



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 8-0704-00025/00059  
Effective Date: 12/03/2014 Expiration Date: 12/02/2019

Permit Issued To: MCWANE INC  
2900 US RTE 280  
BIRMINGHAM, AL 35223

Contact: JITENDRA RADIA  
2900 US RTE 280  
BIRMINGHAM, AL 35223  
(205) 414-3100

Facility: KENNEDY VALVE DIV MC WANE INC  
1021 E WATER ST  
ELMIRA, NY 14901

Contact: MICHAEL BOWLES  
KENNEDY VALVE DIV MCWANE INC  
1021 E WATER ST  
ELMIRA, NY 14901  
(607) 734-2211

Description:  
Renewal and modification of the Title V Facility Permit for the Kennedy Valve facility, which manufactures valves and hydrants used primarily in potable water systems. Facility operations include an iron foundry and a machine shop for production of valve and hydrant parts, and dip, spray, and powder coating processes.

The Kennedy Valve facility is subject to 6NYCRR Part 201-6 (Title V) permit requirements due to potential emissions of carbon monoxide (CO) greater than 100 tons per year.

The initial Title V Facility Permit was issued April 19, 2007. It was modified effective February 2, 2010 to establish control equipment operating limits, and add conditions to meet Maximum Achievable Control Technology (MACT) requirements of 40CFR63 Subpart ZZZZZ - National Emission Standards for Hazardous Air Pollutants (NESHAP) for Iron and Steel Foundries Area Sources.

McWane added a new paint spray booth with dry filter particulate control under the operational flexibility provisions of the previous permit. This Permit includes the addition of additional baghouse control equipment, to reduce particulate emissions from foundry pre-heating and melting operations. Source-specific information is included as indicated below.



This Permit also continues previous restrictions on facility emissions of hazardous air pollutants (HAP) to a maximum of 24.9 tons per year, and emissions of any individual HAP substance to no more than 9.9 tons per year, by recording process HAP emissions, the HAP content of coatings used, and limiting the total amount of iron melted in any 12 consecutive month period to a maximum of 75,000 tons.

These HAP limits remain below the 25 ton per year total HAP and 10 ton per year individual HAP substance applicability thresholds in 40CFR 63 Subpart EEEEE regulations for iron and steel foundries, and 40CFR 63 Subpart MMMM regulations for surface coating of miscellaneous metal parts.

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:        SCOTT SHEELEY  
                                      NYSDEC - REGION 8  
                                      6274 E AVON-LIMA RD  
                                      AVON, NY 14414

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  
Permit modifications, suspensions or revocations by the Department

#### **Facility Level**

Submission of application for permit modification or  
renewal-REGION 8 HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

**For the purpose of your Title V permit, the following section contains  
state-only enforceable terms and conditions.**

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**

**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**

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

**Condition 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by



the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 8 Headquarters  
Division of Environmental Permits  
6274 Avon-Lima Road  
Avon, NY 14414-9519  
(585) 226-2466

**New York State Department of Environmental Conservation**

**Permit ID: 8-0704-00025/00059**

**Facility DEC ID: 8070400025**



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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: MCWANE INC  
2900 US RTE 280  
BIRMINGHAM, AL 35223

Facility: KENNEDY VALVE DIV MC WANE INC  
1021 E WATER ST  
ELMIRA, NY 14901

Authorized Activity By Standard Industrial Classification Code:  
3321 - GRAY IRON FOUNDRIES  
3491 - INDUSTRIAL VALVES

Permit Effective Date: 12/03/2014

Permit Expiration Date: 12/02/2019



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR 201-3.2: Compliance Certification
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 24 6 NYCRR 201-6.4 (f) (2): Compliance Certification
- 25 6 NYCRR 201-7.1: Facility Permissible Emissions
- \*26 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*27 6 NYCRR 201-7.1: Capping Monitoring Condition
- 28 6 NYCRR 211.1: Air pollution prohibited
- 29 6 NYCRR 216.3: Particulate emission limit
- 30 6 NYCRR 216.4: Compliance Certification
- 31 6 NYCRR 228-1.3 (c): Surface Coating- Prohibitions
- 32 40CFR 63.10885(b)(4), Subpart ZZZZZ: Use Of Scrap That Does Not Contain Motor Vehicle Scrap
- 33 40CFR 63.10895(e), Subpart ZZZZZ: Compliance Certification

#### Emission Unit Level

- 34 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 35 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

