

Authorized Signature:

## **PERMIT**

<b>Under the Environmental Conservation Law (ECL)</b>			
		IDENTIFICATION INFORMAT	TON
Permit ID:	Air State Facilit 1-4728-00111/0 Effective Date:		Expiration Date:
Permit Issued	1100 LINCOI	OD METALS CORPORATION LN AVE , NY 11741-2260	
Contact:	WILLIAM GO CRESTWOOD 1100 LINCOL HOLBROOK (631) 567-272	D METAL COMPANY LN AVE , NY 11741	
Facility:	CRESTWOOD 1100 LINCOL HOLBROOK		
collection of s	scrap metals scra	n is a recycler of non-ferrous metals. p followed by separation, shredding, rmitted gas fired furnaces. The facilit	and refinement. Refinement
compliance w	ith the ECL, all	the permittee agrees that the permit is applicable regulations, the General C s part of this permit.	
Permit Administrator:		SUSAN ACKERMAN NYSDEC - REGION 1 SUNY @ S' 50 CIRCLE RD STONY BROOK, NY 11790-3409	TONY BROOK

\_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_



#### **Notification of Other State Permittee Obligations**

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



#### PAGE LOCATION OF CONDITIONS

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#### **DEC GENERAL CONDITIONS**

#### **General Provisions**

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- 4 2 Relationship of this Permit to Other Department Orders and Determinations
- 4 3 Applications for permit renewals, modifications and transfers
- 5 4 Applications for permit renewals, modifications and transfers

### **Facility Level**

5 6 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: 6 NYCRR 621.11

#### Item 3.1:

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

#### Item3.2:

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

#### **Item 3.3**

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

#### **Division of Air Resources**



Facility DEC ID: 1472800111

## Condition 4: Applications for permit renewals, modifications and transfers Applicable State Requirement: 6 NYCRR 621.11

#### Item 4.1:

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

#### Item 4.2:

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

#### **Item 4.3**

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

## Condition 5: Permit modifications, suspensions or revocations by the Department Applicable State Requirement: 6 NYCRR 621.13

#### Item 5.1:

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

\*\*\*\* Facility Level \*\*\*\*

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

#### Item 6.1:

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

#### **Division of Air Resources**



### **Facility DEC ID: 1472800111**

50 Circle Road Stony Brook, NY 11790-3409 (631) 444-0365



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

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

#### IDENTIFICATION INFORMATION

Permit Issued To:CRESTWOOD METALS CORPORATION 1100 LINCOLN AVE HOLBROOK, NY 11741-2260

Facility: CRESTWOOD METAL CORP

1100 LINCOLN AVE HOLBROOK, NY 11741

Authorized Activity By Standard Industrial Classification Code:

3341 - SECONDARY NONFERROUS METALS

5051 - METALS SERV CENTERS & OFFICES

5093 - SCRAP AND WASTE MATERIALS

Permit Effective Date: Permit Expiration Date:



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#### FEDERALLY ENFORCEABLE CONDITIONS

Renewal 1/DRAFT

\*\*\*\* Facility Level \*\*\*\*

#### NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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



required to operate such device effectively.

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

- (a) Except as otherwise provided by this Part, construction or operation of a new, modified or existing air contamination source without a registration or permit issued pursuant to this Part is prohibited.
- (b) If an existing facility or emission source was subject to the permitting requirements of this Part at the time of construction or modification, and the owner or operator failed to apply for a permit or registration as described in this Part, the owner or operator must apply for a permit or registration in accordance with the provisions of this Part. The facility or emission source is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing emission sources.

#### Item E: Recycling and Salvage - 6 NYCRR 201-1.7

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

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

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

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

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

#### Item H: Proof of Eligibility for Sources Defined as Trivial



#### Activities - 6 NYCRR 201-3.3 (a)

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

#### Item I: Required Emission Tests - 6 NYCRR 202-1.1

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

#### Item J: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

#### Item K: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

#### Item L: Federally Enforceable Requirements - 40 CFR 70.6 (b)



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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 for entire length of Permit** 

#### Applicable Federal Requirement: 6 NYCRR 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 Department may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 2:** Notification

Effective for entire length of Permit

#### Applicable Federal Requirement: 6 NYCRR 202-1.2

#### Item 2.1:

A person who is required by the Department to submit a stack test report shall notify the Department, 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 a representative of the Department free access to observe stack testing being conducted by such person.

Condition 3: Acceptable procedures

Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 202-1.3

### Item 3.1:

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 4:** Visible Emissions Limited

Air Pollution Control Permit Conditions



#### **Effective for entire length of Permit**

#### Applicable Federal Requirement: 6 NYCRR 211.2

#### Item 4.1:

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

**Condition 5: Compliance Demonstration Effective for entire length of Permit** 

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

#### Item 5.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

#### Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING Monitoring Description:

Emissions from any process emission source for which an application was received by the department after July 1,

1973 are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of 6 NYCRR 212-2.5 (a) and (b).

