=U-00005
59 40CFR 63.1505(k), Subpart RRR: Compliance Demonstration
60 40CFR 63.1510(d), Subpart RRR: Capture and Collection System
61 40CFR 63.1512(j), Subpart RRR: Compliance Demonstration

EU=U-00005,Proc=500,ES=LM104
62 40CFR 63.1510(i), Subpart RRR: Compliance Demonstration
63 40CFR 63.1512(p), Subpart RRR: Compliance Demonstration

EU=U-00005,Proc=500,ES=REV02
64 40CFR 63.1512(d), Subpart RRR: Compliance Demonstration

EU=U-00005,EP=00007

65 6 NYCRR 212.4 (b): Compliance Demonstration
66 6 NYCRR 212.4 (c): Compliance Demonstration
67 6 NYCRR 212.6 (a): Compliance Demonstration
68 40CFR 63.1505(i), Subpart RRR: Group 1 Furnace Dioxin/Furan Limit

EU=U-00005,EP=00007,Proc=500,ES=BAG05
69 40CFR 63.1510(t), Subpart RRR: Compliance Demonstration

EU=U-00005,EP=00008,Proc=500,ES=BAG05
70 40CFR 63.1510(f), Subpart RRR: Compliance Demonstration

EU=U-00006,Proc=600,ES=EVA01
2-6 6 NYCRR 212.11 (b) (5): Compliance Demonstration

EU=U-00006,EP=00009

2-7 6 NYCRR 212.4 (b): Compliance Demonstration
2-8 6 NYCRR 212.4 (c): Compliance Demonstration
2-9 6 NYCRR 212.6 (a): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
71 ECL 19-0301: Contaminant List
2-10 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
72 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
73 6 NYCRR Subpart 201-5: Emission Unit Definition
2-11 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
74 6 NYCRR 211.2: Air pollution prohibited
2-12 6 NYCRR 211.2: Visible Emissions Limited

2-13 6 NYCRR 211.2: Compliance Demonstration
Emission Unit Level
75 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
76 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

EU=U-00006,Proc=600,ES=EVA01
2-14 6 NYCRR 201-5.3 (c): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

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

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

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

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

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

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

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

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

required to operate such device effectively.

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

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

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

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

Item E: Emergency Defense - 6 NYCRR 201-1.5

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

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

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

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

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: **Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

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

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

Item K: **Open Fires Prohibitions - 6 NYCRR 215.2**
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 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.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: **Acceptable Ambient Air Quality**

Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 200.6

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

Condition 2: Maintenance of Equipment
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 200.7

Item 2.1:
Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 2-1: Facility Permissible Emissions
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 2-1.1:
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 2) PTE: 199,999 pounds per year
Name: SULFUR DIOXIDE

CAS No: 007647-01-0 (From Mod 2) PTE: 19,999 pounds per year
Name: HYDROGEN CHLORIDE

CAS No: 0NY998-00-0 (From Mod 2) PTE: 99,999 pounds per year
Name: VOC

Condition 2-2: Capping Monitoring Condition
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 2-2.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

Item 2-2.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 2-2.3:
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 2-2.4:
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 2-2.5:
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 2-2.6:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 2-2.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Facility emissions of Total Volatile Organic Compounds (VOC) shall not exceed 49.9 tons over any twelve consecutive month period; emission shall be tracked on a monthly basis.

Monitoring Frequency: MONTHLY
Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 2-3: Capping Monitoring Condition
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 2-3.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

Item 2-3.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 2-3.3:
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 2-3.4:
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 2-3.5:
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 2-3.6:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 2-3.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
Reverbatory Furnace #1 (EU: U-00002) and Reveratory Furnace #2 (EU: U-00005) shall not simultaneously operate at the facility. Prior to start-up of Furnace #2 a plan shall be submitted (subject to Department approval) which identifies how this physical limitation will be accomplished in addition to what monitoring will be necessary to ensure compliance with this process limitation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 2-4: Capping Monitoring Condition
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 2-4.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

Item 2-4.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 2-4.3:
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 2-4.4:
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 2-4.5:

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 2-4.6:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 2-4.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Facility emissions of hydrogen chloride shall not exceed 9.9 tons over any twelve consecutive month period; emission shall be tracked on a monthly basis. The lime injection feed rate to the baghouses shall always be equal to or above those which were observed during initial performance tests (to verify compliance with the Part 212 control efficiency requirement establishing a correlating percent removal efficiency for each control system). Lower lime injection rates can only be used during operation if another stack test was perfomed (at a lower lime injection rate) to show compliance with Part 212.

Parameter Monitored: HYDROGEN CHLORIDE
Upper Permit Limit: 9.9 tons per year
Reference Test Method: EPA RM 26
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 2-5: Air pollution prohibited
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 211.1

Item 2-5.1:
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 6: **Compliance Demonstration**
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:40CFR 63.1506, Subpart RRR

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

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

Item 6.2:
Compliance Demonstration 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 DELAQUERING KILN/DECOATING KILN THAT IDENTIFIES THE APPLICABLE EMISSION LIMITS AND MEANS OF COMPLIANCE.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 7: **Compliance Demonstration**
Effective between the dates of 04/02/2007 and 04/01/2017

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

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

Item 7.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EACH EMISSION UNIT EQUIPPED WITH ADD-ON AIR POLLUTION CONTROL DEVICE MUST DESIGN AND OPERATE IN ACCORDANCE WITH 40 CFR 63.1506(c).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 8: **Compliance Demonstration**
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 8.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 8.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
FACILITY IS SUBJECT TO EMISSION LIMITS
ON A FEED/CHARGE BASIS AND MUST INSTALL
AND OPERATE DEVICE TO MEASURE FEED/CHARGE
WEIGHT DURING PERFORMANCE TEST AND
ROUTINE OPERATIONS.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 9: **Compliance Demonstration**
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 9.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 9.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
WHEN PROCESS PARAMETERS OR AIR POLLUTION
CONTROL DEVICE OPERATING PARAMETER
DEVIATES FROM VALUE OR RANGE INCORPORATED
INTO OM&M, CORRECTIVE ACTION MUST BE
INITIATED; SEE 40 CFR 63 SUBPART RRR
1506 (P).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 10: **Compliance Demonstration**
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 10.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 10.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
PREPARE AND IMPLEMENT A WRITTEN OM&M PLAN FOR EACH NEW OR EXISTING AFFECTED SOURCE AND EMISSION UNIT. REFER TO 40 CFR 63 RRR 1510(B)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 11: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 11.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 11.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
MUST INSTALL, CALIBRATE AND OPERATE DEVICE TO MEASURE FEED/CHARGE OVER SAME OPERATING CYCLE USED DURING PERFORMANCE TEST; OPERATE AND MAINTAIN ACCORDING TO 40 CFR 63 SUBPART RRR 1510 (E).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 12: Site-specific requirements for secondary aluminum processing units
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 12.1:
(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 40 CFR Part 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 40 CFR Part 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 (1) of this condition and obtain approval of the applicable permitting authority prior to implementing any revisions.

