

New York State Department of Environmental Conservation
Facility DEC ID: 1472800111



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 1-4728-00111/02001
Effective Date: 11/13/2007 Expiration Date: No expiration date

Permit Issued To: CRESTWOOD METAL CO
1100 LINCOLN AVE
HOLBROOK, NY 11741-2260

Contact: WILLIAM GOLDKIND
CRESTWOOD METAL COMPANY
1100 LINCOLN AVE
HOLBROOK, NY 11741

Facility: CRESTWOOD METAL COMPANY
1100 LINCOLN AVE
HOLBROOK, NY 11741

Description:

This permit is for scrap metal processing operations include three (3) sweat furnaces (United AS-990-R, AS-93-93-20R and G466) designed to recover aluminum and copper from scrap metal. Three alminum sweat furnaces melt aluminum and seperate the molten aluminum from iron and other metals with higher melting points. Scrap copper wire is processed in United G466 furnace.

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: ROGER EVANS
NYSDEC - SUNY @ STONY BROOK
50 CIRCLE RD
STONY BROOK, NY 11790-3409

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, modifications and transfers

Permit modifications, suspensions or revocations by the Department

Facility Level

Submission of application for permit modification or renewal-REGION 1
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: 6NYCRR 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



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actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

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 application for permit modification or renewal-REGION 1 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409
(631) 444-0365



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ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CRESTWOOD METAL CO
1100 LINCOLN AVE
HOLBROOK, NY 11741-2260

Facility: CRESTWOOD METAL COMPANY
1100 LINCOLN AVE
HOLBROOK, NY 11741

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

Permit Effective Date: 11/13/2007

Permit Expiration Date: No expiration date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 202-1.1: Required Emissions Tests
- 2 6NYCRR 200: Statement of Applicability to Facility
- 3 6NYCRR 202-1.2: Notification
- 4 6NYCRR 202-1.3: Acceptable procedures
- 5 6NYCRR 212.6(a): Compliance Demonstration
- 6 40CFR 63.1505(f), Subpart RRR: Compliance Demonstration
- 7 40CFR 63.1506, Subpart RRR: Compliance Demonstration
- 8 40CFR 63.1506(p), Subpart RRR: Operating requirements - Corrective Action
- 9 40CFR 63.1510(b), Subpart RRR: Monitoring and Compliance Requirements - OM&M Plan
- 10 40CFR 63.1516, Subpart RRR: Secondary Aluminum MACT Reports
- 11 40CFR 63.1517, Subpart RRR: Secondary Aluminum MACT Recordkeeping

Emission Unit Level

EU=A-00001

- 12 40CFR 63.1510(g), Subpart RRR: Compliance Demonstration
- 13 40CFR 63.1510(g)(3), Subpart RRR: Compliance Demonstration

EU=A-00001,Proc=001

- 14 40CFR 63, Subpart RRR: Compliance Demonstration
- 15 40CFR 63.1501(b), Subpart RRR: Compliance dates for new/reconstructed sources

EU=A-00001,Proc=002

- 16 40CFR 63.1501(b), Subpart RRR: Compliance dates for new/reconstructed sources

EU=A-00001,EP=00001

- 17 6NYCRR 212.4(c): Compliance Demonstration
- 18 40CFR 63.1506(d), Subpart RRR: Compliance Demonstration
- 19 40CFR 63.1506(h), Subpart RRR: Compliance Demonstration

EU=A-00001,EP=00002

- 20 6NYCRR 212.4(c): Compliance Demonstration
- 21 40CFR 63.1506(d), Subpart RRR: Compliance Demonstration
- 22 40CFR 63.1506(h), Subpart RRR: Compliance Demonstration

EU=A-00001,EP=00003



- 23 6NYCRR 212.4(c): Compliance Demonstration
- 24 40CFR 63.1506(d), Subpart RRR: Compliance Demonstration
- 25 40CFR 63.1506(h), Subpart RRR: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 26 ECL 19-0301: Contaminant List
- 27 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 28 6NYCRR 201-5: Emission Unit Definition
- 29 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 30 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 31 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: Required Emissions Tests
Effective between the dates of 11/13/2007 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 1.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 2: Statement of Applicability to Facility
Effective between the dates of 11/13/2007 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 200

Item 2.1:

The requirements of 6 NYCRR Part 200 apply to this facility.



