

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 6405800003**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 6-4058-00003/00374  
Effective Date: 07/24/2006                      Expiration Date: No expiration date

Permit Issued To: ALCOA INC  
201 ISABELLA ST  
PITTSBURGH, PA 15212-5858

Facility: ALCOA MASSENA OPERATIONS (WEST PLANT)  
PARK AVE EAST  
MASSENA, NY 13662

Contact: DENNIS KRAUSE  
ALCOA INC  
PO BOX 150  
MASSENA, NY 13662-0150  
(315) 764-4642

**Description:**

THIS PROJECT SEEKS TO MODIFY TWO EXISTING SOURCES IN THE M00002 EMISSION UNIT. THE FIRST SOURCE IS AN INLINE-DEGASSER AT THE CONTINUOUS CASTER (M0036). AN EXISTING ALCOA 622 IN-LINE DEGASSER WILL BE REPLACED WITH A NEW ALCOA 622 IN-LINE DEGASSER OF AN INERTED DESIGN. THE SOURCE WILL BE CONSIDERED NEW UNDER THE SECONDARY ALUMINUM MACT REGULATION AND WILL BECOME A "NEW" SAPU. THE SECOND PART OF THIS PROJECT SEEKS TO MODIFY EXISTING SOURCE M003E. THIS SOURCE REPRESENTS THE IN-LINE FILTERBOX UNITS ON 14- CASTING COMPLEX. IN THIS COMPLEX, TWO SEPARATE IN-LINE DEGASSERS TREAT METAL FROM 14-FURNACE AND 15 FURNACE RESPECTIVELY. THIS PROJECT SEEKS TO MODIFY THE DEGASSER SERVICING 14-FURNACE ONLY. THE MODIFICATION CONSISTS OF THE INSTALLATION OF AN INERTED TYPE LID ON THE EXISTING DEGASSER. THE NEW LID WILL ALLOW A THIRD ROTOR TO BE INSTALLED THAT WILL USE ARGON ONLY. THE ADDITIONAL ROTOR WILL HELP TO REMOVE IMPURITIES SUCH AS HYDROGEN FROM THE MOLTEN METAL. THE MODIFICATION ALSO INCLUDES THE INSTALLATION OF SOME NEW BAFFLES THAT WILL HELP TO SEAL-UP THE DEGASSING BOX AND ASSIST WITH THE SELF-INERTING PROCESS. A SIGNIFICANT REDUCTION IN EMISSIONS OF HCI AND PM ARE EXPECTED FROM THE INERTING OF THESE UNITS. ALCOA IS REVIEWING THE POSSIBILITY OF COMPLETELY REMOVING THE EXHAUST STACKS ON BOTH OF THESE UNITS. IF THE STACKS WERE REMOVED, A TEMPORARY EXHAUST STACK WOULD BE CONSTRUCTED TO ALLOW EMISSION TESTING TO OCCUR INSIDE THE INGOT BUILDING. AT 14 COMPLEX, 15-FURNACE WILL STILL OPERATE A NON-INERTED DEGASSER THAT WILL REMAIN IN USE AS IT IS TODAY WITH AN

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EXHAUST STACK DISCHARGING TO THE ATMOSPHERE. THE STACK FOR THE MODIFIED DEGASSER SERVICING 14-FURNACE MAY END UP DISCHARGING DIRECTLY INTO THE MILL. BOTH MODIFIED DEGASSERS WILL USE ELECTRIC HEATING ELEMENTS RATHER THAN THE NATURAL GAS HEATERS CURRENTLY IN USE. ATTACHED EMISSION CALCULATIONS DEMONSTRATE A SIGNIFICANT EMISSION REDUCTION WITH THE MODIFIED UNITS. EMISSION TESTING OF THE MODIFIED SOURCES WILL BE COMPLETED AS NECESSARY.

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:            LAWRENCE R AMBEAU  
  DIVISION OF ENVIRONMENTAL PERMITS  
  STATE OFFICE BLDG, 317 WASHINGTON ST  
  WATERTOWN, NY 13601

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 6  
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 and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**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

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transfer of ownership.

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

**Item 4.1:**

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

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 6 Headquarters  
Division of Environmental Permits  
State Office Building, 317 Washington Street  
Watertown, NY 13601-3787  
(315) 785-2245



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

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: ALCOA INC  
201 ISABELLA ST  
PITTSBURGH, PA 15212-5858

Facility: ALCOA MASSENA OPERATIONS (WEST PLANT)  
PARK AVE EAST  
MASSENA, NY 13662

Authorized Activity By Standard Industrial Classification Code:  
3334 - PRIMARY ALUMINUM  
3354 - ALUMINUM EXTRUDED PRODUCTS  
3355 - ALUMINUM ROLLING & DRAWING NEC

Permit Effective Date: 07/24/2006

Permit Expiration Date: No expiration date.



