



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 6-3013-00091/00039
Mod 0 Effective Date: 08/16/2005 Expiration Date: No expiration date.
Mod 1 Effective Date: 05/16/2013 Expiration Date: No expiration date.

Permit Issued To: REVERE COPPER PRODUCTS INC
1 REVERE PARK
ROME, NY 13440-5581

Contact: ROBERT J GEARY
REVERE COPPER PRODUCTS, INC
ONE REVERE PARK
ROME, NY 13440
(315) 338-2021

Facility: REVERE COPPER PRODUCTS INC
ONE REVERE PARK
ROME, NY 13440

Description:

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: PATRICK M CLEAREY
NYSDEC - REG 6
207 GENESEE ST
UTICA, NY 13501

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
 - Applications for permit renewals, modifications and transfers
 - Applications for Permit Renewals and Modifications
 - Permit modifications, suspensions or revocations by the Department
 - Permit Modifications, Suspensions and Revocations by the Department

Facility Level

- Submission of Applications for Permit Modification or Renewal
 - REGION 6 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 6 SUBOFFICE - UTICA



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 1-1: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 1-1.1:

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

Item 1-1.2:

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

Item 1-1.3:

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



Applicable State Requirement: 6 NYCRR 621.13

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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

Condition 1-2: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 1-2.1:

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

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

Condition 4: Permit Modifications, Suspensions and Revocations by the Department

Applicable State Requirement: 6 NYCRR 621.14

Item 4.1:

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

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



the Department related to the permitted activity.

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 6 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.5 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 6 Headquarters
Division of Environmental Permits
State Office Building, 317 Washington Street
Watertown, NY 13601-3787
(315) 785-2245

Condition 1-3: Submission of application for permit modification or renewal-REGION 6

SUBOFFICE - UTICA

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 1-3.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 6 Sub-office
Division of Environmental Permits
State Office Building, 207 Genesee Street
Utica, NY 13501-2885
(315) 793-2555

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Permit Under the Environmental Conservation Law (ECL)

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

IDENTIFICATION INFORMATION

Permit Issued To: REVERE COPPER PRODUCTS INC
1 REVERE PARK
ROME, NY 13440-5581

Facility: REVERE COPPER PRODUCTS INC
ONE REVERE PARK
ROME, NY 13440

Authorized Activity By Standard Industrial Classification Code:
3351 - COPPER ROLLING AND DRAWING

Mod 0 Permit Effective Date: 08/16/2005
date.

Permit Expiration Date: No expiration
date.

Mod 1 Permit Effective Date: 05/16/2013
date.

Permit Expiration Date: No expiration
date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1-1 6 NYCRR 201-6.1: Capping condition equation for CO₂e
- 1-2 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *1-3 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-4 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-5 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-6 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-7 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-8 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-9 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-10 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 1-11 6 NYCRR 211.1: Air pollution prohibited
- 1-12 6 NYCRR 212.3 (b): Compliance Demonstration
- 1-13 6 NYCRR 212.6 (a): Compliance Demonstration
- 1-14 6 NYCRR 225-1.2 (b): Compliance Demonstration
- 1-15 6 NYCRR 225-1.2 (e): Compliance Demonstration
- 1-16 6 NYCRR 225-1.6 (d): Record Availability
- 1-17 6 NYCRR 225-1.6 (f): Compliance Demonstration
- 8 6 NYCRR Part 226: Compliance Demonstration
- 1-18 6 NYCRR 227-1.3 (a): Compliance Demonstration
- 9 6 NYCRR 227-1.6 (a): Corrective action.
- 10 6 NYCRR 227-1.6 (b): Corrective action.
- 11 6 NYCRR 227-1.6 (c): Corrective action.
- 12 6 NYCRR 227-1.6 (d): Corrective action.
- 1-19 40CFR 63.11196(a)(1), Subpart JJJJJ: Compliance date for management practices
- 1-20 40CFR 63.11196(a)(3), Subpart JJJJJ: Compliance date for energy assessment
- 1-21 40CFR 63.11201(b), Subpart JJJJJ: Compliance Demonstration
- 1-22 40CFR 63.11201(b), Subpart JJJJJ: Compliance Demonstration
- 1-23 40CFR 63.11205(a), Subpart JJJJJ: Good air pollution control practices
- 1-24 40CFR 63.11210(c), Subpart JJJJJ: Initial compliance with management practices for existing sources
- 1-25 40CFR 63.11214(c), Subpart JJJJJ: Compliance Demonstration
- 1-26 40CFR 63.11223(a), Subpart JJJJJ: Compliance Demonstration
- 1-27 40CFR 63.11225(a), Subpart JJJJJ: Notifications
- 1-28 40CFR 63.11225(b), Subpart JJJJJ: Compliance Demonstration
- 1-29 40CFR 63.11225(c), Subpart JJJJJ: Compliance Demonstration
- 1-30 40CFR 63.11225(d), Subpart JJJJJ: Form of records
- 1-31 40CFR 63.11225(g), Subpart JJJJJ: Fuel switching notification
- 1-32 40CFR 63.11235, Subpart JJJJJ: General provisions
- 1-33 40CFR 63.11465(a), Subpart TTTTTT: Compliance Demonstration
- 1-34 40CFR 63.11465(a), Subpart TTTTTT: Compliance Demonstration
- 1-35 40CFR 63.11465(a), Subpart TTTTTT: Compliance Demonstration
- 1-36 40CFR 63.11466, Subpart TTTTTT: Performance test requirements
- 1-37 40CFR 63.11467(a), Subpart TTTTTT: Initial compliance
- 1-38 40CFR 63.11467(c), Subpart TTTTTT: Initial inspection of baghouse



- 1-39 40CFR 63.11467(e), Subpart TTTTTT: Inspection of internal components of a baghouse
- 1-40 40CFR 63.11467(g), Subpart TTTTTT: Date of Notification of Compliance Status for sources with a performance test requirement
- 1-41 40CFR 63.11468(a), Subpart TTTTTT: Compliance Demonstration
- 1-42 40CFR 63.11468(b), Subpart TTTTTT: Compliance Demonstration
- 1-43 40CFR 63.11468(b), Subpart TTTTTT: Compliance Demonstration
- 1-44 40CFR 63.11469(a), Subpart TTTTTT: Initial notification
- 1-45 40CFR 63.11469(b), Subpart TTTTTT: Notification of Compliance Status
- 1-46 40CFR 63.11469(c), Subpart TTTTTT: Notification of Compliance Status with performance test
- 1-47 40CFR 63.11470, Subpart TTTTTT: Compliance Demonstration
- 1-48 40CFR 63.11471, Subpart TTTTTT: General provisions
- 1-49 40CFR 63.6595(a)(1), Subpart ZZZZ: Compliance date for existing RICE
- 1-50 40CFR 63.6603(a), Subpart ZZZZ: Compliance Demonstration
- 1-51 40CFR 63.6605(a), Subpart ZZZZ: Compliance required at all times
- 1-52 40CFR 63.6605(b), Subpart ZZZZ: Operate and maintain air pollution control and monitoring equipment consistent with good engineering practices
- 1-53 40CFR 63.6625(e), Subpart ZZZZ: Compliance Demonstration
- 1-54 40CFR 63.6625(f), Subpart ZZZZ: Compliance Demonstration
- 1-55 40CFR 63.6625(h), Subpart ZZZZ: Compliance Demonstration
- 1-56 40CFR 63.6625(i), Subpart ZZZZ: Compliance Demonstration
- 1-57 40CFR 63.6625(j), Subpart ZZZZ: Compliance Demonstration
- 1-58 40CFR 63.6640(f), Subpart ZZZZ: Compliance Demonstration
- 1-59 40CFR 63.6655(a), Subpart ZZZZ: Compliance Demonstration
- 1-60 40CFR 63.6655(e), Subpart ZZZZ: Compliance Demonstration
- 1-61 40CFR 63.6655(f), Subpart ZZZZ: Compliance Demonstration
- 1-62 40CFR 63.6660, Subpart ZZZZ: Compliance Demonstration
- 1-63 40CFR 63.6665, Subpart ZZZZ: General provisions

Emission Unit Level

EU=U-ANNE1

- 13 6 NYCRR 212.3 (b): Compliance Demonstration
- 14 6 NYCRR 212.6 (a): Compliance Demonstration

EU=U-ANNE1,Proc=PCK,ES=00S38

- *1-64 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=U-ANNE1,Proc=PCK,ES=00S40

- *1-65 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=U-CAST1,Proc=BP2

- 17 6 NYCRR 212.6 (a): Compliance Demonstration

EU=U-CAST1,EP=00039

- *1-66 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=U-COMB1

- 20 6 NYCRR 227.2 (b) (1): Compliance Demonstration



EU=U-COMB1,EP=00004

21 6 NYCRR 227-1.2 (b): Multiple combustion sources.