Condition 13: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:40CFR 63.1511, Subpart RRR

Item 13.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 13.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
FACILITY MUST PREPARE SITE SPECIFIC
PERFORMANCE TEST PLAN AND PERFORM INITIAL
PERFORMANCE TEST IN ACCORDANCE WITH ALL

APPLICABLE SECTIONS OF 40 CFR 63.1511.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 14: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:40CFR 63.1515, Subpart RRR

Item 14.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 14.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
MUST PROVIDE APPROPRIATE NOTIFICATIONS 1) WHEN AREA SOURCE BECOMES MAJOR SOURCE, 2) CONSTRUCTING OR RECONSTRUCING, 3) FOR PERFORMING COMPLIANCE TESTS AND 4) NOTIFICATION COMPLIANCE STATUS REPORTS. (SEE4 40 CFR 63 RRR 1515)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 15: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:40CFR 63.1516, Subpart RRR

Item 15.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 15.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
MUST SUBMIT THE FOLLOWING MACT REPORTS AS REQUIRED: 1) STARTUP, SHUTDOWN AND MALFUNCTION PLAN/REPORTS (40 CFR 63.6 (E) (3) 2) EXCESS EMISSION SUMMARY REPORTS (40 CFR 63.6 (E) (3) AND 3) ANNUAL COMPLIANCE CERTIFICATION (40 CFR PART 70 OR 71).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 16: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:40CFR 63.1517, Subpart RRR

Item 16.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 16.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
MUST KEEP APPROPRIATE RECORDS AS REQUIRED IN 40 CFR 63.10 (B) AND 40 CFR 63.1517 (B) (1)-(17).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 17: Thermal Chip Dryer Emission Standards
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 17.1:
This Condition applies to Emission Unit: U-00001

Item 17.2:

On and after the date the initial performance test is conducted or required to be conducted, whichever date is earlier, the owner or operator of a thermal chip dryer must not discharge or cause to be discharged to the atmosphere emissions in excess of:

1) 0.40 Kilograms (kg) of THC, as propane, per Megagram (Mg) (0.80 lb of THC, as propane, per ton) of feed/charge from a thermal chip dryer at a secondary aluminum production facility that is a major source ;and

2) 2.50 micrograms (*u*g) of D/F TEQ per Mg (3.5 x 10-5 gr per ton) of feed/charge from a thermal chip dryer at a secondary aluminum production facility that is a major or area source.

Condition 18: Capture and Collection System
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 18.1:
This Condition applies to Emission Unit: U-00001

Item 18.2:
The owner or operator must:
(1) 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
(2) 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 operating requirements in Sec. 63.1506(c) and
record the results of each inspection.

Condition 19: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 19.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

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

Item 19.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a thermal chip dryer must conduct a performance test to measure dioxin/furan emissions at the outlet of the control device while the unit processes only unpainted aluminum chips. The performance tests shall be performed according to the method listed in §63.1511(c) which requires Method 23 for dioxin/furans.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 20: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001
Process: 100 Emission Source: DRY01

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

Item 20.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/operator of a thermal chip dryer with emissions controlled by an afterburner must:

1) Record the type of materials charged to the unit for each operating cycle or time period used in the performance test as required in §63.1511.

2) Submit a certification of compliance with the applicable operational standard for charge materials in §63.1506(f)(3) for each 6-month reporting period. Each certification must contain the information in §63.1516(b)(2)(i) which constitutes a statement that ¿Only unpainted aluminum chips were used as feedstock in any thermal chip dryer during this reporting period.¿

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 21: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 21.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001
Process: 100 Emission Source: LM101

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

Item 21.2:
Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The owner/operator of a continuous lime injection system must verify that the lime is always free-flowing by performing one of the following options:
1) 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/operator must increase the frequency of inspections to at least once every 4-hour period for the next 3 days. The owner/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.

2) Subject to the approval of the NYSDEC, the owner/operator may install, operate, and maintain 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/operator must promptly initiate and complete corrective action.

3) Subject to the approval of the NYSDEC, the owner/operator may install, operate, and maintain 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/operator must promptly initiate and complete corrective action.

The owner/operator of a continuous lime injection system must record the lime feeder setting once every day of operation.

If the owner/operator intermittently adds lime to a lime coated fabric filter, approval must be granted from NYSDEC for a lime addition monitoring procedure. Permission will not be granted 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.

Parameter Monitored: MASS FLOW RATE
Lower Permit Limit: 0 kilograms per hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 8-HOUR BLOCK - ARITHMETIC MEAN
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 22: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 22.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001
Process: 100 Emission Source: LM101

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

Item 22.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/operator of an affected source or emission unit using a lime-injected fabric filter system must use the following procedures during the HCl or the D/F test(s) 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 three test runs. If the feed rate setting varies during the runs, determine and record the average feed rate for the 3 minutes.

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

Condition 23: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 23.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

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

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
ASSUMING AN ENVIRONMENTAL RATING OF "B" FOR HYDROGEN CHLORIDE, AND AN ESTIMATED ERP OF 33.0 LBS/HR, THE REQUIRED CONTROL EFFICIENCY FROM TABLE 2 IS 91%. A STACK TEST TO DEMONSTRATE COMPLIANCE IS REQUIRED AND MUST BE PERFORMED WITHIN 180 DAYS OF START-UP FOLLOWING THE PROTOCOL AND NOTIFICATION REQUIREMENTS SET FORTH IN PART 202.

Lower Permit Limit: 91 percent reduction by weight
Reference Test Method: EPA RM 26
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 24.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

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

Item 24.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
TOTAL SOLID PARTICULATES FOR "B" RATED CONTAMINANT IS LIMITED TO 0.05 GRAINS PER DSCF OF EXHAUST GAS. A STACK TEST TO DEMONSTRATE COMPLIANCE IS REQUIRED AND MUST BE PERFORMED WITHIN 180 DAYS OF START-UP FOLLOWING THE PROTOCOL AND NOTIFICATION REQUIREMENTS SET FORTH IN PART 202.

Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 25.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001

Item 25.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
AVERAGE OPACITY DURING ANY 6 CONSECUTIVE MINUTES SHALL NOT EXCEED 20%. ABNORMAL EMISSIONS SHOULD BE PROMPTLY CORRECTED, WITH DOCUMENTATION BEING RECORDED IN OPERATIONS LOG BOOK. INITIAL OPACITY TESTING IS REQUIRED TO BE PERFORMED DURING THE INITIAL PM STACK TEST.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA RM 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 26: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

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

Emission Unit: U-00001 Emission Point: 00001
Process: 100 Emission Source: 0AB01

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

Item 26.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
The owner/operator of a thermal chip dryer with emissions controlled by an afterburner must meet the following provisions:

1) Maintain the 3-hour block average temperature of each afterburner at or above the average temperature established during the performance test as required in §63.1511(g).

2) Operate each afterburner in accordance with the operation, maintenance, and monitoring plan (OM&M) plan as required in §63.1510(b).

3) Operate each thermal chip dryer using only unpainted aluminum chips as the feedstock.

Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)
Initial Report Due: 10/31/2007 for the period 04/02/2007 through 10/01/2007

Condition 27: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 27.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 100 Emission Source: 0AB01

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

Item 27.2:
Compliance Demonstration 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 time the average temperature established according to the requirements in §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.

Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)
Initial Report Due: 10/31/2007 for the period 04/02/2007 through 10/01/2007

Condition 28: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 28.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: 100 Emission Source: BAG01

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

Item 28.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each new or existing emission unit using a bag leak detections system, the following requirements apply:

- A bag leak detection system must be installed and operated for each exhaust stack of a fabric filter
- Each triboelectric bag leak detection system must be installed, calibrated, operated, and maintained according to the "Fabric Filter Bag Leak Detection Guidance" (Sept. 1997), which is available from EPA's website. Other bag leak detection systems must be installed, operated,

calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations.
- The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 mg/actual cubic meter (0.0044 grains/actual cubic foot) or less.
- The bag leak detection system sensor must provide output of relative or absolute PM loadings.
- The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor
- 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.
- 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
- Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.
- 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.
- Following initial adjustment of the system, the owner/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% or decreased more than 50% 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
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 29.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

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

Item 29.2:
Compliance Demonstration 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 30: Capture and Collection System
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 30.1:
This Condition applies to Emission Unit: U-00002

Item 30.2:
The owner or operator must:
(1) 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
(2) 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 operating requirements in Sec. 63.1506(c) and
record the results of each inspection.

Condition 31: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 31.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

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

Item 31.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must conduct performance tests as described below. The results of the performance tests are used to establish emission rates in lb/ton of feed/charge for PM and HCl and ug 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 40 CFR Part 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 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.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 32: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

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

Emission Unit: U-00002
Process: 200 Emission Source: LM102

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

Item 32.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The owner/operator of a continuous lime injection system must verify that the lime is always free-flowing by performing one of the following options:
1) 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/operator must increase the frequency of inspections to at least once every 4-hour period for the next 3 days. The owner/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.

2) Subject to the approval of the NYSDEC, the owner/operator may install, operate, and maintain 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/operator must promptly initiate and complete corrective action.

3) Subject to the approval of the NYSDEC, the owner/operator may install, operate, and maintain 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/operator must promptly initiate and complete corrective action.

The owner/operator of a continuous lime injection system must record the lime feeder setting once every day of operation.

If the owner/operator intermittently adds lime to a lime coated fabric filter, approval must be granted from NYSDEC for a lime addition monitoring procedure. Permission will not be granted 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.

Parameter Monitored: MASS FLOW RATE
Lower Permit Limit: 0 kilograms per hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 8-HOUR BLOCK - ARITHMETIC MEAN
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 33: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 33.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002
Process: 200 Emission Source: LM102

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

Item 33.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/operator of an affected source or emission unit using a lime-injected fabric filter system must use the following procedures during the HCl or the D/F test(s) 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 three test runs. If the feed rate setting varies during the runs, determine and record the average feed rate for the 3 minutes.

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

Condition 34: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 34.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002
Process: 200 Emission Source: REV01

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

Item 34.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/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 (major facilities) and D/F at the outlet of the control device and emissions of HCl (major facilities) at the outlet (for the emission limit) or the inlet and the outlet (for the percent reduction standard).

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

Condition 35: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 35.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002

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

Item 35.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
ASSUMING AN ENVIRONMENTAL RATING OF "B" FOR HYDROGEN CHLORIDE, AND AN ESTIMATED ERP OF 13.86 LBS/HR, THE REQUIRED CONTROL EFFICIENCY FROM TABLE 2 IS 90%. A STACK TEST TO DEMONSTRATE COMPLIANCE IS REQUIRED AND MUST BE PERFORMED WITHIN 180 DAYS OF START-UP FOLLOWING THE PROTOCOL AND NOTIFICATION REQUIREMENTS SET FORTH IN PART 202.

Lower Permit Limit: 90 percent reduction by weight
Reference Test Method: EPA 26
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 36.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002

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

Item 36.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
TOTAL SOLID PARLTICULATES FOR "B" RATED CONTAIMINANTS IS LIMITED TO 0.05 GRAINS DSCF OF EXHAUST GAS. A STACK TEST TO DEMONSTRATE COMPLIANCE IS REQUIRED AND MUST BE PERFORMED WITHIN 180 DAYS OF

START-UP FOLLOWING THE PROTOCOL AND NOTIFICATION REQUIREMENTS SET FORTH IN PART 202.

Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 37: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 37.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002

Item 37.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
AVERAGE OPACITY DURING ANY 6 CONSECUTIVE MINUTES SHALL NOT EXCEED 20%. ABNORMAL EMISSIONS SHALL BE PROMPTLY CORRECTED, WITH DOCUMENTATION BEING RECORDED IN OPERATOR LOG BOOK. INITIAL OPACITY TESTING IS REQUIRED TO BE PERFORMED DURING THE INITIAL PM STACK TEST.

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

Condition 38: Group 1 Furnace Dioxin/Furan Limit
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 38.1:
This Condition applies to Emission Unit: U-00002 Emission Point: 00002

Item 38.2:
The owner or operator of a group 1 furnace must use the limit in this condition to determine the

emission standards for a Secondary Aluminum Processing Unit pursuant to §63.1505(k). The limit for Dioxins/Furans is 15 µg of D/F TEQ per Mg (2.1 x 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. This limit does not apply if the furnace processes only clean charge.

Condition 39: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 39.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 200 Emission Source: BAG02

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

Item 39.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each new or existing emission unit using a bag leak detections system, the following requirements apply:

- A bag leak detection system must be installed and operated for each exhaust stack of a fabric filter
- Each triboelectric bag leak detection system must be installed, calibrated, operated, and maintained according to the "Fabric Filter Bag Leak Detection Guidance" (Sept. 1997), which is available from EPA's website. Other bag leak detection systems must be installed, operated, calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations.
- The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 mg/actual cubic meter (0.0044 grains/actual cubic foot) or less.
- The bag leak detection system sensor must provide output of relative or absolute PM loadings.
- The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor
- 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.