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 40CFR 63.1505(k)(1), Subpart RRR: SAPU PM Emission Limit Calculation
- 2 40CFR 63.1506(b), Subpart RRR: Compliance Demonstration
- 3 40CFR 63.1510(b), Subpart RRR: Monitoring and Compliance Requirements  
- OM&M Plan
- 4 40CFR 63.1510(s), Subpart RRR: Site-specific requirements for  
secondary aluminum processing units
- 5 40CFR 63.1515, Subpart RRR: Secondary Aluminum Notifications
- 6 40CFR 63.1516, Subpart RRR: Secondary Aluminum MACT Reports
- 7 40CFR 63.1517, Subpart RRR: Secondary Aluminum MACT Recordkeeping

**Emission Unit Level**

**EU=M-000A2,Proc=FBI,ES=M0036**

- 8 40CFR 63, Subpart RRR: Compliance Demonstration
- 11 40CFR 63.1501(b), Subpart RRR: Compliance dates for  
new/reconstructed sources
- 12 40CFR 63.1505(j)(1), Subpart RRR: In-line Fluxer HCl Emission Standards
- 13 40CFR 63.1505(j)(2), Subpart RRR: In-line Fluxer PM Emission Standards
- 14 40CFR 63.1505(k)(2), Subpart RRR: SAPU HCl Emission Calculation
- 15 40CFR 63.1505(k)(4), Subpart RRR: SAPU emission limits for  
individual emission units
- 16 40CFR 63.1510(c), Subpart RRR: Compliance Demonstration
- 17 40CFR 63.1510(e), Subpart RRR: Compliance Demonstration
- 18 40CFR 63.1510(j)(1), Subpart RRR: Compliance Demonstration
- 19 40CFR 63.1510(t), Subpart RRR: Calculation of Secondary Aluminum  
Processing Unit Emissions
- 20 40CFR 63.1510(u), Subpart RRR: Secondary aluminum processing unit  
compliance by individual emission unit demonstration
- 9 40CFR 63.1512(h)(1), Subpart RRR: Compliance Demonstration
- 10 40CFR 63.1512(h)(2), Subpart RRR: Compliance Demonstration
- 21 40CFR 63.1512(j), Subpart RRR: Compliance Demonstration
- 22 40CFR 63.1512(k), Subpart RRR: Performance Test/Compliance  
Demonstration Requirements and Procedures - Feed/Charge Weight  
Measurement.
- 23 40CFR 63.1512(o), Subpart RRR: Flux Injection Rate compliance  
demonstration requirements
- 24 40CFR 63.1512(r), Subpart RRR: Compliance Demonstration

**EU=M-000A2,Proc=FBI,ES=M003E**

- 27 40CFR 63.1505(j)(1), Subpart RRR: In-line Fluxer HCl Emission Standards
- 28 40CFR 63.1505(j)(2), Subpart RRR: In-line Fluxer PM Emission Standards
- 29 40CFR 63.1510(c), Subpart RRR: Compliance Demonstration



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- 30 40CFR 63.1510(e), Subpart RRR: Compliance Demonstration
- 31 40CFR 63.1510(j)(1), Subpart RRR: Compliance Demonstration
- 25 40CFR 63.1512(h)(1), Subpart RRR: Compliance Demonstration
- 26 40CFR 63.1512(h)(2), Subpart RRR: Compliance Demonstration
- 32 40CFR 63.1512(k), Subpart RRR: Performance Test/Compliance  
Demonstration Requirements and Procedures - Feed/Charge Weight  
Measurement.
- 33 40CFR 63.1512(o), Subpart RRR: Flux Injection Rate compliance  
demonstration requirements
- 34 40CFR 63.1512(r), Subpart RRR: Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 35 ECL 19-0301: Contaminant List
- 36 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 37 6NYCRR 201-5: Emission Unit Definition
- 38 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

- 39 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 40 6NYCRR 201-5: Process Definition By Emission Unit



**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 - 6NYCRR Part 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 - 6NYCRR Part 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 - 6NYCRR Part 200.7**

Any person who owns or operates an air contamination

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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 - 6NYCRR Part 201-1.2**

If an existing emission source was subject to the permitting requirements of 6NYCRR 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 - 6NYCRR Part 201-1.5**

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event



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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 - 6NYCRR Part 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 - 6NYCRR Part 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 Part 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 Part 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



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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 Part 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 6NYCRR Part 202-1.

**Item K: Visible Emissions Limited - 6 NYCRR Part 211.3**

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.