Parameter Monitored: PARTICULATES Upper Permit Limit: 0.050 grains per dscf Reference Test Method: EPA Method 5 Monitoring Frequency: Once every five years

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 6: Operating requirements - Corrective Action** Effective for entire length of Permit

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



#### Item 6.1:

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 7: Monitoring and Compliance Requirements - OM&M Plan Effective for entire length of Permit

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

#### Item 7.1:

The owner or operator must prepare and implement for each new or existing affected source and emission unit, a written OM&M plan. The owner or operator of an existing affected source must submit the OM&M plan to the permitting authority for major sources, or the Administrator for area sources no later than the compliance date established by 40 CFR 63.1501. The owner or operator of any new affected source must submit the OM&M plan to the permitting authority for major sources, or the Administrator for area sources within 90 days after a successful initial performance test under 40 CFR 63.1511(b), or within 90 days after the compliance date established by 40 CFR 63.1501 if no initial performance test is required. The plan must be accompanied by a written certification by the owner or operator that the OM&M plan satisfies all requirements of this section and is otherwise consistent with the requirements of Subpart RRR. The owner or operator must comply with all of the provisions of the OM&M plan as submitted to the permitting authority for major sources, or the Administrator for area sources, unless and until the plan is revised in accordance with the following procedures. If the permitting authority for major sources, or the Administrator for area sources determines at any time after receipt of the OM&M plan that any revisions of the plan are necessary to satisfy the requirements of 40 CFR 63.1510, the owner or operator must promptly make all necessary revisions and resubmit the revised plan. If the owner or operator determines that any other revisions of the OM&M plan are necessary, such revisions will not become effective until the owner or operator submits a description of the changes and a revised plan incorporating them to the permitting authority for major sources, or the Administrator for area sources. 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 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



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- (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 63 Subpart A.
- (5) Procedures for monitoring process and control device parameters, including lime injection rates, procedures for annual inspections of afterburners, and if applicable, the procedure to be used for determining charge/feed (or throughput) weight if a measurement device is not used.
- (6) Corrective actions to be taken when process or operating parameters or add-on control device parameters deviate from the value or range established in paragraph (b)(1) of this condition, including:
- (i) Procedures to determine and record the cause of any deviation or excursion, and the time the deviation or excursion began and ended; and
- (ii) Procedures for recording the corrective action taken, the time corrective action was initiated, and the time/date corrective action was completed.
- (7) A maintenance schedule for each process and control device that is consistent with the manufacturer's instructions and recommendations for routine and long-term maintenance.
- (8) Documentation of the work practice and pollution prevention measures used to achieve compliance with the applicable emission limits and a site-specific monitoring plan as required in 40 CFR 63.1510(o) for each group 1 furnace not equipped with an add-on air pollution control device.
- (9) Procedures to be followed when changing furnace classifications under the provisions of 40 CFR 63.1514.

## Condition 8: Compliance Demonstration Effective for entire length of Permit

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

#### Item 8.1:

The Compliance Demonstration activity will be performed for the Facility.

#### Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

(b) Excess emissions/summary report. The owner or operator of a major or area source must submit semiannual reports according to the requirements in 40 CFR 63.10(e)(3). Except, the owner or operator must submit the semiannual reports within 60 days after the end of each 6-month period instead of within 30 days after the calendar half as specified in 40 CFR 63.10(e)(3)(v). When no deviations of parameters have occurred, the owner or operator must submit a report stating that no excess emissions occurred during the reporting period.

- (1) A report must be submitted if any of the conditions in 40 CFR 63.1516(b)(1) occur during a 6-month reporting period.
- (2) Each report must include each of the certifications in 40 CFR 63.1516(b)(2), as applicable.
- (3) The owner or operator must submit the results of any performance test conducted during the reporting period, including one complete report documenting test methods and procedures, process operation, and monitoring parameter ranges or values for each test method used for a particular type of emission point tested according to 40 CFR 63.1516(b)(3).
- (4) A malfunction report that is required under 40 CFR 63.1516(d) shall be submitted simultaneously with the semiannual excess emissions/summary report required by 40 CFR 63.1516(b).
- (c) Annual compliance certifications. For the purpose of annual certifications of compliance required by 40 CFR part 70 or 71, the owner or operator of a major source subject to this subpart must certify continuing compliance based upon, but not limited to, the following conditions:
- (1) Any period of excess emissions, as defined in 40 CFR 63.1516(b)(1), that occurred during the year were reported as required by this subpart; and
- (2) All monitoring, recordkeeping, and reporting requirements were met during the year.
- (d) If there was a malfunction during the reporting period, the owner or operator must submit a report that includes the emission unit ID, monitor ID, pollutant or parameter monitored, beginning date and time of the event, end date and time of the event, cause of the deviation or exceedance and corrective action taken for each malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must include a list of the affected source or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit, and a description of the method used to estimate the emissions, including, but not limited to, product-loss calculations, mass balance calculations, measurements when available, or engineering judgment based on known process parameters. The report must also include a description of actions taken by an owner or operator



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during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.1506(a)(5).