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Condition 3: Notification

Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.2

Item 3.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

Condition 4: Acceptable procedures

Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.3

Item 4.1:

Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 5: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 5.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will immediately investigate any instance where there is



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cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify The Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Monitoring Frequency: DAILY

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 6: Compliance Demonstration
Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 6.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 6.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The owner/operator is not required to conduct a performance test to demonstrate compliance, provided that



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the operator maintains an afterburner with a design residence time of 0.8 seconds or greater and an operating temperature of 1600 degrees F or greater.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 1600 degrees Fahrenheit
Reference Test Method: EPA
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 7: Compliance Demonstration
Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1506, Subpart RRR

Item 7.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 7.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The owner or operator of a sweat furnace with emissions controlled by an afterburner must operate the furnace following the requirements of 40 CFR63.1506(h).

(1) maintain the 3-hr block average operating temperature of each afterburner at or above 1600 degree F if a performance test was not conducted and the afterburner meets the specifications of 40CFR63.1505(f)(1), requiring the afterburner design residence time of 0.8 seconds or greater.

(2) Operate each afterburner in accordance with the Operation, maintenance, and Monitoring (OM&M) plan as set forth in 40CFR63.1510(b).

(1) Maintain

Parameter Monitored: TEMPERATURE



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Lower Permit Limit: 1600 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 12 calendar month(s).

Condition 8: Operating requirements - Corrective Action
Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 8.1:

When a process parameter or add-on air pollution control device operating parameter deviates from the value or range established during the performance test and incorporated in the OM&M plan, the owner or operator must initiate corrective action. Corrective action must restore operation of the affected source or emission unit (including the process or control device) to its normal or usual mode of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Corrective actions taken must include follow-up actions necessary to return the process or control device parameter level(s) to the value or range of values established during the performance test and steps to prevent the likely recurrence of the cause of a deviation.

Condition 9: Monitoring and Compliance Requirements - OM&M Plan
Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 9.1:

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.

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- (2) A monitoring schedule for each affected source and emission unit.
- (3) Procedures for the proper operation and maintenance of each process unit and add-on control device used to meet the applicable emission limits or standards in 40 CFR Part 63.1505.
- (4) Procedures for the proper operation and maintenance of monitoring devices or systems used to determine compliance, including:
 - (i) Calibration and certification of accuracy of each monitoring device, at least once every 6 months, according to the manufacturer's instructions; and
 - (ii) Procedures for the quality control and quality assurance of continuous emission or opacity monitoring systems as required by the general provisions in 40 CFR Part 63 Subpart A.
- (5) Procedures for monitoring process and control device parameters, including procedures for annual inspections of afterburners, and if applicable, the procedure to be used for determining charge/feed (or throughput) weight if a measurement device is not used.
- (6) Corrective actions to be taken when process or operating parameters or add-on control device parameters deviate from the value or range established in paragraph (b)(1) of 40 CFR §63.1510, including:
 - (i) Procedures to determine and record the cause of an deviation or excursion, and the time the deviation or excursion began and ended; and
 - (ii) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time/date corrective action was completed.
- (7) A maintenance schedule for each process and control device that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.
- (8) Documentation of the work practice and pollution prevention measures used to achieve compliance with the applicable emission limits and a site-specific monitoring plan as required in 40 CFR §63.1510(o) for each group 1 furnace not equipped with an add-on air pollution control device.

Condition 10: Secondary Aluminum MACT Reports
Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1516, Subpart RRR

Item 10.1:

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 comply with the standard. The owner or operator shall also keep records of each event as required by



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§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 10.2:

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 10.3:

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 11: Secondary Aluminum MACT Recordkeeping
Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1517, Subpart RRR

Item 11.1:

(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.

(b) In addition to the general records required by §63.10(b), the owner or operator of a new or existing



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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 12: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 12.2:

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 times the average temperature established according to



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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 1/30/2008.