**Item L: Open Fires - 6 NYCRR Part 215**

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

**Item M: 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



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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 N: 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: SAPU PM Emission Limit Calculation  
Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 1.1:**

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

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

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

**Condition 2: Compliance Demonstration  
Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 2.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 2.2:**

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 dryer/delacquering kiln/decoating kiln that identifies the applicable emission limits and means of compliance, including:

(1) The type of affected source or emission unit (e.g., scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace, in-line fluxer).

(2) The applicable operational standard(s) and control method(s) (work practice or control device). This includes, but is not limited to, the type of charge to be used for a furnace (e.g., clean scrap only, all scrap, etc.), flux materials and addition practices, and the applicable operating parameter ranges and requirements as incorporated in the OM&M plan.

The owner or operator must inspect the labels for each group 1 furnace, group 2 furnace, in-line fluxer and scrap dryer/delacquering kiln/decoating kiln at least once per calendar month to confirm that posted labels are intact and legible.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2007.

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

**Condition 3: Monitoring and Compliance Requirements - OM&M Plan  
Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 3.1:**

The owner or operator must prepare and implement for each new or existing affected source and emission unit, a written operation, maintenance, and monitoring (OM&M) plan. The owner or operator must submit the plan to NYSDEC for review and approval as part of the application for a part 70 or part 71 permit. Any subsequent changes to the plan must be submitted to the NYSDEC for review and approval. Pending approval by the NYSDEC of an initial or amended plan, the owner or operator must comply with the provisions of the submitted plan. The plan must be accompanied by a written certification by the owner or operator that the OM&M Plan satisfies all requirements of this section and is otherwise consistent with the requirements of this subpart. The owner or operator must comply with all the provisions of the OM&M Plan as submitted to the NYSDEC, unless and until the plan is revised in accordance with the following procedures. If the NYSDEC determines at any time after receipt of the OM&M Plan that any revisions of the plan are necessary to satisfy the requirements of this section or this subpart, the owner or operator must promptly make all necessary revisions and resubmit the revised plan. If the owner or operator determines that any other revisions of the OM&M Plan are necessary, such revisions will not become effective until the owner or operator submits a description of the changes and a revised plan incorporating them to the NYSDEC. Each plan must contain the following information:

- (1) Process and control device parameters to be monitored to determine compliance, along with established operating levels or ranges, as applicable, for each process and control device.
- (2) A monitoring schedule for each affected source and emission unit.
- (3) Procedures for the proper operation and maintenance of each process unit and add-on control device used to meet the applicable emission limits or standards in 40 CFR Part 63.1505.
- (4) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:
  - (i) Calibration and certification of accuracy of each monitoring device, at least once every 6 months, according to the manufacturer's instructions; and
  - (ii) Procedures for the quality control and quality assurance of continuous emission or opacity monitoring systems as required by the general provisions in 40 CFR Part 63 Subpart A.
- (5) Procedures for monitoring process and control device parameters, including procedures for annual inspections of afterburners, and if applicable, the procedure to be used for determining charge/feed (or throughput) weight if a measurement device is not used.
- (6) Corrective actions to be taken when process or operating parameters or add-on control device parameters deviate from the value or range established in paragraph (b)(1) of 40 CFR §63.1510, including:
  - (i) Procedures to determine and record the cause of an deviation or excursion, and the time the deviation or excursion began and ended; and



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(ii) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time/date corrective action was completed.

(7) A maintenance schedule for each process and control device that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.

(8) Documentation of the work practice and pollution prevention measures used to achieve compliance with the applicable emission limits and a site-specific monitoring plan as required in 40 CFR §63.1510(o) for each group 1 furnace not equipped with an add-on air pollution control device.

**Condition 4: Site-specific requirements for secondary aluminum processing units  
Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 4.1:**

(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.



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(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 5: Secondary Aluminum Notifications**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1515, Subpart RRR**

**Item 5.1:**

(1) As required by 40 CFR §63.9(b)(1), the owner or operator must provide notification for an area source that subsequently increases its emissions such that the source is a major source subject to the standard.

(2) As required by §63.9(b)(5), an owner or operator who intends to construct a new affected source or reconstruct an affected source subject to this subpart, or reconstruct a source such that it becomes an affected source subject to this subpart, must provide notification of the intended construction or reconstruction. The notification must include all the information required for an application for approval of construction or reconstruction as required by §63.5(d). For major sources, the application for approval of construction or reconstruction may be used to fulfill these requirements.

(3) As required by §63.9(e) and (f), the owner or operator must provide notification of the anticipated date for conducting performance tests and visible emission observations. The owner or operator must notify the Administrator of the intent to conduct a performance test at least 60 days before the performance test is scheduled; notification of opacity or visible emission observations for a performance test must be provided at least 30 days before the observations are scheduled to take place.