- 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
- Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.
- 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.
- Following initial adjustment of the system, the owner/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% or decreased more than 50% 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
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 40.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002
Process: 200 Emission Source: BAG02

Item 40.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EMISSION UNIT U00002 HAS BEEN DESIGNATED TO BE WITHIN THE SECONDARY ALUMINUM PROCESSING UNIT (SAPU)A. EMISSIONS COMPLIANCE IS CERTIFIED BY PERFORMING 3 DAY, 24 HOUR ROLLING AVERAGE CALCULATIONS AS DETAILED IN 40 CFR 63.1510(T) AND THE OM&M PLAN.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 41: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 41.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

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

Item 41.2:
Compliance Demonstration 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 42: Capture and Collection System
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 42.1:
This Condition applies to Emission Unit: U-00003

Item 42.2:
The owner or operator must:
(1) 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
(2) 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 operating requirements in Sec. 63.1506(c) and
record the results of each inspection.

Condition 43: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 43.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

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

Item 43.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must conduct performance tests as described below. The results of the performance tests are used to establish emission rates in lb/ton of feed/charge for PM and HCl and ug 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 40 CFR Part 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 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.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 44: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 44.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003
Process: 300 Emission Source: LM103

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

Item 44.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The owner/operator of a continuous lime injection system must verify that the lime is always free-flowing by performing one of the following options:
1) 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/operator must increase the frequency of inspections to at least once every 4-hour period for the next 3 days. The owner/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.

2) Subject to the approval of the NYSDEC, the owner/operator may install, operate, and maintain 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/operator must promptly initiate and complete corrective action.

3) Subject to the approval of the NYSDEC, the owner/operator may install, operate, and maintain 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/operator must promptly initiate and complete corrective action.

The owner/operator of a continuous lime injection system must record the lime feeder setting once every day of operation.

If the owner/operator intermittently adds lime to a lime coated fabric filter, approval must be granted from NYSDEC for a lime addition monitoring procedure. Permission will not be granted 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.

Parameter Monitored: MASS FLOW RATE
Lower Permit Limit: 0 kilograms per hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 8-HOUR BLOCK - ARITHMETIC MEAN
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 45.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003
Process: 300 Emission Source: LM103

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

Item 45.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/operator of an affected source or emission unit using a lime-injected fabric filter system must use the following procedures during the HCl or the D/F test(s) 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 three test runs. If the feed rate setting varies during the runs, determine and record the average feed rate for the 3 minutes.

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

Condition 46: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 46.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003
Process: 300 Emission Source: RTF01

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

Item 46.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/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 (major facilities) and D/F at the outlet of the control device and emissions of HCl (major facilities) at the outlet (for the emission limit) or the inlet and the outlet (for the percent reduction standard).

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

Condition 47: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 47.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003 Emission Point: 00004

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

Item 47.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
ASSUMING AN ENVIRONMENTAL RATING OF "B" FOR HYDROGEN CHLORIDE, AND AN ESTIMATED ERP OF 11.16 LBS/HR, THE REQUIRED CONTROL EFFICIENCY FROM TABLE 2 IS 90%. A STACK TEST TO DEMONSTRATE COMPLIANCE IS REQUIRED AND MUST BE PERFORMED WITHIN 180 DAYS OF START-UP FOLLOWING THE PROTOCOL AND NOTIFICATION REQUIREMENTS SET FORTH IN PART 202.

Lower Permit Limit: 90 percent reduction by weight
Reference Test Method: EPA 26
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 48: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 48.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003 Emission Point: 00004

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

Item 48.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
TOTAL SOLID PARTICULATES FOR "B" RATED CONTAMINANT IS LIMITED TO 0.05 GRAINS PER DSCF OF EXHAUST GAS. A STACK TEST TO DEMONSTRATE COMPLIANCE IS REQUIRED AND MUST BE PERFORMED WITHIN 180 DAYS OF START-UP FOLLOWING THE PROTOCOL AND NOTIFICATION REQUIREMENTS SET FORTH IN PART 202.

Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 49: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 49.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003 Emission Point: 00004

Item 49.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
AVERAGE OPACITY DURING ANY 6 CONSECUTIVE MINUTES SHALL NOT EXCEED 20%. ABNORMAL EMISSIONS SHALL BE PROMPTLY CORRECTED WITH DOCUMENTATION BEING RECORDED IN OPERATIONS LOG BOOK. INITIAL OPACITY TESTING IS REQUIRED TO BE PERFORMED DURING THE INITIAL PM STACK TEST.

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

Condition 50: Group 1 Furnace Dioxin/Furan Limit
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 50.1:
This Condition applies to Emission Unit: U-00003 Emission Point: 00004

Item 50.2:
The owner or operator of a group 1 furnace must use the limit in this condition to determine the emission standards for a Secondary Aluminum Processing Unit pursuant to §63.1505(k). The limit for Dioxins/Furans is 15 µg of D/F TEQ per Mg (2.1 x 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. This limit does not apply if the furnace processes only clean charge.

Condition 51: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 51.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003 Emission Point: 00004
Process: 300 Emission Source: BAG03

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

Item 51.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each new or existing emission unit using a bag leak detections system, the following requirements apply:

- A bag leak detection system must be installed and operated for each exhaust stack of a fabric filter
- Each triboelectric bag leak detection system must be installed, calibrated, operated, and maintained according to the "Fabric Filter Bag Leak Detection Guidance" (Sept. 1997), which is available from EPA's website. Other bag leak detection systems must be installed, operated, calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations.
- The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 mg/actual cubic meter (0.0044

grains/actual cubic foot) or less.
- The bag leak detection system sensor must provide output of relative or absolute PM loadings.
- The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor
- 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.
- 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
- Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.
- 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.
- Following initial adjustment of the system, the owner/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% or decreased more than 50% 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
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 52: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 52.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003	Emission Point: 00004
Process: 300	Emission Source: BAG03

Item 52.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EMISSION UNIT U00003 HAS BEEN DESIGNATED TO BE WITHIN THE SECONDARY ALUMINUM PROCESSING UNIT (SAPU)A. EMISSION COMPLIANCE IS CERTIFIED BY PERFORMING 3 DAY, 24 HOUR ROLLING AVERAGE CALCULATIONS AS DETAILED IN 40 CFR 63.1510(T) AND THE OM&M PLAN.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 53.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

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

Item 53.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
On and after the compliance date established by §63.1501, the owner/operator must operate all new and existing affected sources and control equipment according to the requirements in this section.