(e) All reports required by Subpart RRR not subject to the requirements in 40 CFR 63.1516(b) must be sent to the Administrator at the appropriate address listed in 40 CFR 63.13. If acceptable to both the Administrator and the owner or operator of a source, these reports may be submitted on electronic media. The Administrator retains the right to require submittal of reports subject to 40 CFR 63.1516(b) in paper format.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR) Reports due 30 days after the reporting period. Subsequent reports are due every 6 calendar month(s).

## Condition 9: Secondary Aluminum MACT Recordkeeping Effective for entire length of Permit

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

#### Item 9.1:

- (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 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)(20) as applicable.

### Condition 10: Applicability

**Effective for entire length of Permit** 

### Applicable Federal Requirement: 40CFR 63, Subpart ZZZZ

#### Item 10.1:

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 Subpart ZZZZ.

Condition 11: Engines at Area sources of HAP
Effective for entire length of Permit



#### Applicable Federal Requirement: 40CFR 63, Subpart ZZZZ

#### Item 11.1:

Internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart IIII or Subpart JJJJ meet the requirements of 40 CFR 63 Subpart ZZZZ.

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

## Condition 12: Compliance dates for new/reconstructed sources Effective for entire length of Permit

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

#### Item 12.1:

This Condition applies to Emission Unit: A-00001

#### Item 12.2:

The owner or operator of an affected source constructed before February 14, 2012, must comply with the requirements specified in 40 CFR 63.1501(b) by March 16, 2016.

## Condition 13: Weight Measuring Device Operating Requirements Effective for entire length of Permit

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

#### Item 13.1:

This Condition applies to Emission Unit: A-00001

#### Item 13.2:

The owner or operator of an affected source or emission unit subject to an emission limit in kg/Mg (lb/ton) or  $\mu g/Mg$  (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 choose 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



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

Condition 14: Compliance Demonstration
Effective for entire length of Permit

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

#### Item 14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

#### Item 14.2:

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.

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

Condition 15: Compliance Demonstration
Effective for entire length of Permit

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

#### Item 15.1:

The Compliance Demonstration activity will be performed for:

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Emission Unit: A-00001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

#### Item 15.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

These requirements apply to the owner or operator of an affected source using an afterburner to comply with the requirements of this subpart.

- 1) The owner or operator must install, calibrate, maintain, and operate a device to continuously monitor and record the operating temperature of the afterburner consistent with the requirements for continuous monitoring systems in subpart A of this part.
- 2)The temperature monitoring device must meet each of these performance and equipment specifications:
- i)The temperature monitoring device must be installed at the exit of the combustion zone of each afterburner.
- ii)The monitoring system must record the temperature in 15 minute block averages and determine and record the average temperature for each 3 hour block period.
- iii)The recorder response range must include zero and 1.5 time the average temperature established according to the requirements in §63.1512(m).
- iv)The reference method must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the Administrator.

Parameter Monitored: TEMPERATURE Lower Permit Limit: 1600 degrees Fahrenheit

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 16: Compliance Demonstration
Effective for entire length of Permit



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

#### Item 16.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

#### Item 16.2:

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., 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



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requirements of the OM&M Plan.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



## STATE ONLY ENFORCEABLE CONDITIONS \*\*\*\* Facility Level \*\*\*\*

#### NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

#### Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined in 6 NYCRR subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

- (a) The affirmative defense of emergency shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
- (1) an emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
- (2) the equipment at the facility was being properly operated and maintained;
- (3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) the facility owner or operator notified the department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- (b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.
- (c) This provision is in addition to any emergency or malfunction provision contained in any applicable requirement.