EU=U-OVER1,Proc=OVR,ES=00C31

*1-67 6 NYCRR Subpart 201-7: Capping Monitoring Condition

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 30 ECL 19-0301: Contaminant List
- 1-68 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 1-69 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 32 6 NYCRR Subpart 201-5: Emission Unit Definition
- 1-70 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 1-71 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 38 6 NYCRR 211.2: Air pollution prohibited
- 1-72 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

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

EU=U-COMB1,EP=00004

48 6 NYCRR 227-1.2 (a) (2): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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



required to operate such device effectively.

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

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

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

Item K: Open Fires Prohibitions - 6 NYCRR 215.2

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

Item L: Permit Exclusion - ECL 19-0305

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

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

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1-1: Capping condition equation for CO_{2e}



Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-6.1

INVALID FORMAT OF CONDITION IN LIBRARY

Condition 1-2: Facility Permissible Emissions

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-2.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

per year	CAS No: 007446-09-5 (From Mod 1)	PTE: 190,000 pounds
	Name: SULFUR DIOXIDE	
per year	CAS No: 0NY075-00-0 (From Mod 1)	PTE: 180,000 pounds
	Name: PARTICULATES	
per year	CAS No: 0NY075-00-5 (From Mod 1)	PTE: 180,000 pounds
	Name: PM-10	
per year	CAS No: 0NY075-02-5 (From Mod 1)	PTE: 180,000 pounds
	Name: PM 2.5	
per year	CAS No: 0NY210-00-0 (From Mod 1)	PTE: 190,000 pounds
	Name: OXIDES OF NITROGEN	
pounds per year	CAS No: 0NY750-00-0 (From Mod 1)	PTE: 190,000,000
	Name: CARBON DIOXIDE EQUIVALENTS	

Condition 1-3: Capping Monitoring Condition

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-3.1:

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

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



6 NYCRR 201-6.1 (a)
40 CFR 52.21

Item 1-3.2:

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

Item 1-3.3:

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

Item 1-3.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-3.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-3.6:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-CAST1
Process: BP1

Emission Unit: U-CAST1
Process: BP2

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10
CAS No: 0NY075-02-5 PM 2.5
CAS No: 0NY075-00-0 PARTICULATES

Item 1-3.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

These processes are limited to 240 hrs/yr of operation each as a result of an existing federally enforceable special permit condition established to limit particulate



and pm-10 emissions. The facility shall monitor and keep records of by-pass hours for any 12-month rolling period to demonstrate that the 12-month rolling operating hours are below 240 hr/yr. Compliance with the limit shall be used as part of a demonstration of compliance with the 25 tpy annual limit on a 12-month rolling basis for Particulates and 15 tpy on a 12-month rolling basis for PM-10, and compliance with facility cap of 90 tpy for Particulates, PM-10, and PM 2.5.

Any noncompliance with the hours of operation in by-pass mode limit in this condition must be reported by sending a copy of such record to the nysdec, region 6 office, within 30 days of the occurrence.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 240 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-4: Capping Monitoring Condition

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-4.1:

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

6 NYCRR 201-6.1 (a)

Item 1-4.2:

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

Item 1-4.3:

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

Item 1-4.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-4.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-4.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

Item 1-4.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility-wide emissions, including those from permitted, exempt, and trivial sources, of CO₂e for any consecutive 12-month period shall be limited to 95000 tpy. Fuel oil and natural gas usage shall be recorded monthly. This information, shall be used in the equation as specified in the special condition 1-1 of this permit to demonstrate compliance with the limit for any consecutive 12-month period.

Reports will be submitted annually, in a format acceptable to the commissioner's representative, which document that the facility's CO₂e emissions over any consecutive 12-month period were below 95000 tpy. The annual reports must include information that documents the CO₂e emissions from each emission source at the facility, including exempt and trivial activities. The report must also include all emission factors and other data used in calculating the monthly NO_x emissions.

Any noncompliance with the CO₂e emission limit in this condition must be reported by sending a copy of such record to the NYSDEC, region 6 office, within 30 days of the occurrence.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility-wide emissions of Particulates, PM-10 and PM 2.5 for any 12-month rolling period shall be limited to 90 tpy. Fuel oil usage, natural gas usage, hours of operation, and results of control equipment monitoring and recordkeeping shall be recorded monthly. This information, the appropriate AP-42 emission factor and existing stack test information shall be used to demonstrate compliance with the limit. Records on baghouses operation(i.e., B39 and B40) will be maintained on-site. Records on the regular maintenance of mist eliminators (i.e. C29, C30, and C36) and dust collector (i.e. B500) as described in the PM manual will be maintained on-site. In addition, records on the operation of the scrubbers (i.e., C31, S38 and S40), will be maintained on-site .

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-6: Capping Monitoring Condition
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-6.1:

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

40 CFR 52.21

Item 1-6.2:

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

Item 1-6.3:

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

Item 1-6.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an



record to the NYSDEC, Region 6, within 30 days of the occurrence.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 2 inches of water

Upper Permit Limit: 4 inches of water

Monitoring Frequency: DAILY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-7: Capping Monitoring Condition
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-7.1:

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

6 NYCRR 201-6.1

Item 1-7.2:

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

Item 1-7.3:

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

Item 1-7.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-7.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-7.6:

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

Item 1-7.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility-wide emissions of CO₂e for any 12-month rolling period shall be limited to 95000 tpy. The maximum amount of fuel oil that will be burned in any 12 month rolling period is limited in order to verify compliance with the the facility CAP.

Reports will be submitted annually, in a format acceptable to the commissioner's representative, which document that the facility's CO₂e emissions over any consecutive 12-month period were below 95000 tpy. The annual reports must include information that documents the CO₂e emissions from each emission source at the facility, including exempt and trivial activities. The report must also include all emission factors and other data used in calculating the monthly NO_x emissions.

Any noncompliance with the CO₂e emission limit in this condition must be reported by sending a copy of such record to the NYSDEC, region 6 office, within 30 days of the occurrence.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Upper Permit Limit: 3360000 gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-8: Capping Monitoring Condition

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-8.1:

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



otherwise be subject to:

6 NYCRR 201-6.1 (a)

Item 1-8.2:

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

Item 1-8.3:

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

Item 1-8.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-8.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-8.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-8.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility-wide emissions, including those from permitted, exempt, and trivial sources, of NO_x for any consecutive 12-month period shall be limited to 95 tpy. Fuel oil usage, natural gas usage, and hours of operation shall be recorded monthly. This information, the appropriate ap-42 emission factors and stack test information shall be used to demonstrate compliance with the limit with the consecutive 12-month period.

Reports will be submitted annually, in a format acceptable to the commissioner's representative, which document that the facility's NO_x emissions over any consecutive 12-month



period were below 95 tpy. The annual reports must include information that documents the NOx emissions from each emission source at the facility, including exempt and trivial activities. The report must also include all emission factors and other data used in calculating the monthly NOx emissions.

Any noncompliance with the NOx emission limit in this condition must be reported by sending a copy of such record to the NYSDEC, region 6 office, within 30 days of the occurrence.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 1-9: Capping Monitoring Condition
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-9.1:

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

6 NYCRR 201-6.1 (a)

Item 1-9.2:

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

Item 1-9.3:

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

Item 1-9.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



applicable requirement.

Item 1-9.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-9.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-9.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility-wide emissions of SO₂ for any 12-month rolling period shall be limited to 95 tpy. The maximum amount of fuel oil that will be burned in any 12 month rolling period is limited in order to verify compliance with the the facility CAP.

Reports will be submitted annually, in a format acceptable to the commissioner's representative, which document that the facility's SO₂ emissions over any consecutive 12-month period were below 95 tpy. The annual reports must include information that documents the SO₂ emissions from each emission source at the facility, including exempt and trivial activities. The report must also include all emission factors and other data used in calculating the monthly SO₂ emissions.