The owner/operator of an existing sweat furnace that meets the specifications of §63.1505(f)(1) [requiring 1600F and 0.8 sec. residence time] must operate the sweat furnace and control equipment according to the requirements of this section on and after the compliance date of this standard.

The owner or operator of a new sweat furnace that meets the specifications of §63.1505(f)(1) must operate the

sweat furnace and control equipment according to the requirements of this section by March 23, 2000 or upon startup, whichever is later.

Operating requirements are summarized in Table 2 to this subpart.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 54: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 54.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

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

Item 54.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The owner/operator of a sweat furnace with emissions controlled by an afterburner must:

1) Maintain the 3-hour block average operating temperature of each afterburner at or above the average temperature established during the performance test or 1600 °F if a performance test was not conducted, and the afterburner meets the specifications of §63.1505(f)(1).

2) Operate each afterburner in accordance with the operation, maintenance, and monitoring (OM&M) plan as required in §63.1510(b).

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 1600 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 55: Capture and Collection System
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 55.1:
This Condition applies to Emission Unit: U-00004

Item 55.2:
The owner or operator must:
(1) 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
(2) 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 operating requirements in Sec. 63.1506(c) and
record the results of each inspection.

Condition 56: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 56.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004
Process: 400 Emission Source: 0AB02

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

Item 56.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
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 time the average temperature established according to the requirements in §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.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1600 degrees Fahrenheit
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 57.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004 Emission Point: 00005

Item 57.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
AVERAGE OPACITY DURING ANY 6 CONSECUTIVE MINUTES SHALL NOT EXCEED 20%. ABNORMAL EMISSIONS SHALL BE PROMPTLY CORRECTED WITH DOCUMENTATION BEING RECORDED IN OPERATIONS LOG BOOK. INITIAL OPACITY TESTING IS REQUIRED TO BE PERFORMED DURING THE INITIAL PM STACK TEST.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA RM 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 58: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 58.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004 Emission Point: 00006
Process: 400 Emission Source: BAG04

Item 58.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
THE BAGHOUSE CONTROLLING EMISSIONS FROM THE SWEAT FURNACE CHARGE AREA AND SLAG PANS WILL BE EQUIPPED WITH PHOTOHELIC GAUGE TO CONTROL BAG CLEAN CYCLE. THE FURNACE OPERATOR WILL MONITOR THE GAUGE ONCE PER DAY AND IF IT EXCEEDS MANUFACTURER'S OPERATING RANGE MANUAL CLEANING OF BAGS WILL BE PERFORMED.

Manufacturer Name/Model Number: PHOTOHELIC GAUGE
Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 59.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

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

Item 59.2:
Compliance Demonstration 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 60: Capture and Collection System
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 60.1:
This Condition applies to Emission Unit: U-00005

Item 60.2:
The owner or operator must:
(1) 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
(2) 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 operating requirements in Sec. 63.1506(c) and
record the results of each inspection.

Condition 61: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 61.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005

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

Item 61.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator must conduct performance tests as described below. The results of the performance tests are used to establish emission rates in lb/ton of feed/charge for PM and HCl and ug 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 40 CFR Part 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 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.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 62: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 62.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005
Process: 500 Emission Source: LM104

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

Item 62.2:
Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The owner/operator of a continuous lime injection system must verify that the lime is always free-flowing by performing one of the following options:
1) 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/operator must increase the frequency of inspections to at least once every 4-hour period for the next 3 days. The owner/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.

2) Subject to the approval of the NYSDEC, the owner/operator may install, operate, and maintain 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/operator must promptly initiate and complete corrective action.

3) Subject to the approval of the NYSDEC, the owner/operator may install, operate, and maintain 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/operator must promptly initiate and complete corrective action.

The owner/operator of a continuous lime injection system must record the lime feeder setting once every day of operation.

If the owner/operator intermittently adds lime to a lime coated fabric filter, approval must be granted from NYSDEC for a lime addition monitoring procedure. Permission will not be granted 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.

Parameter Monitored: MASS FLOW RATE
Lower Permit Limit: 0 kilograms per hour
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 8-HOUR BLOCK - ARITHMETIC MEAN
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 63: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 63.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005
Process: 500 Emission Source: LM104

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

Item 63.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/operator of an affected source or emission unit using a lime-injected fabric filter system must use the following procedures during the HCl or the D/F test(s) 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 three test runs. If the feed rate setting varies during the runs, determine and record the average feed rate for the 3 minutes.

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

Condition 64: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 64.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005
Process: 500 Emission Source: REV02

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

Item 64.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner/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 (major facilities) and D/F at the outlet of the control device and emissions of HCl (major facilities) at the outlet (for the emission limit) or the inlet and the outlet (for the percent reduction standard).

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

Condition 65: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 65.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005 Emission Point: 00007

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

Item 65.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
ASSUMING AN ENVIRONMENTAL RATING OF "B" FOR HYDROGEN CHLORIDE, AND AN ESTIMATED ERP OF 13.86 LBS/HR, THE REQUIRED CONTROL EFFICIENCY FROM TABLE 2 IS 90%. A STACK TEST TO DEMONSTRATE COMPLIANCE IS REQUIRED AND MUST BE PERFORMED WITHIN 180 DAYS OF START-UP FOLLOWING THE PROTOCOL AND NOTIFICATION REQUIREMENTS SET FORTH IN PART 202.

Lower Permit Limit: 90 percent reduction by weight
Reference Test Method: EPA 26
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 66: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 66.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005 Emission Point: 00007

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

Item 66.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
TOTAL SOLID PARLTICULATES FOR "B" RATED CONTAMINANTS IS LIMITED TO 0.05 GRAINS DSCF OF EXHAUST GAS. A STACK TEST TO DEMONSTRATE COMPLIANCE IS REQUIRED AND MUST BE PERFORMED WITHIN 180 DAYS OF START-UP FOLLOWING THE PROTOCOL AND NOTIFICATION REQUIREMENTS SET FORTH IN PART 202.

Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 67: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 67.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005 Emission Point: 00007

Item 67.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
AVERAGE OPACITY DURING ANY 6 CONSECUTIVE MINUTES SHALL NOT EXCEED 20%. ABNORMAL EMISSIONS SHALL BE PROMPTLY CORRECTED, WITH DOCUMENTATION BEING RECORDED IN OPERATOR LOG BOOK. INITIAL OPACITY TESTING IS REQUIRED TO BE PERFORMED DURING THE INITIAL PM STACK TEST.