(4) Each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501. The notification must be signed by the responsible official who must certify its accuracy. A complete notification of compliance status report must include the information specified in paragraphs (b)(1) through (b)(10) of 40CFR §63.1515. The required information may be submitted in an operating permit application, in an amendment to an operating permit application, in a separate submittal, or in any combination. If an owner or operator submits the information specified in this section at different times or in different submittals, later submittals may refer to earlier submittals instead of duplicating and resubmitting the information previously submitted.

**Condition 6: Secondary Aluminum MACT Reports**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1516, Subpart RRR**

**Item 6.1:**

**Startup, shutdown, and malfunction plan/reports:** The owner or operator must develop and implement a written plan as described in 40 CFR §63.6(e)(3) that contains specific procedures to be followed for operating and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to



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comply with the standard. The owner or operator shall also keep records of each event as required by §63.10(b) and record and report if an action taken during a startup, shutdown, or malfunction is not consistent with the procedures in the plan as described in §63.6(e)(3). In addition to the information required in §63.6(e)(3), the plan must include:

(1) Procedures to determine and record the cause of the malfunction and the time the malfunction began and ended; and

(2) Corrective actions to be taken in the event of a malfunction of a process or control device, including procedures for recording the actions taken to correct the malfunction or minimize emissions.

**Item 6.2:**

**Excess emissions/summary report.** As required by §63.10(e)(3), the owner or operator must submit semiannual reports within 60 days after the end of each 6-month period. Each report must contain the information specified in §63.10(c). When no deviations of parameters have occurred, the owner or operator must submit a report stating that no excess emissions occurred during the reporting period. A report must be submitted if any of the conditions listed in 40 CFR §63.1516(b)(1) occur during a 6-month reporting period.

The owner or operator must submit the results of any performance test conducted during the reporting period, including one complete report documenting test methods and procedures, process operation, and monitoring parameter ranges or values for each test method used for a particular type of emission point tested.

**Item 6.3:**

**Annual compliance certifications:** For the purpose of annual certifications of compliance required by 40 CFR part 70 or 71, the owner or operator must certify continuing compliance based upon, but not limited to, the following conditions:

(1) Any period of excess emissions, as defined in paragraph (b)(1) of this section, that occurred during the year were reported as required by this subpart; and

(2) All monitoring, recordkeeping, and reporting requirements were met during the year.

**Condition 7: Secondary Aluminum MACT Recordkeeping**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1517, Subpart RRR**

**Item 7.1:**

(a) As required by §63.10(b), the owner or operator shall maintain files of all information (including all reports and notifications) required by the general provisions (40 CFR 63 Subpart A) and 40 CFR 63 Subpart RRR.

(1) The owner or operator must retain each record for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The most recent 2 years of records must be retained at the facility. The remaining 3 years of records may be retained off site.

(2) The owner or operator may retain records on microfilm, computer disks, magnetic tape, or microfiche; and

(3) The owner or operator may report required information on paper or on a labeled computer disk using commonly available and EPA-compatible computer software.



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(b) In addition to the general records required by §63.10(b), the owner or operator of a new or existing affected source (including an emission unit in a secondary aluminum processing unit) must maintain additional records listed in 40 CFR §63.1517(b)(1) through (b)(17) as applicable.

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

**Condition 8: Compliance Demonstration**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63, Subpart RRR**

**Item 8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M0036

**Item 8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The new inerted filter box will be considered a new Secondary Aluminum Production Unit (SAPU) when it is installed. The unit will be treated accordingly under this regulation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 11: Compliance dates for new/reconstructed sources**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1501(b), Subpart RRR**

**Item 11.1:**

This Condition applies to Emission Unit: M-000A2

Process: FBI

Emission Source: M0036

**Item 11.2:**

Each new affected source that commences construction or reconstruction after February 11, 1999 must comply with the requirements of 40CFR63, Subpart RRR by March 23, 2000 or upon startup, whichever is later.

**Condition 12: In-line Fluxer HCl Emission Standards**



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**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 12.1:**

This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

**Item 12.2:**

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

Hydrogen Chloride (HCl) emission limit = 0.02 kg of HCl per Mg (0.04 lb of HCl per ton) of feed/charge.

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

**Condition 13: In-line Fluxer PM Emission Standards**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 13.1:**

This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

**Item 13.2:**

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

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

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

**Condition 14: SAPU HCl Emission Calculation**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 14.1:**



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This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

**Item 14.2:**

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

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

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

**Condition 15: SAPU emission limits for individual emission units**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1505(k)(4), Subpart RRR**

**Item 15.1:**

This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

**Item 15.2:**

The owner/operator of a secondary aluminum processing unit (SAPU) at a secondary aluminum production facility that is a major source may demonstrate compliance with the emission limits of §63.1505(k)(1)-(3) by demonstrating that each emission unit with the SAPU is in compliance with the applicable emission limits of §63.1505(i) and 1505(j).