Any noncompliance with the SO₂ and NO_x emission limit in this condition must be reported by sending a copy of such record to the NYSDEC, region 6 office, within 30 days of the occurrence.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: FUEL OIL

Upper Permit Limit: 3360000 gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-10: Capping Monitoring Condition



Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-10.1:

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

6 NYCRR 201-6.1 (a)

Item 1-10.2:

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

Item 1-10.3:

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

Item 1-10.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-10.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-10.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-10.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility-wide emissions of SO₂ for any 12-month rolling period shall be limited to 95 tpy. Fuel oil usage, natural gas usage and hours of operation shall be recorded monthly. In addition the sulfur content of the



CAS No: 0NY075-00-0 PARTICULATES

Item 1-12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.15 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: 0.15 grains per dscf

Reference Test Method: EPA Method 5

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-13: Compliance Demonstration

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 1-13.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-13.2:

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 investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.



The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-14: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 225-1.2 (b)

Item 1-14.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires oil are limited to the firing of oil with a sulfur content of 1.50% sulfur through June 30, 2014.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.50 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-15: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 225-1.2 (e)

Item 1-15.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires residual oil are limited to the purchase of residual oil with a sulfur content of 0.50% sulfur on or after July 1, 2014 and to the firing of residual oil with a sulfur content of 0.50% on or after July 1, 2016.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.50 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 1-16: Record Availability
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.6 (d)

Item 1-16.1: Facility owners required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the Department.

Condition 1-17: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.6 (f)

Item 1-17.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 1-17.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance takes place.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

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

Condition 8: Compliance Demonstration
Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Part 226



Item 8.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

6NYCRR 226. Requirements for Cold Cleaning Degreasers
(Non Title V after 12/31/2003)

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning:

- (1) A cover which can be operated easily.
- (2) An internal drainage facility (under cover), if practical.
- (3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply to remote reservoir degreasers.
- (4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 C.

B. Operating Requirements:

When cold cleaning, the clean parts must be drained at least 15 seconds or until dripping ceases.

C. General Requirements:

A Person conducting solvent metal cleaning must:

- (1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
- (2) Maintain equipment to minimize leaks and fugitive emissions.
- (3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.
- (4) Keep the degreaser cover closed except when:
 - (a) parts are being placed into or being removed from the degreaser;



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 investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the Method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up Method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 9: Corrective action.

Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.6 (a)

Item 9.1:

Any facility found in violation of the provisions of this Part shall not cause, permit, or allow the operation of the affected stationary combustion installation unless:

- (1) it is equipped with approved emission control equipment;
- (2) it is rehabilitated or upgraded in an approved manner; or
- (3) the fuel is changed to an acceptable type.



Condition 10: Corrective action.
Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.6 (b)

Item 10.1:

The commissioner may seal the affected stationary combustion installation that does not comply with the provisions in subdivision 6 NYCRR 227-1.6(a) within the time provided.

Condition 11: Corrective action.
Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.6 (c)

Item 11.1:

No person shall cause, permit, or allow the operation of any affected stationary combustion installation sealed by the commissioner in accordance with this section.

Condition 12: Corrective action.
Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.6 (d)

Item 12.1:

No person except the commissioner or his representative shall remove, tamper with, or destroy any seal affixed to any affected stationary combustion installation.

Condition 1-19: Compliance date for management practices
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11196(a)(1), Subpart JJJJJJ

Item 1-19.1:

The owner or operator of an existing affected boiler that is subject to a work practice or management practice standard of a tune-up must achieve compliance with this work practice or management practice standard no later than March 21, 2014.

Condition 1-20: Compliance date for energy assessment
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11196(a)(3), Subpart JJJJJJ

Item 1-20.1:

The owner or operator of an existing affected boiler that is subject to the energy assessment requirement must achieve compliance with the energy assessment requirement no later than March 21, 2014.

Condition 1-21: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date



Applicable Federal Requirement:40CFR 63.11201(b), Subpart JJJJJJ

Item 1-21.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing coal-fired boiler with heat input capacity of less than 10 MMBtu/hr that do not meet the definition of limited-use boiler, or use an oxygen trim system that maintains an optimum air-to-fuel ratio, existing oil-fired boiler with heat input capacity greater than 5 MMBtu/hr that do not meet the definition of seasonal boiler or limited-use boiler, or use an oxygen trim system that maintains an optimum air-to-fuel ratio, or existing biomass-fired boiler that do not meet the definition of seasonal boiler or limited-use boiler, or use an oxygen trim system that maintains an optimum air-to-fuel ratio must conduct an initial tune-up as specified in 40 CFR 63.11214, and conduct a tune-up of the boiler biennially as specified in 40 CFR 63.11223

Monitoring Frequency: EVERY TWO YEARS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-22: Compliance Demonstration

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11201(b), Subpart JJJJJJ

Item 1-22.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing coal-fired, biomass-fired, or oil-fired boiler (units with heat input capacity of 10 MMBtu/hr and greater), not including limited-use boilers must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment



requirements in table 2 of subpart JJJJJJ satisfies the energy assessment requirement. Energy assessor approval and qualification requirements are waived in instances where past or amended energy assessments are used to meet the energy assessment requirements. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement.

The energy assessment must include the following with extent of the evaluation for items (1) to (4) appropriate for the on-site technical hours listed in 40 CFR 63.11237:

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints,
- (3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures that are within the facility's control,
- (6) A list of the energy savings potential of the energy conservation measures identified, and
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-23: Good air pollution control practices
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11205(a), Subpart JJJJJJ

Item 1-23.1:



At all times the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Condition 1-24: Initial compliance with management practices for existing sources

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11210(c), Subpart JJJJJJ

Item 1-24.1:

For existing affected boilers that have applicable work practice standards, management practices, or emission reduction measures, the owner or operator must demonstrate initial compliance no later than the compliance date that is specified in 40 CFR 63.11196 and according to the applicable provisions in 40 CFR 63.7(a)(2), except as provided in 40 CFR 63.11210(j).

Condition 1-25: Compliance Demonstration

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11214(c), Subpart JJJJJJ

Item 1-25.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing affected boiler with a heat input capacity of 10 million Btu per hour or greater must submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed according to Table 2 to subpart JJJJJJ and is an accurate depiction of his/her facility.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-26: Compliance Demonstration

Effective between the dates of 05/16/2013 and Permit Expiration Date



Applicable Federal Requirement:40CFR 63.11223(a), Subpart JJJJJJ

Item 1-26.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For affected sources subject to the work practice standard or the management practices of a tune-up, the owner or operator must conduct a performance tune-up according to 40 CFR 63.11223(b) and keep records as required in 40 CFR 63.11225(c) to demonstrate continuous compliance. The owner or operator must conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-27: Notifications

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11225(a), Subpart JJJJJJ

Item 1-27.1:

The owner or operator must submit the notifications specified in paragraphs (1) through (5) to the delegated authority.

(1) The owner or operator must submit all of the notifications in 40 CFR 63.7(b); 63.8(e) and (f); and 63.9(b) through (e), (g), and (h) that apply to him/her by the dates specified in those sections except as specified in paragraphs (2) and (4).

(2) An Initial Notification must be submitted no later than January 20, 2014 or within 120 days after the source becomes subject to the standard.

(3) If the owner or operator is required to conduct a performance stack test he/she must submit a Notification of Intent to conduct a performance test at least 60 days before the performance stack test is scheduled to begin.

(4) The owner or operator must submit the Notification of Compliance Status no later than 120 days after the applicable compliance date specified in 40 CFR 63.11196 unless he/she must conduct a performance stack test. If the owner or operator must conduct a performance stack



test, he/she must submit the Notification of Compliance Status within 60 days of completing the performance stack test. The owner or operator must submit the Notification of Compliance Status in accordance with paragraphs (i) and (vi). The Notification of Compliance Status must include the information and certification(s) of compliance in paragraphs (i) through (v), as applicable, and signed by a responsible official.