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

Condition 13: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.1510(g)(3), Subpart RRR

Item 13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must conduct an inspection of each afterburner at least once a year and record the results.

At a minimum, an inspection must include:

- i) Inspection of all burners, pilot assemblies, and pilot sensing devices for proper operation and clean pilot sensor;
- ii) Inspection for proper adjustment of combustion air;
- iii) Inspection of internal structures (e.g.,

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baffles) to ensure structural integrity;

iv) Inspection of dampers, fans, and blowers for proper operation;

v) Inspection for proper sealing;

vi) Inspection of motors for proper operation;

vii) Inspection of combustion chamber refractory lining and clean and replace lining as necessary;

viii) Inspection of afterburner shell for corrosion and/or hot spots;

ix) Documentation, for the burn cycle that follows the inspection, that the afterburner is operating properly and any necessary adjustments have been made; and

x) Verification that the equipment is maintained in good operating condition.

xi) Following an equipment inspection, all necessary repairs must be completed in accordance with the requirements of the OM&M Plan.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 14: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63, Subpart RRR

Item 14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001

Process: 001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 14.2:

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Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

THE TEMPERATURE OF THE THREE ALUMINUM
SWEAT FURNACE AFTERBURNERS WILL BE
MONITORED TO DETERMINE THAT THE AVERAGE
OPERATING TEMPERATURE IS MAINTAINED AT
1600 DEGREES F OR GREATER. TEMPERATURE
WILL BE MONITORED CONTINUOUSLY WITH A
THERMOCOUPLE AND AVERAGE

Parameter Monitored: IDLING LIMIT

Lower Permit Limit: 1600 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 06/11/2008 for the period 11/13/2007 through 05/12/2008

Condition 15: Compliance dates for new/reconstructed sources
Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 15.1:

This Condition applies to Emission Unit: A-00001
Process: 001

Item 15.2:

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 16: Compliance dates for new/reconstructed sources
Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 16.1:

This Condition applies to Emission Unit: A-00001
Process: 002

Item 16.2:

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.

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Condition 17: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 18: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

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Item 18.2:

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:

- (1) Except as provided in paragraph (3) of this condition, install, calibrate, operate and maintain a device that measures and records or otherwise determine the weight of feed/charge (or throughput) for each operating cycle or time period used in the performance test; and
- (2) Operate each weight measurement system or other weight determination procedure in accordance with the OM&M plan.
- (3) The owner or operator may chose to measure and record aluminum production weight from an affected source or emission unit rather than feed/charge weight to an affected source or emission unit, provided that:
 - (i) The aluminum production weight, rather than feed/charge weight is measured and recorded for all emission units within a SAPU; and
 - (ii) All calculations to demonstrate compliance with the emission limits for SAPUs are based on aluminum production weight rather than feed/charge weight.
- (4) Feed/charge or aluminum production within SAPUs must be measured and recorded for each group 1 furnace and/or in-line fluxer.
- (5) The accuracy of the weight measurement device or procedure must be ± 1 percent of the weight being measured. The owner or operator may apply to the permitting agency for approval to use a device of alternative accuracy if the required accuracy cannot be achieved as a result of equipment layout or charging practices. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standard.
- (6) The owner or operator must verify the calibration of the weight measurement device in accordance with the



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schedule specified by the manufacturer, or if no calibration schedule is specified, at least once every 6 months.

(7) As an alternative to a measurement device, the owner or operator may use a procedure acceptable to the applicable permitting authority to determine the total weight of feed/charge or aluminum production to the affected source or emission unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 19: Compliance Demonstration
Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 19.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 19.2:

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



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operation, maintenance, and monitoring (OM&M) plan as required in §63.1510(b).