## Item B: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance



with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

### Item C: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

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

Condition 17: Contaminant List

**Effective for entire length of Permit** 

Applicable State Requirement: ECL 19-0301

#### Item 17.1:

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

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

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

Condition 18: Malfunctions and Start-up/Shutdown Activities

**Effective for entire length of Permit** 



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

#### Item 18.1:

- (a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.
- (b) The facility owner or operator shall compile and maintain records of all equipment maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.
- (c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, the air contaminants emitted, and the resulting emission rates and/or opacity.
- (d) The department may also require the facility owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.
- (e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 19: Emission Unit Definition
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR Subpart 201-5

#### Item 19.1:

The facility is authorized to perform regulated processes under this permit for: Emission Unit: A-00001 Emission Unit Description:



Scrap metal processing operations via three (3) sweat furnaces designed to recover aluminum from scrap metal. The sweat furnaces melt the scrap metal and separate the molten aluminum from iron and other metal with higher melting points. All furnaces are equipped with afterburner emission controls.

Building(s): II

#### Item 19.2:

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

Emission Unit: C-00001 Emission Unit Description:

Scrap metal processing via one (1) sweat furnace designed to recover copper from scrap metal. The sweat furnace processes scrap copper wire by burning off the insulation. The unit is equipped with emission controls. NESHAP and NSPS requirements do not apply to the Copper sweat furnaces utilized at Crestwood.

Building(s): II

#### Item 19.3:

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

Emission Unit: G-00001 Emission Unit Description:

Electric Generation via 568 kV Genset Equipment 600 kW rating, diesel fuel

Building(s): IIIa

#### Item 19.4:

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

Emission Unit: G-00002 Emission Unit Description:

Electric Generation via 588 kV Genset equipment 455 kW rating, diesel fuel

Building(s): IIIb

### Item 19.5:

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

Emission Unit: G-00003 Emission Unit Description:

Electric Generation via Cummings 1250kW Genset equipment

Building(s): IIIc

Condition 20: Renewal deadlines for state facility permits Effective for entire length of Permit

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

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#### Item 20.1:

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

## Condition 21: Compliance Demonstration Effective for entire length of Permit

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

#### Item 21.1:

The Compliance Demonstration activity will be performed for the Facility.

#### Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources NYS Dept. of Environmental Conservation Region 1 SUNY at Stony Brook Building 40 Stony Brook, NY 11790-2356

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 22: Air pollution prohibited
Effective for entire length of Permit

#### **Applicable State Requirement: 6 NYCRR 211.1**

#### Item 22.1:

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 23: Emission Point Definition By Emission Unit Effective for entire length of Permit

#### Applicable State Requirement: 6 NYCRR Subpart 201-5

#### Item 23.1:

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

NYTMN (km.): 4519.2 NYTME (km.): 661.8 Building: II

Emission Point: 00002

Height (ft.): 35 Diameter (in.): 18

NYTMN (km.): 4519.2 NYTME (km.): 661.8 Building: II

Emission Point: 00003

Height (ft.): 35 Diameter (in.): 18

NYTMN (km.): 4519.2 NYTME (km.): 661.8 Building: II

Emission Point: 00004

Height (ft.): 35 Diameter (in.): 18

NYTMN (km.): 4519.2 NYTME (km.): 661.8 Building: II

### Condition 24: Process Definition By Emission Unit Effective for entire length of Permit

#### Applicable State Requirement: 6 NYCRR Subpart 201-5

#### Item 24.1:

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

Emission Unit: A-00001

Process: 001 Source Classification Code: 3-04-001-03

Process Description:

ALUMINUM SCRAP METAL IS PROCESSED IN A SECONDARY ALUMINUM SWEAT FURNACE. SCRAP 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.

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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 24.2:

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

Emission Unit: C-00001

Process: 002 Source Classification Code: 3-04-002-08

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 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 1800 DEGREES F AND A MAXIMUM RETENTION TIME OF 0.98 SECONDS UNDER WORST CASE CONDITIONS. MOLTEN RECOVERED COPPER IS DRAWN OFF INTO 1000 LB VESSELS (SCOWS) FOR SALE AND FURTHER PROCESSING OFF SITE. FERROUS AND OTHER WASTE METALS ARE SEPARATED FOR WASTE HANDLING.

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



Emission Source/Control: CUFUR - Process

#### Item 24.3:

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

Emission Unit: G-00001

Process: 003 Source Classification Code: 2-01-001-02 Process Description: Electric generation via 600 kW Genset equipment

Emission Source/Control: GEN01 - Combustion

Design Capacity: 568 kilovolts

#### Item 24.4:

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

Emission Unit: G-00002

Process: 004 Source Classification Code: 2-01-001-02 Process Description: Electric generation via 455 kW Genset equipment

Emission Source/Control: GEN02 - Combustion

Design Capacity: 588 kilovolts

#### Item 24.5:

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

Emission Unit: G-00003

Process: 005 Source Classification Code: 2-01-001-02 Process Description: Electric generation via 1250 kW Genset Equipment

Emission Source/Control: GEN03 - Combustion

Design Capacity: 1,250 kilowatts



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