(i) The owner or operator must submit the information required in 40 CFR 63.9(h)(2), except the information listed in 40 CFR 63.9(h)(2)(i)(B), (D), (E), and (F). If the owner or operator conducts any performance tests or CMS performance evaluations, he/she must submit that data as specified in paragraph (e). If the owner or operator conducts any opacity or visible emission observations, or other monitoring procedures or methods, he/she must submit that data to the Administrator at the appropriate address listed in 40 CFR 63.13.

(ii) "This facility complies with the requirements in 40 CFR 63.11214 to conduct an initial tune-up of the boiler."

(iii) "This facility has had an energy assessment performed according to 40 CFR 63.11214(c)."

(iv) For units that install bag leak detection systems: "This facility complies with the requirements in 40 CFR 63.11224(f)."

(v) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."

(vi) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to subpart JJJJJ is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in 40 CFR 63.13.

(5) If the owner or operator is using data from a previously conducted emission test to serve as documentation of conformance with the emission standards and operating limits of subpart JJJJJ, he/she must include in the Notification of Compliance Status the date of the test and a summary of the results, not a complete test report, relative to subpart JJJJJ.

Condition 1-28: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.11225(b), Subpart JJJJJ

Item 1-28.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous



calendar year containing the information specified in paragraphs (1) through (4). The owner or operator must submit the report by March 15 if he/she had any instance described by paragraph (3). For boilers that are subject only to a requirement to conduct a biennial or 5- year tune-up according to 40 CFR 63.11223(a) and not subject to emission limits or operating limits, the owner or operator may prepare only a biennial or 5-year compliance report as specified in paragraphs (1) and (2).

(1) Company name and address.

(2) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of subpart JJJJJJ. The owner's or operator's notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility complies with the requirements in 40 CFR 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

(ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."

(iii) "This facility complies with the requirement in 40 CFR 63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."

(3) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

(4) The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by you or EPA through a petition process to be a non-waste under 40 CFR 241.3(c), whether the fuel(s) were processed from discarded non-hazardous



secondary materials within the meaning of 40 CFR 241.3,
and the total fuel usage amount with units of measure.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-29: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.11225(c), Subpart JJJJJ

Item 1-29.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an industrial, commercial, or institutional boiler must maintain the records specified in paragraphs (1) through (7).

(1) As required in 40 CFR 63.10(b)(2)(xiv), the owner or operator must keep a copy of each notification and report that he/she submitted to comply with subpart JJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that he/she submitted.

(2) The owner or operator must keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR 63.11214 and 40 CFR 63.11223 as specified in paragraphs (i) through (vi).

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(ii) For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 CFR 241.3(b)(1), the owner or operator must keep a record which documents how the secondary material meets each of the legitimacy criteria under 40 CFR 241.3(d)(1). If the owner or operator combusts a fuel that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR 241.3(b)(4), he/she must keep records as to how the operations that produced the fuel satisfies the definition



of processing in 40 CFR 241.2 and each of the legitimacy criteria in 40 CFR 241.3(d)(1). If the fuel received a non-waste determination pursuant to the petition process submitted under 40 CFR 241.3(c), the owner or operator must keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust nonhazardous secondary materials as fuel per 40 CFR 241.4, the owner or operator must keep records documenting that the material is a listed non-waste under 40 CFR 241.4(a).

(iii) For each boiler required to conduct an energy assessment, the owner or operator must keep a copy of the energy assessment report.

(iv) For each boiler subject to an emission limit in Table 1 to subpart JJJJJ, the owner or operator must also keep records of monthly fuel use by each boiler, including the type(s) of fuel and amount(s) used.

(v) For each boiler that meets the definition of seasonal boiler, the owner or operator must keep records of days of operation per year.

(vi) For each boiler that meets the definition of limited-use boiler, the owner or operator must keep a copy of the federally enforceable permit that limits the annual capacity factor to less than or equal to 10 percent and records of fuel use for the days the boiler is operating.

(3) For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation that were done to demonstrate compliance with the mercury emission limits. Supporting documentation should include results of any fuel analyses. The owner or operator can use the results from one fuel analysis for multiple boilers provided they are all burning the same fuel type.

(4) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

(6) The owner or operator must keep the records of all



inspection and monitoring data required by 40 CFR 63.11221 and 63.11222, and the information identified in paragraphs (i) through (vi) for each required inspection or monitoring.

(i) The date, place, and time of the monitoring event.

(ii) Person conducting the monitoring.

(iii) Technique or method used.

(iv) Operating conditions during the activity.

(v) Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation.

(vi) Maintenance or corrective action taken (if applicable).

(7) If the owner or operator uses a bag leak detection system, he/she must keep the records specified in paragraphs (i) through (iii).

(i) Records of the bag leak detection system output.

(ii) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings.

(iii) The date and time of all bag leak detection system alarms, and for each valid alarm, the time the owner or operator initiated corrective action, the corrective action taken, and the date on which corrective action was completed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-30: Form of records

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11225(d), Subpart JJJJJJ



Emission Unit: U-CAST1 Emission Point: 00040
Process: BH2

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

Item 1-33.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an affected source that commenced construction on or before September 20, 2007 must comply with either a control efficiency limit or an outlet concentration limit for PM by routing emissions from each affected source through a fabric filter or baghouse. The control must achieve an outlet PM concentration limit of 0.015 gr/dscf. Each performance test must be performed according to the test methods and requirements listed in 40 CFR 11466(c).

Upper Permit Limit: 0.015 grains per dscf

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-34: Compliance Demonstration

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11465(a), Subpart TTTTTT

Item 1-34.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-CAST1
Process: BP1

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

Item 1-34.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an affected source that commenced construction on or before September 20, 2007 must comply with either a control efficiency limit or an outlet concentration limit for PM by routing emissions



from each affected source through appropriate control. The control must achieve an outlet PM concentration limit of 0.015 gr/dscf. Each performance test must be performed according to the test methods and requirements listed in 40 CFR 11466(c). The owner or operator shall conduct a performance test within 90 days of the issuance of this permit.

If the results of the test indicate that the facility cannot meet the emission limits of this condition they will modify this process and permit, in order to meet the limit.

Upper Permit Limit: .015 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-35: Compliance Demonstration

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11465(a), Subpart TTTTTT

Item 1-35.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-CAST1

Process: BP1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain emission from this process to not exceed .015 grains per dscf limit if it was verified during the stack test.

Records will be kept indicating the operation of the furnaces during this process, in a format acceptable to the department. These records will be submitted to the department at the frequently listed below, and document the furnaces operation that is occurring during this process.

Any noncompliance with the furnace operation monitored in



this condition must be reported by sending a copy of such record to the NYSDEC, Region 6, within 30 days of the occurrence, including the amount of excess emissions that occurred, during noncompliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-36: Performance test requirements
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11466, Subpart TTTTTT

Item 1-36.1:

This Condition applies to:

Emission Unit: UCAST1
Process: BH1

Emission Unit: UCAST1
Process: BH2

Emission Unit: UCAST1
Process: BP1

Emission Unit: UCAST1
Process: BP2

Item 1-36.2:

Except as specified in paragraph below, the owner or operator of an existing or new affected source must conduct a performance test for each affected source within 180 days of the compliance date and report the results in the notification of compliance status.

The owner or operator of an existing affected source is not required to conduct a performance test if a prior performance test was conducted within the past five years of the compliance date using the same methods specified in paragraph (c) below and he/she meets either of the following two conditions:

- (1) No process changes have been made since the test; or
- (2) The owner or operator demonstrates that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process changes.

The owner or operator must conduct each performance test according to the requirements in 40 CFR 63.7 and paragraphs (1) and (2).



(1) Determine the concentration of PM according to the following test methods in 40 CFR part 60, appendices:

(i) Method 1 or 1A (Appendix A-1) to select sampling port locations and the number of traverse points in each stack or duct. Sampling sites must be located at the outlet of the control device and prior to any releases to the atmosphere.

(ii) Method 2, 2A, 2C, 2F, or 2G (Appendices A-1 and A-2) to determine the volumetric flow rate of the stack gas.

(iii) Method 3, 3A, or 3B (Appendix A-2) to determine the dry molecular weight of the stack gas. The owner or operator may use ANSI/ASME PTC 19.10-1981, "Flue and Exhaust Gas Analyses" (incorporated by reference-see §63.14) as an alternative to EPA Method 3B.

(iv) Method 4 (Appendix A-3) to determine the moisture content of the stack gas.