Manufacturer Name/Model Number: PT 60 APP A METHOD 9
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA RM 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 68: Group 1 Furnace Dioxin/Furan Limit
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 68.1:
This Condition applies to Emission Unit: U-00005 Emission Point: 00007

Item 68.2:
The owner or operator of a group 1 furnace must use the limit in this condition to determine the emission standards for a Secondary Aluminum Processing Unit pursuant to §63.1505(k). The limit for Dioxins/Furans is 15 µg of D/F TEQ per Mg (2.1 x 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. This limit does not apply if the furnace processes only clean charge.

Condition 69: Compliance Demonstration

Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 69.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005 Emission Point: 00007
Process: 500 Emission Source: BAG05

Item 69.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
EMISSION UNIT U00005 HAS BEEN DESIGNATED TO BE WITHIN THE SECONDARY ALUMINUM PROCESSING UNIT (SAPU)A. EMISSIONS COMPLIANCE IS CERTIFIED BY PERFORMING 3 DAY, 24 HOUR ROLLING AVERAGE CALCULATIONS AS DETAILED IN 40 CFR 63.1510(T) AND THE OM&M PLAN.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
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 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2017

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

Item 70.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00005 Emission Point: 00008
Process: 500 Emission Source: BAG05

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

Item 70.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
For each new or existing emission unit using a bag leak

detections system, the following requirements apply:

- A bag leak detection system must be installed and operated for each exhaust stack of a fabric filter
- Each triboelectric bag leak detection system must be installed, calibrated, operated, and maintained according to the "Fabric Filter Bag Leak Detection Guidance" (Sept. 1997), which is available from EPA's website. Other bag leak detection systems must be installed, operated, calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations.
- The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 mg/actual cubic meter (0.0044 grains/actual cubic foot) or less.
- The bag leak detection system sensor must provide output of relative or absolute PM loadings.
- The bag leak detection system must be equipped with a device to continuously record the output signal from the sensor
- 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.
- 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
- Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.
- 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.
- Following initial adjustment of the system, the owner/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% or decreased more than 50% 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
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-6: Compliance Demonstration
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.11 (b) (5)

Item 2-6.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006
Process: 600 Emission Source: EVA01

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

Item 2-6.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Conduct quarterly sampling on the influent wastewater prior to processing through the wastewater evaporator. The sampling shall be representative of the wastewater generated from the onsite storage of aluminum turnings which contain cutting oil solutions. The quarterly sampling shall be analyzed for TOTAL Volatile Organic Compounds (VOC) content at a State Certified Laboratory.

Monitor and record monthly the total volume of wastewater processed through the wastewater evaporator.

The Permittee shall maintain records of all sampling results and flow volumes onsite and notify the Department, within 30 days of determination, with any exceedence of actual and potential VOC emissions for the entire facility above 49.9 tons per year.

Parameter Monitored: VOC
Upper Permit Limit: 49.9 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-7: Compliance Demonstration
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 2-7.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006 Emission Point: 00009

Item 2-7.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emissions of all contaminants identified in the application are less than 1.0 lb/hr emission rate potential (ERP). Off site impacts were evaluated and found to be below Department guideline values. Therefore, no air pollution control is required. Permittee shall ensure that any changes in contaminant levels or additional contaminants are in compliance with Part 212 Table 2. Permittee must maintain MSDS sheets for all waste material processed in the evaporator to ensure continued compliance with Table 2. The Department reserves the right to request further evaluation of the specific compounds contained in the waste material based on review of the MSDS sheets.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-8: Compliance Demonstration
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 2-8.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006 Emission Point: 00009

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

Item 2-8.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Particulate emissions from the evaporator shall not exceed 0.05 grains/dscf. Compliance shall be determined by stack testing at the discretion of the Department.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA RM 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 2-9: Compliance Demonstration
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 2-9.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006 Emission Point: 00009

Item 2-9.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions when the process is in operation. If any visible emissions are identified, corrective action is required. The Department 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: UPON REQUEST BY REGULATORY AGENCY

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: **Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**
Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state only enforceable.

Condition 71: Contaminant List
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable State Requirement:ECL 19-0301

Item 71.1:
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: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

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

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

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

Condition 2-10: Malfunctions and start-up/shutdown activities
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable State Requirement:6 NYCRR 201-1.4

Item 2-10.1:
(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 72: Unavoidable noncompliance and violations
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable State Requirement:6 NYCRR 201-1.4

Item 72.1:
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 73: Emission Unit Definition
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 73.1(From Mod 2):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00006
Emission Unit Description:
THIS EMISSION UNIT CONSISTS OF A PRE-FABRICATED WASTEWATER EVAPORATOR SYSTEM THAT UTILIZES A NATURAL GAS FIRED HEAT EXCHANGER.

Building(s): PLANT #2

Item 73.2(From Mod 0):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00001
Emission Unit Description:
THIS EMISSION UNIT CONSISTS OF A NATURAL GAS FIRED ROTARY CHIP CRYER USED TO DRY OIL SOAKED MACHINE SHOP TURNINGS. THE DRYER WAS MANUFACTURED BY STEIN ATKINSON STORDY, LTD. OF WOMBORNE, WOLVERHAMPTON, ENGLAND AND HAS A REATED HEAT INPUT CAPACITY OF 13 MM BTU/HR WITH A MAXIMUM DRYING CAPACITY OF 4 TONS PER HOUR. THE ENERGY SOURCE USED TO DRY THE CHARGE IS DERIVED FROM HEAT RECOVERED FROM THE INTEGRAL AFTERBURNER. THE INTERNAL TEMPERATURE OF THE DRYING

CHAMBER IS MAINTAINED AT A MAXIMUM OF 1000 DEGREES F . THE AFTERBURNER IS USED TO CONTROL EMISSION OF VOLATILE ORGANIC COMPOUNDS AND COMBUSTIBLE PARTICUALTE MATTER AND MAINTAINS AN INTERNAL AFTERBURNER TEMPERATURE OF 1600 DEGREES F. AN INTEGRAL CYCLONE IS USED FOR COLLECTION OF LARGER SIZED PARTICLES, WHI LE A BUELL 30000 CFM LIME-INJECTED BAGHOUSE IS USED TO COLLECT SMALLER SIZED PARTICULATES DOWN TO 10 MICRON IN SIZE AND CONTROL ACID GASES.