#### EU=E-00001

- 36 40CFR 63.10885(a)(1), Subpart ZZZZZ: Compliance Certification
- 37 40CFR 63.10895(b), Subpart ZZZZZ: Compliance Certification
- 38 40CFR 63.10896(a), Subpart ZZZZZ: Compliance Certification
- 39 40CFR 63.10897(a)(1), Subpart ZZZZZ: Compliance Certification



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40 40CFR 63.10897(d), Subpart ZZZZZ: Compliance Certification

**EU=E-00001,Proc=002,ES=S0088**

41 6 NYCRR 216.3: Compliance Certification

**EU=E-00001,Proc=002,ES=S0090**

42 6 NYCRR 216.3: Compliance Certification

43 6 NYCRR 216.3: Compliance Certification

**EU=E-00001,EP=00088**

44 6 NYCRR 216.3: Compliance Certification

45 40CFR 63.10895(c)(1), Subpart ZZZZZ: Compliance Certification

**EU=E-00003**

46 40CFR 63.10886, Subpart ZZZZZ: Compliance Certification

**EU=E-00003,EP=00089**

47 6 NYCRR 216.3: Compliance Certification

48 6 NYCRR 216.3: Compliance Certification

**EU=E-00005**

49 40CFR 63.10886, Subpart ZZZZZ: Compliance Certification

**EU=E-00006**

50 6 NYCRR 228-1.1 (a) (3): Compliance Certification

51 6 NYCRR 228-1.3 (a): Compliance Certification

52 6 NYCRR 228-1.3 (b) (1): Compliance Certification

53 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal

54 6 NYCRR 228-1.6 (a): Compliance Certification

55 6 NYCRR 228-1.6 (c): Surface coating access for sampling

56 40CFR 63.3890(b)(1), Subpart MMMM: Compliance Certification

57 40CFR 63.3891(b), Subpart MMMM: Compliance Certification

58 40CFR 63.3901, Subpart MMMM: General Provisions

59 40CFR 63.3910(c), Subpart MMMM: Compliance Certification

60 40CFR 63.3930, Subpart MMMM: Compliance Certification

61 40CFR 63.3931, Subpart MMMM: Length of time to keep records

62 40CFR 63.3950, Subpart MMMM: Compliance Certification

**EU=E-00006,Proc=015**

63 6 NYCRR 228-1.4 (b) (4) (ii): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

64 ECL 19-0301: Contaminant List

65 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

66 6 NYCRR 201-1.4: Unavoidable noncompliance and violations

67 6 NYCRR 211.2: Visible Emissions Limited

68 6 NYCRR 211.2: Compliance Demonstration

**Emission Unit Level**



**EU=E-00005,EP=00085**

69 6 NYCRR 212.4 (a): Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.**

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

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

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

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

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

(3) During the period of the emergency the facility owner 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 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 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 B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



**Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item D: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR 201-6.4 (a) (6)**

This permit does not convey any property rights of any sort or any exclusive privilege.

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## **Item I: Severability - 6 NYCRR 201-6.4 (a) (9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

## **Item J: Permit Shield - 6 NYCRR 201-6.4 (g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

## **Item K: Reopening for Cause - 6 NYCRR 201-6.4 (i)**

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**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

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(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.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS  
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.**

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 200.6**

**Item 1.1:**

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

**Condition 2: Fees**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

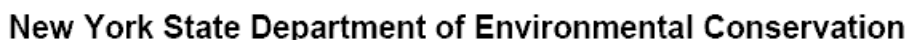
**Applicable Federal Requirement: 6 NYCRR 201-6.4 (a) (7)**

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

**Condition 3: Recordkeeping and Reporting of Compliance Monitoring**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (c)**



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The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement**  
Effective between the dates of 12/03/2014 and 12/02/2019

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (2)**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 5: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)**

The Compliance Certification activity will be performed for the Facility.

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

**Monitoring Description:**

To meet the requirements of this facility permit with respect to reporting, the permittee must:





Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill

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Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. 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. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 6: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)**

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters.

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The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section  
USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer  
NYSDEC Region 8 Headquarters  
6274 East Avon-Lima Road  
Avon, NY 14414-9519

The address for the BQA is as follows:

NYSDEC  
Bureau of Quality Assurance  
625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2015.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 202-2.1**

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

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**Item 7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 202-2.5**

**Item 8.1:**

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

**Condition 9: Open Fires - Prohibitions**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 9.1:**

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

**Item 9.2**

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.