(v) Method 5 or 17 (Appendix A-3) to determine the concentration of particulate matter (front half filterable catch only). Three valid test runs are needed to comprise a performance test.

(2) During the test, the owner or operator must operate each emissions source within ± 10 percent of its normal process rate. He/she must monitor and record the process rate during the test.

Condition 1-37: Initial compliance

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11467(a), Subpart TTTTTT

Item 1-37.1:

The owner or operator must demonstrate initial compliance with the applicable standards in 40 CFR 63.11465 by submitting a Notification of Compliance Status in accordance with 40 CFR 63.11469(b).

Condition 1-38: Initial inspection of baghouse

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11467(c), Subpart TTTTTT

Item 1-38.1:

This Condition applies to:

Emission Unit: UCAST1

Process: BH1

Emission Source: 00B39

Emission Unit: UCAST1

Process: BH2

Emission Source: 00B40

Item 1-38.2:

For each existing and new affected source, the owner or operator must conduct an initial inspection of each baghouse. He/she must visually inspect the system ductwork and baghouse

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



unit for leaks. Except as specified in 40 CFR 63.11467(e), the owner or operator must also inspect the inside of each baghouse for structural integrity and fabric filter condition. The owner or operator must record the results of the inspection and any maintenance action as required in 40 CFR 63.11470. The results of these inspections must be included in the Notification of Compliance Status.

Condition 1-39: Inspection of internal components of a baghouse
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11467(e), Subpart TTTTTT

Item 1-39.1:

This Condition applies to:

Emission Unit: UCAST1
Process: BH1 Emission Source: 00B39

Emission Unit: UCAST1
Process: BH2 Emission Source: 00B40

Item 1-39.2:

An initial inspection of the internal components of a baghouse is not required if an inspection has been performed within the past 12 months.

Condition 1-40: Date of Notification of Compliance Status for sources with a performance test requirement
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11467(g), Subpart TTTTTT

Item 1-40.1:

The owner or operator of an existing affected source that is required to conduct a performance test under 40 CFR 63.11466 must submit the Notification of Compliance Status within 60 days after completing the performance test.

Condition 1-41: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11468(a), Subpart TTTTTT

Item 1-41.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-CAST1
Process: BH1 Emission Source: 00B39

Emission Unit: U-CAST1
Process: BH2 Emission Source: 00B40

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Item 1-41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing affected source must demonstrate compliance by conducting the monitoring activities in paragraph (1) or (2):

(1) He/she must perform periodic inspections and maintenance of each baghouse according to the requirements in paragraphs (i) and (ii).

(i) He/she must conduct weekly visual inspections of the system ductwork for leaks.

(ii) He/she must conduct inspections of the interior of the baghouse for structural integrity and to determine the condition of the fabric filter every 12 months.

(2) As an alternative to the monitoring requirements in paragraph (1) above, the owner or operator may demonstrate compliance by conducting a daily 30-minute visible emissions (VE) test (i.e., no visible emissions) using EPA Method 22 (40 CFR part 60, appendix A-7).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-42: Compliance Demonstration

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11468(b), Subpart TTTTTT

Item 1-42.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-CAST1

Emission Point: 00039

Process: BH1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-42.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the results of the visual inspection or VE test conducted under 40 CFR 63.11468(a) indicate a problem with the operation of the baghouse, including but not limited to air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions, the owner or operator must take appropriate corrective action to return the baghouse to normal operation according to the equipment manufacturer's specifications or instructions and record the corrective action taken, including operating in bypass mode(Process BP2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-43: Compliance Demonstration

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11468(b), Subpart TTTTTT

Item 1-43.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-CAST1 Emission Point: 00040
Process: BH2

Emission Unit: U-CAST1 Emission Point: 00040
Process: BP2

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

Item 1-43.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the results of the visual inspection or VE test conducted under 40 CFR 63.11468(a) indicate a problem with the operation of the baghouse, including but not limited to air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions, the owner or operator must take immediate corrective action to return the baghouse to normal operation according to the equipment manufacturer's



specifications or instructions and record the corrective action taken.

Corrective actions may include, but are not limited to the following:

- (i) Sealing off defective bags or filter media;
- (ii) Replacing defective bags or filter media or otherwise repairing the control device;
- (iii) Sealing off a defective fabric filter compartment;
- (iv) shutdown the pouring of brass (i.e. furnaces idled) producing the PM emissions within 3 hours of the problem discovery, unless the malfunction can be corrected within this time frame.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 1-44: Initial notification

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11469(a), Subpart TTTTTT

Item 1-44.1:

The owner or operator must submit the Initial Notification required by 40 CFR 63.9(b)(2) no later than 120 days after the applicable compliance date specified in 40 CFR 63.11464. The Initial Notification must include the information specified in 40 CFR 63.9(b)(2)(i) through (iv) and may be combined with the Notification of Compliance Status required in 40 CFR 63.11467 and 40 CFR 63.11469(b) if the owner or operator chooses to submit both notifications within 120 days.

Condition 1-45: Notification of Compliance Status

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11469(b), Subpart TTTTTT

Item 1-45.1:

The owner or operator must submit a Notification of Compliance Status in accordance with 40 CFR 63.9(h) and the requirements in 40 CFR 63.11469(c) and (d). In addition to the information required in 40 CFR 63.9(h)(2), 63.11466, and 63.11467, the notification must include the



following certification(s) of compliance, as applicable, and signature of a responsible official:

(1) This certification of compliance by the owner or operator of an existing affected source who is relying on a previous performance test: "This facility complies with the control efficiency requirement [or the outlet concentration limit] in 40 CFR 63.11465 based on a previous performance test in accordance with 40 CFR 63.11466."

(2) This certification of compliance by the owner or operator of any new or existing affected source: "This facility has conducted an initial inspection of each control device according to the requirements in 40 CFR 63.11467, will conduct periodic inspections and maintenance of control devices in accordance with 40 CFR 63.11468, and will maintain records of each inspection and maintenance action required by 40 CFR 63.11470."

(3) This certification of compliance by the owner or operator of a new affected source: "This facility has an approved bag leak detection system monitoring plan in accordance with 40 CFR 63.11468(c)(2)."

**Condition 1-46: Notification of Compliance Status with performance test
Effective between the dates of 05/16/2013 and Permit Expiration Date**

Applicable Federal Requirement:40CFR 63.11469(c), Subpart TTTTTT

Item 1-46.1:

The owner or operator of an affected source that is required to conduct a performance test under 40 CFR 63.11466 must submit a Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test.

**Condition 1-47: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date**

Applicable Federal Requirement:40CFR 63.11470, Subpart TTTTTT

Item 1-47.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-47.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep the records specified in paragraphs (1) and (2).

(1) As required in 40 CFR 63.10(b)(2)(xiv), the owner or operator must keep a copy of each notification that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.



(2) The owner or operator must keep the records of all inspection and monitoring data required by 40 CFR 63.11467 and 63.11468, and the information identified in paragraphs (i) through (v) for each required inspection or monitoring.

- (i) The date, place, and time;
- (ii) Person conducting the activity;
- (iii) Technique or method used;
- (iv) Operating conditions during the activity; and
- (v) Results.

The records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1) and kept for five years following the date of each recorded action as specified in 40 CFR 63.10(b)(1). Each record must be kept onsite for at least two years following the date of each recorded action according to 40 CFR 63.10(b)(1) while the remaining three years may be retained offsite.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 1-48: General provisions
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11471, Subpart TTTTTT

Item 1-48.1:

Table 1 subpart TTTTTT shows which parts of the General Provisions in 40 CFR 63.1 through 63.16 apply to affected sources.

Condition 1-49: Compliance date for existing RICE
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6595(a)(1), Subpart ZZZZ

Item 1-49.1:

The owner or operator of an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. The owner or operator of an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary CI RICE located



at an area source of HAP emissions must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. The owner or operator of an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

Condition 1-50: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ

Item 1-50.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-50.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing emergency and black start spark ignition stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-51: Compliance required at all times
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6605(a), Subpart ZZZZ



Item 1-51.1:

Facility must be in compliance with the emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ that apply to them at all times.

Condition 1-52: Operate and maintain air pollution control and monitoring equipment consistent with good engineering practices
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6605(b), Subpart ZZZZ

Item 1-52.1:

Facility must operate and maintain its stationary RICE, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction.