Building(s): PLANT #2

Item 73.3(From Mod 0):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00002
Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF A SIDEWELL, REVERBERATORY (GROUP 1) FURNACE USED TO MELT ALUMINUM SCRAP. THE FURNACE MANUFACTURER WILL BE METALICO ALUMINUM RECOVERY, WHO WILL SUBCONTRACT PHYSICAL ASSEMBLY. THE FURNACE HAS RATED HEAT INPUT CAPACITY OF 28 M M BTU/HR, WITH A MAXIMUM MELT CAPACITY OF 6 TONS PER HOUR. THE HOLDING CHAMBER HAS A MOLTEN ALUMINUM CAPACITY OF 180,000 POUNDS. FOUR (4) 7 MM BTU/HR LOW NOX BURNERS SUPPLY HEAT TO THE HEARTH, IN WHICH NO FLUXING OCCURS. COMBUSTION EMISSIONS EXHAUST DI RECTLY TO THE ATMOSPHERE. CHARGING AND FLUXING (COVER FLUX ONLY) OCCUR IN THE SIDEWELL AND GENERATED EMISSIONS ARE CAPTURED IN THE HOOD SYSTEM AND DIRECTED TO A WHEELABRATOR, LIME-INJECTED BAGHOUSE RATED FOR 60000 CFM. THIS EMISSION UNIT IS CONSIDERED T O BE PART OF THE SECONDARY ALUMINUM PROCESSING UNIT (SAPU) -(A) FOR THE PURPOSE OF MACT COMPLIANCE.

Building(s): PLANT #2

Item 73.4(From Mod 0):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00003
Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF A ROTARY SMELTING (GROUP 1) FURNACE USED TO MELT ALUMINUM SCRAP MANUFACTURED BY MELT-TECH INC. THE FURNACE HAS A RATED HEAT INPUT CAPACITY OF 10 MM BTU/HR, WITH A MAXIMUM

MELT CAPACITY OF 5 TON PER HOUR. THE DRUM HAS A MOL TEN ALUMINUM CAPACITY OF 20000 POUNDS. EMISSIONS ARE CAPTURED BY A SYSTEM HOOD WHICH DIRECTS EMMISSIONS TO A WHEELABRATOR, LIME-INJECTED BAGHOUSE RATED FOR 60,000 CFM. A CYCLONE REMOVES LARGER SIZED PARTICULATES PRIOR TO THE BAGHOUSE. THIS EMISSION UNI T IS CONSIDERED TO BE PART OF THE SECONDARY ALUMINUM PROCESSING UNIT (SAPU) A FOR THE PURPOSE OF MACT COMPLIANCE.

Building(s): PLANT #2

Item 73.5(From Mod 0):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00004
Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF AN ALUMINUM SWEAT FURNACE USED TO RECOVER ALUMINUM FROM SCRAP. THE FURNACE HAS A RATED HEAT INPUT CAPACITY OF 8 MM BTU/HR, WITH A MAXIMUM MELT CAPACITY OF 1.35 TONS PER HOUR. EMISSION FROM CHARGING AND MELTING ARE DIRECTED TO A DIRECT FLAME AFTERBURNER THAT HAS A RATED HEAT INPUT CAPACITY OF 3 M BTU/HR. THIS AFTERBURNER MAINTAINS AN INTERNAL TEMPERATURE OF 1600 DEGREES F. FUGITIVE EMISSIONS FROM THE DOORS AND SLAGPANS ARE CONTROLLED USING A BAGHOUSE FILTRATION SYSTEM.

Building(s): PLANT #2

Item 73.6(From Mod 0):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00005
Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF A SIDEWELL, REVERBERATORY (GROUP 1) FURNACE USED TO MELT ALUMINUM SCRAP. THE FURNACE MANUFACTURER WILL BE METALICO ALUMINUM RECOVERY, WHO WILL SUBCONTRACT PHYSICAL ASSEMBLY. THE FURNACE HAS RATED HEAT INPUT CAPACITY OF 28 MM BTU/HR, WITH A MAXIMUM MELT CAPACITY OF 6 TONS PER HOUR. THE HOLDING CHAMBER HAS A MOLTEN ALUMINUM CAPACITY OF 180000 POUNDS. FOUR (4), 7 MM BTU/HR LOW NOX BURNERS SUPPLY HEAT TO THE HEARTH, IN WHICH NO FLUXING OCCURS. COMBUSTION EM,ISSIONS EXHAUST DIRECTLY TO THE ATMOSPHERE. CHARGING AND FLUXING

(COVER FLUX ONLY) OCCUR IN THE SIDEWELL AND GENEERATED EMISSIONS ARE CAPTURED IN THE HOOD SYSTEM AND DIRECTED TO A WHEELABRATOR, LIME-INJECTED BAGHOUSE RATED FOR 60000 CFM. THIS EMISSION UNIT IS CONSIDER ED TO BE PART OF THE SECONDARY ALUMINUM PROCESSING UNIT (SAPU) - (A) FOR THE PURPOSE OF MACT COMPLIANCE.

Building(s): PLANT #2

Condition 2-11: Renewal deadlines for state facility permits
Effective between the dates of 09/04/2014 and 04/01/2017

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

Item 2-11.1:
The owner or operator of a facility having an issued state facility permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Condition 74: Air pollution prohibited
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable State Requirement:6 NYCRR 211.2

Item 74.1:
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 2-12: Visible Emissions Limited
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable State Requirement:6 NYCRR 211.2

Item 2-12.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 2-13: Compliance Demonstration
Effective between the dates of 09/04/2014 and 04/01/2017

Applicable State Requirement:6 NYCRR 211.2

Item 2-13.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 2-13.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Except as permitted by a specific part of Title 6 of the NYCRR and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Reference Test Method: Reference Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 75: Emission Point Definition By Emission Unit
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 75.1(From Mod 2):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00006

Emission Point: 00009
Height (ft.): 26 Diameter (in.): 10
NYTMN (km.): 4769.535 NYTME (km.): 410.893 Building: PLANT #2

Item 75.2(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00001

Emission Point: 00001
Height (ft.): 31 Diameter (in.): 36
NYTMN (km.): 4769.466 NYTME (km.): 410.885 Building: PLANT #2

Item 75.3(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00002

Emission Point: 00002
Height (ft.): 50 Diameter (in.): 48
NYTMN (km.): 4769.468 NYTME (km.): 410.905 Building: PLANT #2

Emission Point: 00003
Height (ft.): 50 Length (in.): 48 Width (in.): 33
NYTMN (km.): 4769.575 NYTME (km.): 410.881 Building: PLANT #2

Item 75.4(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00003

Emission Point: 00004
Height (ft.): 40 Diameter (in.): 48
NYTMN (km.): 4769.487 NYTME (km.): 410.908 Building: PLANT #2

Item 75.5(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00004

Emission Point: 00005
Height (ft.): 40 Diameter (in.): 36
NYTMN (km.): 4769.578 NYTME (km.): 410.89 Building: PLANT #2