**Condition 16: Compliance Demonstration**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 16.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

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The owner or operator must inspect the labels for each group 1 furnace, group 2 furnace, in-line fluxer and scrap dryer/delacquering kiln/decoating kiln at least once per calendar month to confirm that posted labels as required by the operational standard in 40 CFR Part 63.1506(b) are intact and legible.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2007.

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

**Condition 17: Compliance Demonstration**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 17.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M0036

**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected source or emission unit subject to an emission limit in kg/Mg (lb/ton) or  $\mu\text{g/Mg}$  (gr/ton) of feed/charge must install, calibrate, operate, and maintain a device to measure and record the total weight of feed/charge to, or the aluminum production from, the affected source or emission unit over the same operating cycle or time period used in the performance test. Feed/charge or aluminum production within SAPUs must be measured and recorded on an emission unit-by-emission unit basis. As an alternative to a measurement device, the owner or operator may use a procedure acceptable to the applicable permitting authority to determine the total weight of feed/charge or aluminum production to the affected source or emission unit.

(1) The accuracy of the weight measurement device or procedure must be  $\pm 1$  percent of the weight being measured. The owner or operator may apply to the permitting agency



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for approval to use a device of alternative accuracy if the required accuracy cannot be achieved as a result of equipment layout or charging practices. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standard.

(2) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2007.

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

**Condition 18: Compliance Demonstration**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1510(j)(1), Subpart RRR**

**Item 18.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M0036

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 18.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

These requirements apply to the owner or operator of a group 1 furnace (with or without add-on air pollution control devices) or in-line fluxer. The owner or operator must:

(1) Install, calibrate, operate, and maintain a device to continuously measure and record the weight of

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gaseous or liquid reactive flux injected to each affected source or emission unit.

(i) The monitoring system must record the weight for each 15-minute block period, during which reactive fluxing occurs, over the same operating cycle or time period used in the performance test.

(ii) The accuracy of the weight measurement device must be  $\pm 1$  percent of the weight of the reactive component of the flux being measured. The owner or operator may apply to the permitting authority for permission to use a weight measurement device of alternative accuracy in cases where the reactive flux flow rates are so low as to make the use of a weight measurement device of  $\pm 1$  percent impracticable. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standards.

(iii) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

Monitoring Frequency: SEMI-ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 3/1/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 19: Calculation of Secondary Aluminum Processing Unit Emissions**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 19.1:**

This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

**Item 19.2:**

Except as provided in paragraph 40 CFR Part 63.1510(u), the owner or operator must calculate and record the 3-day, 24-hour rolling average emissions of PM, HCl, and D/F as applicable for each secondary aluminum processing unit on a daily basis. To calculate the 3-day, 24-hour rolling average, the

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owner or operator must:

(1) Calculate and record the total weight of material charged to each emission unit in the secondary aluminum processing unit for each 24-hour day of operation using the feed/charge weight information required in paragraph (e) of this section. If the owner or operator chooses to comply on the basis of weight of aluminum produced by the emission unit, rather than weight of material charged to the emission unit, all performance test emissions results and all calculations must be conducted on the aluminum production weight basis.

(2) Multiply the total feed/charge weight to the emission unit, or the weight of aluminum produced by the emission unit, for each emission unit for the 24-hour period by the emission rate (in lb/ton of feed/charge) for that emission unit (as determined during the performance test) to provide emissions for each emission unit for the 24-hour period, in pounds.

(3) Divide the total emissions for each SAPU for the 24-hour period by the total material charged to the SAPU, or the weight of aluminum produced by the SAPU over the 24-hour period to provide the daily emission rate for the SAPU.

(4) Compute the 24-hour daily emission rate using the equation below:

$$E_{day} = \frac{\sum_{i=1}^n (T_i \times ER_i)}{\sum_{i=1}^n T_i}$$

Where,

$E_{day}$  = The daily PM, HCl, and/or D/F emission rate for the secondary aluminum processing unit for the 24-hour period;

$T_i$  = The total amount of feed, or aluminum produced, for emission unit  $i$  for the 24-hour period (tons);

$ER_i$  = The measured emission rate for emission unit  $i$  as determined in the performance test (lb/ton or  $\mu\text{g}/\text{Mg}$  of feed/charge); and

$n$  = The number of emission units in the secondary aluminum processing unit.