Condition 1-53: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6625(e), Subpart ZZZZ

Item 1-53.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-53.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any of the following stationary RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

- (1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions;
- (2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions;
- (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;
- (4) An existing non-emergency, non-black start stationary compression ignition RICE with a site rating less than or



equal to 300 brake horsepower located at an area source of HAP emissions;

(5) An existing non-emergency, non-black start 2 stroke lean burn stationary RICE located at an area source of HAP emissions;

(6) An existing non-emergency, non-black start stationary RICE located at an area source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

(7) An existing non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(8) An existing non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(9) An existing, non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year; and

(10) An existing, non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-54: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6625(f), Subpart ZZZZ

Item 1-54.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-54.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of an existing emergency stationary

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, must install a non-resettable hour meter if one is not already installed.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 1-55: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6625(h), Subpart ZZZZ

Item 1-55.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-55.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

For operation of a new, reconstructed, or existing stationary engine, the engine's time spent at idle must be minimized during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 CFR 63 Subpart ZZZZ apply.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-56: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6625(i), Subpart ZZZZ

Item 1-56.1:

The Compliance Demonstration activity will be performed for the Facility.



Item 1-56.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to subpart ZZZZ or in items 1 or 4 of Table 2d to subpart ZZZZ has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-57: Compliance Demonstration

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6625(j), Subpart ZZZZ

Item 1-57.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-57.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

The owner or operator of a stationary SI engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c to subpart ZZZZ or in items 5, 6, 7, 9, or 11 of Table 2d to subpart ZZZZ has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-58: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.6640(f), Subpart ZZZZ

Item 1-58.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-58.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emergency stationary RICE must operate the emergency stationary RICE according to the requirements in 40 CFR 63.6640(f)(1) through (4). In



order for the engine to be considered an emergency stationary RICE under subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR 63.6640(f)(1) through (4), is prohibited. If the owner or operator does not operate the engine according to the requirements in 40 CFR 63.6640(f)(1) through (4), the engine will not be considered an emergency engine under subpart ZZZZ and must meet all requirements for non-emergency engines.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-59: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6655(a), Subpart ZZZZ

Item 1-59.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-59.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must keep the records described in paragraphs (1) through (5).

(1) A copy of each notification and report that the owner or operator submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that he/she submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.



(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-60: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6655(e), Subpart ZZZZ

Item 1-60.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-60.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that he/she operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan for the following stationary RICE;

(1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions.

(2) An existing stationary emergency RICE.

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to subpart ZZZZ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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



Condition 1-61: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6655(f), Subpart ZZZZ

Item 1-61.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-61.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operation of any of the stationary RICE in paragraphs (1) or (2) below, requires the owner/operator to keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-62: Compliance Demonstration
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6660, Subpart ZZZZ

Item 1-62.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-62.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 1-63: General provisions

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ

Item 1-63.1:

Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.

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

Condition 13: Compliance Demonstration

Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.3 (b)

Item 13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-ANNE1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 13.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.15 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: 0.15 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 14: Compliance Demonstration
Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-ANNE1

Item 14.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions when the process is in operation. If any visible emissions are identified, corrective action is required. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-64: Capping Monitoring Condition

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 1-64.1:

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

6 NYCRR 201-6.1 (a)
40 CFR 52.21

Item 1-64.2:

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

Item 1-64.3:

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

Item 1-64.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-64.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-64.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-ANNE1

Process: PCK

Emission Source: 00S38

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-64.7:



Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The owner or operator shall use a flow meter to verify the water flow to the scrubber used to control particulate emissions from this source. The flow rate will be measured and recorded once per day to verify that the control device is operating properly, in order to meet the CAP.

Reports will be submitted semi- annually, in a format acceptable to the commissioner's representative, which document the facility's flow meter readings are within the limits stated below. The semi-annual reports must include information that documents the water flow rate readings for the scrubber.

Any noncompliance with the water flow rate limit in this condition must be reported by sending a copy of such record to the NYSDEC, Region 6, within 30 days of the occurrence.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 270 gallons per minute

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-65: Capping Monitoring Condition
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-65.1:

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

6 NYCRR 201-6.1 (a)
40 CFR 52.21

Item 1-65.2:

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

Item 1-65.3:

The owner or operator of the permitted facility must maintain all required records on-site for a

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Permit Limit: 86 gallons per minute
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 17: Compliance Demonstration
Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-CAST1
Process: BP2

Item 17.2:

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 minute of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall require the source owner to only operate copper-pouring operation in this process (i.e. bypass mode), with induction furnaces number 2056 and 2057. As such, the facility will keep records of material thruput during operation in by-pass mode. Facility shall provide a report demonstrating compliance with this requirement to the NYSDEC Region 6 Office by the reporting deadlines contained below.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

Condition 1-66: Capping Monitoring Condition
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-66.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to



the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40 CFR 52.21

Item 1-66.2:

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

Item 1-66.3:

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

Item 1-66.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-66.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-66.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-CAST1	Emission Point: 00039
Regulated Contaminant(s):	
CAS No: 0NY075-00-5	PM-10
CAS No: 0NY075-00-0	PARTICULATES

Item 1-66.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emissions from emission unit processes BH1 and BP1 for any consecutive 12-month annual rolling period shall be limited to 25 tpy for particulates and 15 tpy for PM-10. Production information, control equipment monitoring, and emission factors developed for Particulates and PM-10 from recent stack tests shall be used to calculate emissions from the process sources.



Reports will be submitted annually, in a format acceptable to the commissioner's representative, which document that the facility's processes Particulate emissions over any consecutive 12 month period were below 25 tpy and below 15 tpy for PM-10. The annual reports must include information that documents the Particulate and PM-10 emissions from the processes indicated above. The report must also include all emission factors and other data used in calculating the monthly Particulate and PM-10 emissions.

Any noncompliance with the Particulate and PM-10 emission limit in this condition must be reported by sending a copy of such record to the NYSDEC, Region 6, within 30 days of the occurrence.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 20: Compliance Demonstration
Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227.2 (b) (1)

Item 20.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-COMB1

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:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

Upon request the facility shall perform the following:

1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this



condition.

2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.

4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA RM 5

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 21: Multiple combustion sources.
Effective between the dates of 08/16/2005 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR 227-1.2 (b)

Item 21.1:

This Condition applies to Emission Unit: U-COMB1 Emission Point: 00004

Item 21.2:

The total heat input of all furnaces connected to the same stack or pollution control device shall be used to calculate the permissible particulate emission rate.

**Condition 1-67: Capping Monitoring Condition
Effective between the dates of 05/16/2013 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-67.1:

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

6 NYCRR 201-6.1 (a)
40 CFR 52.21

Item 1-67.2:

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



Item 1-67.3:

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

Item 1-67.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-67.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-67.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-OVER1

Process: OVR

Emission Source: 00C31

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-67.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The owner or operator shall use a flow meter to verify the water flow to the scrubber used to control particulate emissions from this source. The flow rate will be measured and recorded once per day to verify that the control device is operating properly, in order to meet the CAP.

Reports will be submitted semi- annually, in a format acceptable to the commissioner's representative, which document the facility's flow meter readings are within the limits stated below. The semi-annual reports must include information that documents the water flow rate readings for the scrubber.

Any noncompliance with the water flow rate limit in this condition must be reported by sending a copy of such

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



record to the NYSDEC, Region 6, within 30 days of the occurrence.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 400 gallons per minute

Upper Permit Limit: 700 gallons per minute

Monitoring Frequency: DAILY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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 - 6 NYCRR 201-1.10 (a)

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.