Emission Point: 00006
Height (ft.): 40 Diameter (in.): 36
NYTMN (km.): 4769.58 NYTME (km.): 410.875 Building: PLANT #2

Item 75.6(From Mod 0):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00005

Emission Point: 00007
Height (ft.): 50 Diameter (in.): 48
NYTMN (km.): 4769.496 NYTME (km.): 410.9 Building: PLANT #2

Emission Point: 00008
Height (ft.): 50 Length (in.): 48 Width (in.): 33
NYTMN (km.): 4769.568 NYTME (km.): 410.872 Building: PLANT #2

Condition 76: Process Definition By Emission Unit
Effective between the dates of 04/02/2007 and 04/01/2017

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 76.1(From Mod 2):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00006
Process: 600 Source Classification Code: 3-04-001-99
Process Description:
This process involves the evaporation of wastewater generated from the onsite storage of aluminum turnings which contain cutting oil solutions. The wastewater from the turnings is collected and transferred to a 250-gallon decant tank. The wastewater is then transferred from the tank through the evaporator system at a design rate of 63 gallons per hour. The wastewater is heated by an 830,000 BTU/HR natural gas fired heat exchanger. Emissions include natural gas combustion emissions and VOC emissions from the evaporation of the cutting oil solutions.

Emission Source/Control: EVA01 - Process
Design Capacity: 63 gallons per hour

Item 76.2(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: 100
Process Description:
THIS PROCESS INVOLVES PLACING OIL BEARING MACHINE SHOP TURNINGS (UNCOATED) INTO THE ROTARY CHIP DRYER FOR THE PURPOSE OF EVAPORATING AND BURNING THE FLUID, PRODUCING A CLEAN ALUMINUM SCRAP MATERIAL. EMISSIONS RESULT FROM THE PRODUCTS OF COMBUSTION (NATUR RAL GAS) AS WELL AS FROM THE EVAPORATION AND BURNING OF THE OIL FROM THE TURNINGS. EMISSIONS ARE CONTROLLED BY A DIRECT FLAME AFTERBURNER AND LIME INJECTED BAGHOUSE.

Emission Source/Control: 0AB01 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BAG01 - Control
Control Type: FABRIC FILTER

Emission Source/Control: CYC01 - Control
Control Type: CENTRIFUGAL

Emission Source/Control: LM101 - Control
Control Type: DRY LIME INJECTION

Emission Source/Control: DRY01 - Process
Design Capacity: 4 tons per hour

Item 76.3(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00002
Process: 200
Process Description:
THIS PROCESS INVOLVES PLACING ALUMINUM SCRAP INTO THE REVERBERATORY FURNACE SIDEWELL., THE CHARGES ARE 50% CLEAN, DRY TURNINGS, 25% PAINTING SIDINGS (2%-3% COMBUSTIBLES) AND 25% CLIP SOLIDS (1% COMBUSTIBLES). COVER FLUXING OCCURS IN THE SIDEWELL ONLY AT A RATE OF APPROXIMATELY 5% OF THE CHARGE WEIGHT. EMISSIONS RESULT FROM CHARGING, FLUXING, AND NATURAL GAS COMBUSTION. CHARGING AND FLUXING EMISSIONS ARE CONTROLLED BY A LIME INJECTED BAGHOUSES.

Emission Source/Control: BAG02 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BUR01 - Control
Control Type: LOW NOx BURNER

Emission Source/Control: LM102 - Control
Control Type: DRY LIME INJECTION

Emission Source/Control: REV01 - Process
Design Capacity: 6 tons per hour

Item 76.4(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00003
Process: 300
Process Description:
THIS PROCESS INVOLVES PLACING ALUMINUM SCRAP INTO THE ROTARY MELTING FURNACE FOR THE PURPOSE OF ALUMINUM RECOVERY. EMISSIONS RESULT FROM NATURAL GAS COMBUSTION, CHARGING AND FLUXING. EMISSIONS ARE CONTROLLED BY A CYCLONE AND LIME INJECTED BAGHOUSE.

Emission Source/Control: BAG03 - Control
Control Type: FABRIC FILTER

Emission Source/Control: CYC02 - Control
Control Type: CENTRIFUGAL

Emission Source/Control: LM103 - Control
Control Type: DRY LIME INJECTION

Emission Source/Control: RTF01 - Process
Design Capacity: 5 tons per hour

Item 76.5(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00004
Process: 400
Process Description:
THIS PROCESS INVOLVES PLACING ALUMINUM SCRAP (INCLUDING IRON BEARING) INTO THE SWEAT FURNACE FOR THE RECOVERY OF ALUMINUM. EMISSIONS RESULT FROM CHARGING AND COMBUSTION. EMISSIONS ARE CONTROLLED BY A DIRECT FLAME AND A SLAGPAN BAGHOUSE SYSTEM.

Emission Source/Control: 0AB02 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BAG04 - Control
Control Type: FABRIC FILTER

Emission Source/Control: SWF01 - Process
Design Capacity: 1.35 tons per hour

Item 76.6(From Mod 0):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00005
Process: 500
Process Description:
THIS PROCESS INVOLVES PLACING ALUMINUM SCRAP INTO THE REVERBERATORY FURNACE SIDEWELL. THE CHARGES ARE 50% CLEAN, DRY TURNINGS, 25% PAINTING SIDINGS (2%-3% COMBUSTIBLES) AND 25% CLIP SOLIDS (1% COMBUSTIBLES). COVER FLUXING OCCURS IN THE SIDEWELL ONLY AT A RATE OF APPROXIMATELY 5% OF THE CHARGE WEIGHT. EMISSIONS RESULT FROM CHARGING, FLUXING, AND NATURAL GAS COMBUSTION. CHARGING AND FLUXING EMISSIONS ARE CONTROLLED BY A LIME INJECTED BAGHOUSE.

Emission Source/Control: BAG05 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BUR02 - Control
Control Type: LOW NOx BURNER

Emission Source/Control: LM104 - Control

Control Type: DRY LIME INJECTION

Emission Source/Control: REV02 - Process
Design Capacity: 6 tons per hour

Condition 2-14: Compliance Demonstration
Effective between the dates of 09/04/2014 and 04/01/2017

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

Item 2-14.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00006
Process: 600 Emission Source: EVA01

Item 2-14.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Maintain onsite MSDS sheets for all waste material processed through the evaporator system including the cutting oil solutions used at the facilities supplying the aluminum turnings. The Permittee shall track Total VOC emissions and notify the Department, within 30 days of determination, any exceedence of actual and potential VOC emissions for the entire facility above 49.9 tons per year. The Department reserves the right to request further evaluation of the specific compounds contained in the waste material based on review of the MSDS sheets.

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