Parameter Monitored: TEMPERATURE
Lower 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 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 20: Compliance Demonstration
Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00002

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

Item 20.2:

Compliance Demonstration shall include the following monitoring:

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

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 21: Compliance Demonstration
Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 21.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00002

Regulated Contaminant(s):

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 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:

- (1) Except as provided in paragraph (3) of this condition, install, calibrate, operate and maintain a device that measures and records or otherwise determine the weight of feed/charge (or throughput) for each operating cycle or time period used in the performance test; and
- (2) Operate each weight measurement system or other weight determination procedure in accordance with the OM&M plan.
- (3) The owner or operator may chose to measure and record aluminum production weight from an affected source or emission unit rather than feed/charge weight to an affected source or emission unit, provided that:
 - (i) The aluminum production weight, rather than feed/charge weight is measured and recorded for all emission units within a SAPU; and
 - (ii) All calculations to demonstrate compliance with the emission limits for SAPUs are based on aluminum production weight rather than feed/charge weight.
- (4) Feed/charge or aluminum production within SAPUs must be measured and recorded for each group 1 furnace and/or in-line fluxer.
- (5) The accuracy of the weight measurement device or procedure must be ± 1 percent of the weight being measured.



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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.

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

(7) As an alternative to a measurement device, the owner or operator may use a procedure acceptable to the applicable permitting authority to determine the total weight of feed/charge or aluminum production to the affected source or emission unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 22: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 22.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00002

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 22.2:

Compliance Demonstration shall include the following monitoring:

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



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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

Lower 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 1/30/2008.

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

Condition 23: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 23.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than

0.050 grains of particulates per cubic foot of exhaust

gas, expressed at standard conditions on a dry gas basis.

Compliance testing will be conducted at the discretion of the Department.



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Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 24.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00003

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 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:

(1) Except as provided in paragraph (3) of this condition, install, calibrate, operate and maintain a device that measures and records or otherwise determine the weight of feed/charge (or throughput) for each operating cycle or time period used in the performance test; and

(2) Operate each weight measurement system or other weight determination procedure in accordance with the OM&M plan.

(3) The owner or operator may chose to measure and record aluminum production weight from an affected source or emission unit rather than feed/charge weight to an affected source or emission unit, provided that:

(i) The aluminum production weight, rather than feed/charge weight is measured and recorded for all

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emission units within a SAPU; and

(ii) All calculations to demonstrate compliance with the emission limits for SAPUs are based on aluminum production weight rather than feed/charge weight.

(4) Feed/charge or aluminum production within SAPUs must be measured and recorded for each group 1 furnace and/or in-line fluxer.

(5) The accuracy of the weight measurement device or procedure must be ± 1 percent of the weight being measured. The owner or operator may apply to the permitting agency for approval to use a device of alternative accuracy if the required accuracy cannot be achieved as a result of equipment layout or charging practices. A device of alternative accuracy will not be approved unless the owner or operator provides assurance through data and information that the affected source will meet the relevant emission standard.

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

(7) As an alternative to a measurement device, the owner or operator may use a procedure acceptable to the applicable permitting authority to determine the total weight of feed/charge or aluminum production to the affected source or emission unit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 25: Compliance Demonstration

Effective between the dates of 11/13/2007 and Permit Expiration Date

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

Item 25.1:

The Compliance Demonstration activity will be performed for:

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Emission Unit: A-00001 Emission Point: 00003

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

Item 25.2:

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
Lower 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 1/30/2008.
Subsequent reports are due every 6 calendar month(s).



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: 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 26: Contaminant List

Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 26.1:

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: 0NY075-00-0

Name: PARTICULATES

Condition 27: Unavoidable noncompliance and violations

Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 27.1:

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



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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 28: Emission Unit Definition
Effective between the dates of 11/13/2007 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 28.1:

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

Emission Unit: A-00001

Emission Unit Description:

SCRAP METAL PROCESSING OPERATIONS INCLUDE THREE SWEAT FURNACES DESIGNED TO RECOVER ALUMINUM AND COPPER FROM SCRAP METAL. THREE ALUMINUM SWEAT FURNACES MELT ALUM, AND SEPARATE THE MOLTEN ALUM, FROM IRON AND OTHER METALS WITH HIGHER MELTING POINTS. SCRAP COPPER WIRE IS PROCESSED IN THE THIRD FURNACE WHERE THE INSULATION IS BURNED OFF. ALL UNITS EQUIPPED WITH EMISSION CONTROLS.