Condition 30: Contaminant List

Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 30.1:

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

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

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

CAS No: 0NY075-00-5
Name: PM-10

CAS No: 0NY075-02-5
Name: PM 2.5

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

CAS No: 0NY750-00-0
Name: CARBON DIOXIDE EQUIVALENTS

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

Condition 1-68: Malfunctions and start-up/shutdown activities

Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

Item 1-68.1:

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

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or



operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

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

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

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

Condition 1-69: Unavoidable noncompliance and violations
Effective between the dates of 05/16/2013 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

Item 1-69.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in



writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 32: Emission Unit Definition
Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 32.1(From Mod 1):

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

Emission Unit: U-ANNE1

Emission Unit Description:

This EU encompasses thirteen annealing units (Lee Wilson machine nos. 1729 to 1734, Ebner machine nos. 2383 to 2386, bright anneal machine no. 1154, strand anneal machine no. 1738, and tray style/coil anneal machine no. 464 entry and exit) used to anneal copper and copper alloy sheets from the rolling mills. All annealing units except for the tray style/coil anneal are located in the rolling mill. The Lee Wilson, Ebner, bright, strand, tray style/coil entry and tray style/coil exit exhaust through EPs 00369, 00440, 00367, 00027, 00189, and 00190 respectively. This emissions unit also encompasses two sulfuric acid pickling lines (machines 1738 and 1740) used to clean copper and copper alloy sheets. Machine nos. 1738 exhaust through EP 00027, machine no. 1740 exhausts through EP 00028. The particulate emissions (acid mists) are controlled by wet scrubbers.

Building(s): 1
51



Item 32.2(From Mod 1):

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

Emission Unit: U-CAST1

Emission Unit Description:

This Emission Unit encompasses the emissions from five induction furnaces (machine nos. 1187, 1799, 2443, 2056, and 2057). All of the furnaces are used to recycle (ie melt and pour) post consumer copper and copper alloy materials, including brass. The billet induction furnace (1187) forms cylindrical billets. The remaining furnaces produce ingots and rectangular cakes. Furnaces 1187, 1799, and 2443 exhaust through ep 000039 and furnaces 2056 and 2057 exhaust through ep 00040. The particulate emissions are controlled by cyclones and baghouses. In addition, federally enforceable special permit conditions exist for these emission points to limit the particulate emissions.

Building(s): 21

Item 32.3(From Mod 1):

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

Emission Unit: U-COMB1

Emission Unit Description:

This emission unit (EU) encompasses boilers 1, 2 & 3 located at the boiler house. Boilers 1 and 2 (42.0 mmbtu/hr boilers) exhaust through emission point (EP) 00004. Boiler 3 (57.2 mmbtu/hr boiler) exhausts through EP00003. Each boiler is dual-fueled (natural gas as the primary fuel and no. 6 fuel oil as the back-up fuel). Sulfur dioxide emissions are capped by restricting no. 6 fuel oil usage from all three boilers.

Building(s): 15

Item 32.4(From Mod 1):

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

Emission Unit: U-FURN1

Emission Unit Description:

This EU encompasses the walking beam furnace (machine no. 1701) used to preheat copper and copper alloy cake prior to hot rolling. The furnace is fired by natural gas and has a maximum heat input rating of 51.8 mmbtu/hr. The emissions exhaust through ep 00041.

Building(s): 51

Item 32.5(From Mod 1):

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

Emission Unit: U-GRANC

Emission Unit Description:



This emission unit consists of a 16 MMBtu/hr natural gas-fired furnace, for heating billets before metal extrusion process. The furnace was installed in 1983, therefore, it was previously exempt from permitting under 6 NYCRR 201-3.2(c)(2).

Building(s): 1

Item 32.6(From Mod 1):

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

Emission Unit: U-OVER1

Emission Unit Description:

This EU encompasses the overhauler (machine no. 1715) used to shave the outside surface of copper alloy materials with cutter blades. This process produces chips and shavings, which are collected inside the exhaust system and sent back to the cast shop for remelting. The emissions exhaust through ep 00031. The particulate emissions are controlled by a wet scrubber/rotoclone.

Building(s): 51

Item 32.7(From Mod 1):

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

Emission Unit: U-PTNRM

Emission Unit Description:

The EU encompasses the emissions from the sanding and coating processes in the patina room.

Building(s): 1

Item 32.8(From Mod 1):

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

Emission Unit: U-ROLL1

Emission Unit Description:

This EU encompasses five rolling mills (machine nos. 1176, 1706, 1721, 1723, and 1724), which use lubricating/metalworking fluid in the rolling of copper and copper alloy sheets. Machine nos. 1176, 1706, 1721, 1723, and 1724 exhaust through eps 00036, 00 029, 00026, and 00025 respectively. Each mill emits a small amount of lubricating/metalworking fluid. The emissions from eps 00029, 00030, and 00036 are controlled by two mist eliminators and a baffle chamber respectively.

Building(s): 51

Condition 1-70: Renewal deadlines for state facility permits
Effective between the dates of 05/16/2013 and Permit Expiration Date

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

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



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.

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

Condition 39: Emission Point Definition By Emission Unit
Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 39.1(From Mod 1):

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

Emission Unit: U-CAST1

Emission Point: 00039

Height (ft.): 50 Diameter (in.): 48
NYTMN (km.): 4784.058 NYTME (km.): 464.32 Building: 21

Emission Point: 00040

Height (ft.): 50 Diameter (in.): 48
NYTMN (km.): 4784.023 NYTME (km.): 464.28 Building: 21

Item 39.2(From Mod 1):

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

Emission Unit: U-COMB1

Emission Point: 00003

Height (ft.): 60 Diameter (in.): 50
NYTMN (km.): 4784.075 NYTME (km.): 464.495 Building: 15

Emission Point: 00004

Height (ft.): 150 Diameter (in.): 84
NYTMN (km.): 4784.091 NYTME (km.): 464.5 Building: 15

Item 39.3(From Mod 1):

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

Emission Unit: U-FURN1

Emission Point: 00041

Height (ft.): 60 Diameter (in.): 51
NYTMN (km.): 4783.782 NYTME (km.): 464.726 Building: 51

Item 39.4(From Mod 1):

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

Emission Unit: U-GRANC



Emission Point: 00180
Height (ft.): 45 Diameter (in.): 36
NYTMN (km.): 4783.98 NYTME (km.): 464.344 Building: 1

Item 39.5(From Mod 1):

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

Emission Unit: U-OVER1

Emission Point: 00031
Height (ft.): 44 Diameter (in.): 48
NYTMN (km.): 4783.876 NYTME (km.): 464.77 Building: 51

Item 39.6(From Mod 1):

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

Emission Unit: U-PTNRM

Emission Point: 00500
Height (ft.): 10 Length (in.): 21 Width (in.): 21
NYTMN (km.): 4784.014 NYTME (km.): 464.485 Building: 1

Item 39.7(From Mod 1):

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

Emission Unit: U-ROLL1

Emission Point: 00025
Height (ft.): 44 Diameter (in.): 42
NYTMN (km.): 4783.893 NYTME (km.): 464.687 Building: 51

Emission Point: 00026
Height (ft.): 30 Diameter (in.): 36
NYTMN (km.): 4783.913 NYTME (km.): 464.666 Building: 51

Emission Point: 00029
Height (ft.): 60 Diameter (in.): 72
NYTMN (km.): 4783.869 NYTME (km.): 464.655 Building: 51

Emission Point: 00030
Height (ft.): 80 Diameter (in.): 30
NYTMN (km.): 4783.878 NYTME (km.): 464.636 Building: 51

Emission Point: 00036
Height (ft.): 45 Diameter (in.): 18
NYTMN (km.): 4783.894 NYTME (km.): 464.617 Building: 51

Item 39.8(From Mod 0):

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

Emission Unit: U-ANNE1



Emission Point: 00027
Height (ft.): 82 Diameter (in.): 36
NYTMN (km.): 4783.837 NYTME (km.): 464.714 Building: 51

Emission Point: 00028
Height (ft.): 88 Diameter (in.): 19
NYTMN (km.): 4783.855 NYTME (km.): 464.718 Building: 51

Emission Point: 00189
Height (ft.): 25 Diameter (in.): 9
NYTMN (km.): 4784.016 NYTME (km.): 464.452 Building: 1

Emission Point: 00190
Height (ft.): 25 Diameter (in.): 9
NYTMN (km.): 4784.036 NYTME (km.): 464.438 Building: 51

Emission Point: 00367
Height (ft.): 30 Diameter (in.): 12
NYTMN (km.): 4783.872 NYTME (km.): 464.702 Building: 51

Emission Point: 00369
Height (ft.): 30 Diameter (in.): 7
NYTMN (km.): 4784.052 NYTME (km.): 464.424 Building: 1

Emission Point: 00440
Height (ft.): 30 Diameter (in.): 3
NYTMN (km.): 4783.845 NYTME (km.): 464.691 Building: 51

**Condition 40: Process Definition By Emission Unit
Effective between the dates of 08/16/2005 and Permit Expiration Date**

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 40.1(From Mod 1):

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

Emission Unit: U-ANNE1
Process: DXG Source Classification Code: 3-04-900-04
Process Description:
The annealing atmosphere of dx gas emits burned natural gas.