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- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

## **MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.**

**[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Maintenance of Equipment**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 200.7**

### **Item 10.1:**

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

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effectively.

**Condition 11: Recycling and Salvage**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 201-1.7**

**Item 11.1:**

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 201-1.8**

**Item 12.1:**

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.

**Condition 13: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 201-3.2 (a)**

**Item 13.1:**

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

**Condition 14: Trivial Sources - Proof of Eligibility**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 201-3.3 (a)**

**Item 14.1:**

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

**Condition 15: Requirement to Provide Information**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)**

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## Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

## Condition 16: Right to Inspect

Effective between the dates of 12/03/2014 and 12/02/2019

Applicable Federal Requirement: 6 NYCRR 201-6.4 (a) (8)

## Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

## Condition 17: Off Permit Changes

Effective between the dates of 12/03/2014 and 12/02/2019

Applicable Federal Requirement: 6 NYCRR 201-6.4 (f) (6)

## Item 17.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description



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of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

**Condition 18: Required Emissions Tests**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 202-1.1**

**Item 18.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 19: Accidental release provisions.**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:40 CFR Part 68**

**Item 19.1:**

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
  - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
  - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center  
C/O CSC  
8400 Corporate Dr  
Carrollton, Md. 20785

**Condition 20: Recycling and Emissions Reduction**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:40CFR 82, Subpart F**

**Item 20.1:**

The permittee shall comply with all applicable provisions of 40 CFR Part 82.



**The following conditions are subject to annual compliance certification requirements for Title V permits only.**

**Condition 21: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 201-3.2**

**Item 21.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 21.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following operations at this facility are exempt from the permitting provisions of 6 NYCRR Part 201:

Nine (9) stationary combustion sources (boilers and dryers) firing natural gas which are each rated less than 10 MMBtu/hr (201-3.2(c)(1));

Three (3) non-contact cooling tower and water systems (201-3.2(c)(7));

"Casting cleaning" operations utilizing abrasive cleaning and exhausted to an appropriate emissions control device (201-3.2(c)(18));

Diesel and LP storage tanks with capacities less than 10,000 gallons (201-3.2(c)(25));

Sand and Bond storage silos with appropriate emission control devices (201-3.2(c)(27));

Three (3) powder coating lines (201-3.2(c)(34));

Two diesel powered emergency generators (201-3.2(c)(6));

Five (5) cold solvent degreaser units (201-3.2(c)(39)(i)) and

One (1) Inductotherm Induction Melting Furnace for alloy melting, interior exhaust.

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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 1/30/2015.

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

**Condition 22: Emission Unit Definition**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-6**

**Item 22.1:**

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

Emission Unit: E-00001

Emission Unit Description:

Melting: Scrap metal is preheated via a natural gas fired preheater then charged into one of three coreless induction melting furnaces. Molten metal is tapped from the furnace into a ladle and alloys may be added to achieve the desired chemistry.

Building(s): F

**Item 22.2:**

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

Emission Unit: E-00002

Emission Unit Description:

Pouring and Cooling: A ladle containing molten metal is moved to the pouring line where the metal is poured into sand molds. From the pouring station, the filled molds travel by conveyor through the cooling zone.

Building(s): E

**Item 22.3:**

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

Emission Unit: E-00003

Emission Unit Description:

Shakeout, Sand Handling and Mold Making: Cooled molds are transferred to a rotary shakeout machine and rotary drum to separate the castings from the molds. Sand is screened and transferred to the muller where it is reused in making molds.

Building(s): D

**Item 22.4:**

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

Emission Unit: E-00005

Emission Unit Description:

Core Making: Sand cores are made in one of three methods;

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shell core, Novaset or Isocure. Cores are washed in a water based material to improve surface characteristics.

Building(s): D

**Item 22.5:**

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

Emission Unit: E-00006

Emission Unit Description:

Finishing: After castings are cleaned are coated using spray or powder coating processes.

Building(s): E  
H

**Condition 23: Progress Reports Due Semiannually**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)**

**Item 23.1:**

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Condition 24: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (2)**

**Item 24.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

The objective of this condition is to maximize operational flexibility at the facility by building into the Title V permit the capability to make certain changes using a



protocol. As provided under 6 NYCRR Part 201-6.4(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.6.

## II. Protocol

### A. Criteria

1. Changes reviewed under this protocol shall be evaluated in accordance with the following criteria:

a. All underlying federal and state requirements with which the new or changed emission source must comply must exist in the Title V permit. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or subject to DEC approval, new conditions proposed, to provide the appropriate monitoring parameters.