(5) Calculate and record the 3-day, 24-hour rolling average of PM each day by summing the daily emission rates for each pollutant over the 3 most recent consecutive days and dividing by 3.

**Condition 20: Secondary aluminum processing unit compliance by individual emission unit demonstration**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 20.1:**



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This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

**Item 20.2:**

As an alternative to the procedures in §63.1510(t), an owner/operator may demonstrate through performance tests, that each individual emission unit within the secondary aluminum production unit is in compliance with the applicable emission limits for the emission unit.

**Condition 9: Compliance Demonstration**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1512(h)(1), Subpart RRR**

**Item 9.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

Regulated Contaminant(s):  
CAS No: 007647-01-0 HYDROGEN CHLORIDE  
CAS No: 0NY075-00-0 PARTICULATES

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an in-line fluxer that uses reactive flux materials must conduct a performance test to measure emissions of HCl and PM or otherwise demonstrate compliance in accordance with paragraph (h)(2) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 10: Compliance Demonstration**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1512(h)(2), Subpart RRR**

**Item 10.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2



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Process: FBI

Emission Source: M0036

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

CAS No: 0NY075-00-0 PARTICULATES

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator may choose to limit the rate which reactive flux is added to an in-line fluxer and assume, for the purposes of demonstrating compliance with the SAPU emission limit, that all chlorine in the reactive flux added to the in-line fluxer is emitted as HCl. Under these circumstances, the owner or operator is not required to conduct an emission test for HCl. If the owner or operator of any in-line flux box which has no ventilation duct work manifolded to any outlet or emission control device chooses to demonstrate compliance with the emission limit for HCl by limiting use of reactive chlorine flux and assuming all chlorine in the flux is emitted as HCl, compliance with the HCl limit shall also constitute compliance with the emission limit for PM, and no separate emission test PM is required. In this case, the owner or operator of the unvented in-line flux box must utilize the the maximum permissible PM emissions rate for the in-line flux boxes when determining the total emissions for any SAPU which includes the flux box.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 21: Compliance Demonstration**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 21.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M0036

Regulated Contaminant(s):

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CAS No: 0NY100-00-0 HAP

**Item 21.2:**

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 22: Performance Test/Compliance Demonstration Requirements and Procedures - Feed/Charge Weight Measurement.**



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

**Item 22.1:**

This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

**Item 22.2:**

Feed/charge weight measurement. During the emission test(s) conducted to determine compliance with emission limits in a kg/Mg (lb/ton) format, the owner or operator of an affected source or emission unit, subject to an emission limit in a kg/Mg (lb/ton) of feed/charge format, must measure (or otherwise determine) and record the total weight of feed/charge to the affected source or emission unit for each of the three test runs and calculate and record the total weight. An owner or operator that chooses to demonstrate compliance on the basis of the aluminum production weight must measure the weight of aluminum produced by the emission unit or affected source instead of the feed/charge weight.

**Condition 23: Flux Injection Rate compliance demonstration requirements**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 23.1:**

This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M0036

**Item 23.2:**

Flux injection rate. The owner or operator must use these procedures to establish an operating parameter value or range for the total reactive chlorine flux injection rate.

(1) Continuously measure and record the weight of gaseous or liquid reactive flux injected for each 15 minute period during the HCl and D/F tests, determine and record the 15-minute block average weights, and calculate and record the total weight of the gaseous or liquid reactive flux for the 3 test runs;

(2) Record the identity, composition, and total weight of each addition of solid reactive flux for the 3 test runs;

(3) Determine the total reactive chlorine flux injection rate by adding the recorded measurement of the total weight of chlorine in the gaseous or liquid reactive flux injected and the total weight of chlorine in the solid reactive flux using Equation 5:

$$Wt = F1W1 + F2W2$$

Where,

Wt = Total chlorine usage, by weight;

F1 = Fraction of gaseous or liquid flux that is chlorine;

W1 = Weight of reactive flux gas injected;

F2 = Fraction of solid reactive chloride flux that is chlorine (e.g., F = 0.75 for magnesium chloride; and



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W2 = Weight of solid reactive flux;

(4) Divide the weight of total chlorine usage (Wt) for the 3 test runs by the recorded measurement of the total weight of feed for the 3 test runs; and

(5) If a solid reactive flux other than magnesium chloride is used, the owner or operator must derive the appropriate proportion factor subject to approval by the applicable permitting authority.

**Condition 24: Compliance Demonstration**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 24.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M0036

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 24.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of each scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace, and in-line fluxer must submit the information described in §63.1515(b)(3) as part of the notification of compliance status report to document conformance with the labeling standards listed in §63.1506(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 27: In-line Fluxer HCl Emission Standards**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 27.1:**

This Condition applies to Emission Unit: M-000A2

Process: FBI

Emission Source: M003E

**Item 27.2:**



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

Hydrogen Chloride (HCl) emission limit = 0.02 kg of HCl per Mg (0.04 lb of HCl per ton) of feed/charge.