Building(s): II

Condition 29: Air pollution prohibited
Effective between the dates of 11/13/2007 and Permit Expiration Date



New York State Department of Environmental Conservation

Permit ID: 1-4728-00111/02001

Facility DEC ID: 1472800111

Applicable State Requirement: 6NYCRR 211.2

Item 29.1:

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 30: Emission Point Definition By Emission Unit
Effective between the dates of 11/13/2007 and Permit Expiration Date**

Applicable State Requirement: 6NYCRR 201-5

Item 30.1:

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

Emission Unit:	A-00001	
Emission Point:	00001	
Height (ft.):	35	Diameter (in.): 18
Emission Point:	00002	
Height (ft.):	35	Diameter (in.): 18
Emission Point:	00003	
Height (ft.):	35	Diameter (in.): 18

**Condition 31: Process Definition By Emission Unit
Effective between the dates of 11/13/2007 and Permit Expiration Date**

Applicable State Requirement: 6NYCRR 201-5

Item 31.1:

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

Emission Unit: A-00001
 Process: 001
 Process Description:
 ALUMINUM SCRAP METAL IS PROCESSED IN A
 SECONDARY ALUMINUM SWEAT FURNACE. SCRAP

New York State Department of Environmental Conservation

Permit ID: 1-4728-00111/02001

Facility DEC ID: 1472800111



METAL IS LOADED INTO THE FURNACE FROM AN OPEN TRAY WITH A MOTORIZED CHARGER IN 1500 LB (APPROX) BATCHES. FURNACE HAS TWO CHAMBERS, THE PRIMARY SWEATING CHAMBER AND THE HOLDING CHAMBER SEPARATED BY A PERFORATED FIREBRICK WALL THAT PROVIDES ADDITIONAL MIXING AND BURN OF COMBUSTION GASES PRIOR TO PASSAGE THROUGH THE DIRECT FLAME (PROPANE) AFTERBURNER. AFTERBURNER IS TANGENTIALLY FIRED, RATED AT A MAX, OPERATING TEMP OF 2000 DEGREES F, AND MAX. RETENTION TIME IN COMBUSTION CHAMBER OF 0.98 SECONDS UNDER WORST CASE CONDITIONS. MOLTEN RECOVERED ALUMINUM IS DRAWN OFF INTO 1000 LB VESSELS (SOWS) FOR SALE AND FURTHER PROCESSING OFF SITE. DROSS, FERROUS AND METALS ARE SEPARATED AND SOLD FOR FURTHER PROCESSING AND RECLAMATION AT CUSTOMER FACILITIES. AFTERBURNER TEMPERATURE IS CONTINUOUSLY MONITORED AND STORED IN A COMPUTER.

Emission Source/Control: AFTE1 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: AFTE2 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: AFTE3 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: ALFU1 - Process

Emission Source/Control: ALFU2 - Process

Emission Source/Control: ALFU3 - Process

Item 31.2:

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

Emission Unit: A-00001

Process: 002

Process Description:

COPPER WIRE AND COPPER SCRAP METAL ARE PROCESSED IN A SWEAT FURNACE DESIGNED TO REMOVE INSULATION AND PURIFY THE MATERIAL. SCRAP IS LOADED INTO THE FURNACE FROM AN

New York State Department of Environmental Conservation

Permit ID: 1-4728-00111/02001

Facility DEC ID: 1472800111



OPEN TRAY BY MOTORIZED CHARGER IN 1500 (APPROX) BATCHES. THE FURNACE HAS TWO CHAMBERS SEPARATED BY A PERFORATED FIRE BRICK WALL THAT PROVIDES ADDITIONAL MIXING AND BURNING OF COMBUSTION GASES PRIOR TO PASSAGE THROUGH THE DIRECT FLAME (PROPANE) AFTERBURNER. AFTERBURNER IS TANGENTIALLY FIRED AND RATED AT A MAXIMUM OPERATING TEMP. OF 2000 DEGREES F AND A MAXIMUM RETENTION TIME OF 0.98 SECONDS UNDER WORST CASE CONDITIONS.

Emission Source/Control: CUAFT - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: CUFUR - Process