Emission Source/Control: 00464 - Process

Emission Source/Control: 01154 - Process

Emission Source/Control: 01729 - Process

Emission Source/Control: 01730 - Process

Emission Source/Control: 01731 - Process

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Emission Source/Control: 01732 - Process

Emission Source/Control: 01733 - Process

Emission Source/Control: 01734 - Process

Emission Source/Control: 01738 - Process

Item 40.2(From Mod 1):

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

Emission Unit: U-ANNE1

Process: FLD

Source Classification Code: 3-04-022-01

Process Description:

The annealing process emits a small amount of burned residual lubricating/metalworking fluid.

Emission Source/Control: 01154 - Process

Emission Source/Control: 01729 - Process

Emission Source/Control: 01730 - Process

Emission Source/Control: 01731 - Process

Emission Source/Control: 01732 - Process

Emission Source/Control: 01733 - Process

Emission Source/Control: 01734 - Process

Emission Source/Control: 01738 - Process

Emission Source/Control: 02383 - Process

Emission Source/Control: 02384 - Process

Emission Source/Control: 02385 - Process

Emission Source/Control: 02386 - Process

Item 40.3(From Mod 1):

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

Emission Unit: U-ANNE1

Process: PCK

Source Classification Code: 3-99-999-99

Process Description:

The emissions of acid mists from the pickling process are ducted to and controlled by the wet scrubbers.

Emission Source/Control: 00S38 - Control



Control Type: WET SCRUBBER

Emission Source/Control: 00S40 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01738 - Process

Emission Source/Control: 01740 - Process

Item 40.4(From Mod 1):

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

Emission Unit: U-CAST1

Process: BH1

Source Classification Code: 3-04-002-24

Process Description:

This process encompasses the emissions from the induction furnaces used to melt and pour copper and copper alloy cakes including brass (machine nos. 1187, 1799, and 2443). Emission point EP00039 is associated with this process. Emissions are controlled by cyclones and baghouses. Each furnace has a hood that is ducted to the cyclone/baghouse unit associated with EP00039.

Emission Source/Control: 00B39 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00C39 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 01187 - Process

Emission Source/Control: 01799 - Process

Emission Source/Control: 02443 - Process

Item 40.5(From Mod 1):

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

Emission Unit: U-CAST1

Process: BH2

Source Classification Code: 3-04-002-24

Process Description:

This process encompasses the emissions from the induction furnaces used to melt and pour copper and copper alloy cakes including brass (machine nos. 2056 and 2057). Emission points EP00040 is associated with this process. Emissions are controlled by cyclones and baghouses. Each furnace has a hood that is ducted to the cyclone/baghouse unit associated with EP00040.

Emission Source/Control: 00B40 - Control
Control Type: FABRIC FILTER



Emission Source/Control: 00C40 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 02056 - Process

Emission Source/Control: 02057 - Process

Item 40.6(From Mod 1):

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

Emission Unit: U-CAST1

Process: BP1

Source Classification Code: 3-04-002-24

Process Description:

The emissions from the furnaces operating in by-pass mode are ducted to and controlled by the cyclones only. In by-pass mode, machine nos. 1187, 1799 and 2443, which exhaust through EP00039, are allowed to conduct both brass-pouring operations and copper-pouring operations. Emissions from these furnaces operating in by-pass mode shall be limited to 240 hr/yr. This limitation on the hours of operation is a result of an existing federally enforceable special permit condition established to limit the particulate emissions during by-pass mode operations. Note system bypass hours are also logged when the baghouses automatically shutdown in event of fire/smoke detection.

Emission Source/Control: 00C39 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 01187 - Process

Emission Source/Control: 01799 - Process

Emission Source/Control: 02443 - Process

Item 40.7(From Mod 1):

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

Emission Unit: U-CAST1

Process: BP2

Source Classification Code: 3-04-002-24

Process Description:

The emissions from the furnaces operating in by-pass mode are ducted to and controlled by the cyclones only. In by-pass mode, machine nos. 2056 and 2057, which exhaust through EP00040, are only allowed to conduct copper-pouring operations. Emissions from these furnaces operating in by pass mode shall be limited to 240 hr/yr. This limitation on the hours of operation is a result of an existing federally enforceable special permit condition established to limit the particulate emissions during by-pass mode operations. Note system bypass hours are

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



also logged when the baghouses automatically shutdown in event of fire/smoke detection.

Emission Source/Control: 00C40 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 02056 - Process

Emission Source/Control: 02057 - Process

Item 40.8(From Mod 1):

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

Emission Unit: U-COMB1
Process: F01 Source Classification Code: 1-02-004-02
Process Description:
Three boilers firing residual fuel oil (no. 6) to produce steam for process heating and general heating.

Emission Source/Control: 00BR1 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: 00BR2 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: 00BR3 - Combustion
Design Capacity: 57.2 million Btu per hour

Item 40.9(From Mod 1):

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

Emission Unit: U-COMB1
Process: G01 Source Classification Code: 1-02-006-02
Process Description:
Three boilers firing natural gas to produce steam for process heating and general heating.

Emission Source/Control: 00BR1 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: 00BR2 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: 00BR3 - Combustion
Design Capacity: 57.2 million Btu per hour

Item 40.10(From Mod 1):

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

Emission Unit: U-FURN1
Process: G02 Source Classification Code: 1-02-006-02
Process Description:



Natural gas is fired in the furnace, used to reheat metal.

Emission Source/Control: 01701 - Process
Design Capacity: 51.8 million Btu per hour

Item 40.11(From Mod 1):

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

Emission Unit: U-GRANC
Process: GAS Source Classification Code: 3-99-999-99
Process Description:
The Granco furnace heats billets to approximately 1750 deg. F for a metal extrusion process. The furnace fires natural gas exclusively.

Emission Source/Control: GRANC - Combustion
Design Capacity: 16 million Btu per hour

Item 40.12(From Mod 1):

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

Emission Unit: U-OVER1
Process: OVR Source Classification Code: 3-99-999-99
Process Description:
The emissions from the cutting and shaving of the overhauler process are ducted to and controlled by the wet scrubber/rotoclone.

Emission Source/Control: 00C31 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01715 - Process

Item 40.13(From Mod 1):

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

Emission Unit: U-PTNRM
Process: P01 Source Classification Code: 3-04-002-24
Process Description:
This process encompasses the emissions from the sanding of copper/copper alloy sheets. Emissions are exhausted through a dust collector and then to EP00500T

Emission Source/Control: BH500 - Control
Control Type: FABRIC FILTER

Emission Source/Control: PTNR1 - Process

Item 40.14(From Mod 1):

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

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Emission Unit: U-PTNRM

Process: P02

Source Classification Code: 3-04-002-24

Process Description:

This process encompasses the emissions from the surface coating of copper/copper alloy sheet. The coating operation has an enclosed hood with a small centrifugal fan that vents internally to the patina room.

Emission Source/Control: PTNR2 - Process

Item 40.15(From Mod 1):

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

Emission Unit: U-ROLL1

Process: ROL

Source Classification Code: 3-04-999-99

Process Description:

The rolling process in each mill emits a small amount of lubricating/metalworking fluid.

Emission Source/Control: 00C29 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 00C30 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 00C36 - Control

Control Type: BAFFLE

Emission Source/Control: 01176 - Process

Emission Source/Control: 01706 - Process

Emission Source/Control: 01721 - Process

Emission Source/Control: 01723 - Process

Emission Source/Control: 01724 - Process

Condition 48: Compliance Demonstration

Effective between the dates of 08/16/2005 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 227-1.2 (a) (2)

Item 48.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-COMB1

Emission Point: 00004

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 48.2:

New York State Department of Environmental Conservation

Permit ID: 6-3013-00091/00039

Facility DEC ID: 6301300091



Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a boiler or combination of boilers (connected to the same emission point) with a maximum heat input exceeding 50 mmBtu per hour but no greater than 250 mmBtu per hour firing oil, other than distillate oil.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 5 / Method 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