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

**Condition 28: In-line Fluxer PM Emission Standards**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 28.1:**

This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M003E

**Item 28.2:**

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

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

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

**Condition 29: Compliance Demonstration**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 29.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2  
Process: FBI Emission Source: M003E

**Item 29.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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**Monitoring Description:**

The owner or operator must inspect the labels for each group 1 furnace, group 2 furnace, in-line fluxer and scrap dryer/delacquering kiln/decoating kiln at least once per calendar month to confirm that posted labels as required by the operational standard in 40 CFR Part 63.1506(b) are intact and legible.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2007.

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

**Condition 30: Compliance Demonstration**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 30.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M003E

**Item 30.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected source or emission unit subject to an emission limit in kg/Mg (lb/ton) or  $\mu\text{g/Mg}$  (gr/ton) of feed/charge must install, calibrate, operate, and maintain a device to measure and record the total weight of feed/charge to, or the aluminum production from, the affected source or emission unit over the same operating cycle or time period used in the performance test. Feed/charge or aluminum production within SAPUs must be measured and recorded on an emission unit-by-emission unit basis. As an alternative to a measurement device, the owner or operator may use a procedure acceptable to the applicable permitting authority to determine the total weight of feed/charge or aluminum production to the affected source or emission unit.

(1) The accuracy of the weight measurement device or procedure must be  $\pm 1$  percent of the weight being measured.



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The owner or operator may apply to the permitting agency for approval to use a device of alternative accuracy if the required accuracy cannot be achieved as a result of equipment layout or charging practices. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standard.

(2) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2007.

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

**Condition 31: Compliance Demonstration**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1510(j)(1), Subpart RRR**

**Item 31.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M003E

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 31.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

These requirements apply to the owner or operator of a group 1 furnace (with or without add-on air pollution control devices) or in-line fluxer. The owner or operator must:

(1) Install, calibrate, operate, and maintain a

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device to continuously measure and record the weight of gaseous or liquid reactive flux injected to each affected source or emission unit.

(i) The monitoring system must record the weight for each 15-minute block period, during which reactive fluxing occurs, over the same operating cycle or time period used in the performance test.

(ii) The accuracy of the weight measurement device must be  $\pm 1$  percent of the weight of the reactive component of the flux being measured. The owner or operator may apply to the permitting authority for permission to use a weight measurement device of alternative accuracy in cases where the reactive flux flow rates are so low as to make the use of a weight measurement device of  $\pm 1$  percent impracticable. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standards.

(iii) The owner or operator must verify the calibration of the weight measurement device in accordance with the schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2007.

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

**Condition 25: Compliance Demonstration**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1512(h)(1), Subpart RRR**

**Item 25.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M003E

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE



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**Facility DEC ID: 6405800003**

CAS No: 0NY075-00-0 PARTICULATES

**Item 25.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an in-line fluxer that uses reactive flux materials must conduct a performance test to measure emissions of HCl and PM or otherwise demonstrate compliance in accordance with paragraph (h)(2) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 26: Compliance Demonstration**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1512(h)(2), Subpart RRR**

**Item 26.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M003E

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

CAS No: 0NY075-00-0 PARTICULATES

**Item 26.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator may choose to limit the rate which reactive flux is added to an in-line fluxer and assume, for the purposes of demonstrating compliance with the SAPU emission limit, that all chlorine in the reactive flux added to the in-line fluxer is emitted as HCl. Under these circumstances, the owner or operator is not required to conduct an emission test for HCl. If the owner or operator of any in-line flux box which has no ventilation duct work manifolded to any outlet or emission control device chooses to demonstrate compliance with the emission limit



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for HCl by limiting use of reactive chlorine flux and assuming all chlorine in the flux is emitted as HCl, compliance with the HCl limit shall also constitute compliance with the emission limit for PM, and no separate emission test PM is required. In this case, the owner or operator of the unvented in-line flux box must utilize the the maximum permissible PM emissions rate for the in-line flux boxes when determining the total emissions for any SAPU which includes the flux box.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 32: Performance Test/Compliance Demonstration Requirements and Procedures - Feed/Charge Weight Measurement. Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 32.1:**

This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M003E

**Item 32.2:**

Feed/charge weight measurement. During the emission test(s) conducted to determine compliance with emission limits in a kg/Mg (lb/ton) format, the owner or operator of an affected source or emission unit, subject to an emission limit in a kg/Mg (lb/ton) of feed/charge format, must measure (or otherwise determine) and record the total weight of feed/charge to the affected source or emission unit for each of the three test runs and calculate and record the total weight. An owner or operator that chooses to demonstrate compliance on the basis of the aluminum production weight must measure the weight of aluminum produced by the emission unit or affected source instead of the feed/charge weight.

**Condition 33: Flux Injection Rate compliance demonstration requirements Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 33.1:**

This Condition applies to Emission Unit: M-000A2  
Process: FBI Emission Source: M003E

**Item 33.2:**

Flux injection rate. The owner or operator must use these procedures to establish an operating parameter value or range for the total reactive chlorine flux injection rate.

(1) Continuously measure and record the weight of gaseous or liquid reactive flux injected for each 15 minute period during the HCl and D/F tests, determine and record the 15-minute block average weights,



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and calculate and record the total weight of the gaseous or liquid reactive flux for the 3 test runs;

(2) Record the identity, composition, and total weight of each addition of solid reactive flux for the 3 test runs;

(3) Determine the total reactive chlorine flux injection rate by adding the recorded measurement of the total weight of chlorine in the gaseous or liquid reactive flux injected and the total weight of chlorine in the solid reactive flux using Equation 5:

$$Wt = F1W1 + F2W2$$

Where,

Wt = Total chlorine usage, by weight;

F1 = Fraction of gaseous or liquid flux that is chlorine;

W1 = Weight of reactive flux gas injected;

F2 = Fraction of solid reactive chloride flux that is chlorine (e.g., F = 0.75 for magnesium chloride; and

W2 = Weight of solid reactive flux;

(4) Divide the weight of total chlorine usage (Wt) for the 3 test runs by the recorded measurement of the total weight of feed for the 3 test runs; and

(5) If a solid reactive flux other than magnesium chloride is used, the owner or operator must derive the appropriate proportion factor subject to approval by the applicable permitting authority.

**Condition 34: Compliance Demonstration**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

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

**Item 34.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-000A2

Process: FBI

Emission Source: M003E

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 34.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of each scrap dryer/delacquering kiln/decoating kiln, group 1 furnace, group 2 furnace, and in-line fluxer must submit the information described in §63.1515(b)(3) as part of the notification of compliance status report to document conformance with the labeling

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standards listed in §63.1506(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



**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 - 6NYCRR Part 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

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law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**

**Condition 35: Contaminant List**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable State Requirement: ECL 19-0301**

**Item 35.1:**

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

CAS No: 0NY100-00-0

Name: HAP

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 0NY075-00-0

Name: PARTICULATES

**Condition 36: Unavoidable noncompliance and violations**

**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-1.4**

**Item 36.1:**

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.



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(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 superseded 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 37: Emission Unit Definition**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 37.1:**

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

Emission Unit: M-000A2

Emission Unit Description:

INLINE FLUXING UNITS USE A MIXTURE OF INERT GAS AND CHLORINE GAS TO PURIFY MOLTEN ALUMINUM AS IT IS BEING CAST INTO INGOTS OR ROD. TYPICALLY THERE IS ONE FILTERBOX PER FURNACE, AND MULTIPLE FURNACES/FILTERBOXES SERVE A SINGLE CASTING COMPLEX. WITHIN A CASTING COMPLEX, THESE FILTERBOXES CAN BE EXHAUSTED TOGETHER OR INDIVIDUALLY, HOWEVER ONLY ONE FILTER BOX IS FLUXING AT ANY GIVEN TIME SINCE THERE IS ONLY ONE CASTING APPARATUS PER COMPLEX. THUS ONLY ONE



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FILTERBOX EMISSION SOURCE AND POINT  
REPRESENTS ALL FILTERBOXES IN A CASTING  
COMPLEX.

Building(s): 221

**Condition 38: Air pollution prohibited**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 38.1:**

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.

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

**Condition 39: Emission Point Definition By Emission Unit**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 39.1:**

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

Emission Unit: M-000A2

Emission Point: I0036

Height (ft.): 52                      Diameter (in.): 9  
NYTMN (km.): 4977.223    NYTME (km.): 508.928    Building: 221

Emission Point: I003E

Height (ft.): 48                      Diameter (in.): 8  
NYTMN (km.): 4977.            NYTME (km.): 508.9            Building: 221

**Condition 40: Process Definition By Emission Unit**  
**Effective between the dates of 07/24/2006 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 40.1:**

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

Emission Unit: M-000A2

Process: FBI

Source Classification Code: 3-04-001-04

Process Description:

2, "inerted" In-line filter boxes and alkali removal of molten metal

Emission Source/Control: M0036 - Process

Emission Source/Control: M003E - Process