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231.

c. The facility shall not use the protocol to make physical changes or changes in the method of operation of existing emissions sources that would require a new or modified federally enforceable cap either to avoid major NSR requirements or to address and comply with other Clean Air Act requirements, such as RACT. Such changes must be addressed via the significant permit modification provisions.

### B. Notification Requirements for Changes Reviewed under the Protocol

1. The facility shall notify the Department in writing of the proposed change.

2. Notifications made in accordance with this protocol will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources and emission points affected by the proposed change with applicable revisions to the Emission Unit structure;

b. Description of the proposed change, including operating parameters;



c. Identification and description of emissions control technology;

d. Documentation of the project's, or emission source's, compliance with respect to all state and/or federally applicable requirements, including the following steps:

i. Calculate the emission rate potential and maximum projected actual annual emission rates for all contaminants affected by the change.

ii. Submit documentation of major NSR program non-applicability for NYSDEC review and approval.

iii. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source.

iv. Propose any operating and record keeping procedures necessary to ensure compliance.

e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

#### **C. Review and Approval of Changes**

1. The Department shall respond to the permittee in writing with a determination within 15 days of receipt of the notification of the permittee.

2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under II. A above or that the changes may have a significant air quality impact or be otherwise potentially significant under SEQRA (6 NYCRR Part 617).

3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

#### **D. Additional Compliance Obligations for Changes Made Under this Protocol**

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1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.

2. The facility shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol and a statement of the compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated into the permit.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 25: Facility Permissible Emissions**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 25.1:**

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

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

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

PTE: 49,800 pounds per year

**Condition 26: Capping Monitoring Condition**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 26.1:**

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 Part 63, Subpart EEEEE

**Item 26.2:**

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

**Item 26.3:**

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

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other state and federal air pollution control requirements, regulations or law.

## Item 26.4:

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 26.5:

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 26.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

## Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility emissions of Hazardous Air Pollutants (HAPs) will not exceed 9.9 tons per year for any individual HAP or 24.9 tons per year total HAPs on a rolling 12 month basis. Records shall be maintained using the following process-specific emission factors. Other HAP emissions generated at the facility (for example- painting, core making, natural gas combustion, etc.) will be calculated based upon the HAP-containing product usage, mass-balance calculations, and available engineering data. Sources for this data include site-specific testing data, appropriate industry group data, and published governmental data. The recordkeeping methods shall be approved by the Department.

Emission Unit E00001 Process#001  
Scrap Preheater

Chemical / CAS # /  
lb/ton metal



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Total HAPs NA  
3.24E-03  
Lead (Pb) 7439-92-1

8.28E-04  
Manganese (Mn) 7433-96-5

1.56E-03

Emission Unit E00001 Process #  
002  
Electric Induction Furnace Melting

Chemical / CAS # /  
lb/ton metal

Antimony (Sb)  
7440-36-0  
1.30E-04  
Arsenic (As) 7440-38-2

1.70E-04  
Beryllium (Be)  
7440-41-7  
4.60E-06  
Cadmium (Cd) 7440-43-9

7.30E-05  
Chromium (Cr) 7440-47-3  
8.00E-04  
Cobalt (Co) 7440-48-4  
5.30E-04  
Lead (Pb) 7439-92-1  
1.40E-02  
Manganese (Mn) 7439-96-5

3.11E-02  
Nickel (Ni)  
7440-02-0  
7.10E-04

Emission Unit E00001 Process #  
003  
Innoculation

Chemical / CAS # /  
lb/ton ductile metal

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Total HAPs NA  
3.06E-03  
Lead (Pb) 7439-92-1  
1.80E-03  
Manganese (Mn)  
7433-96-5  
1.08E-03

Emission Unit E00002 Process #s 004, 005,  
006  
Pouring/Cooling/Shakeout

Chemical / CAS # /  
lb/ton  
metal

Pouring/Cooling/Shakeout  
Organics

Acetaldehyde 75-07-0  
9.60E-03  
Aniline 62-53-3  
3.87E-02  
Benzene 71-43-2  
1.56E-01  
2-Butanone  
78-93-3  
2.60E-03  
Ethylbenzene 100-41-4  
6.30E-03  
Hexane 110-54-3  
4.90E-03  
Formaldehyde (solution)  
50-00-0  
1.20E-03  
m,p-Xylenes  
108-38-3  
4.70E-03  
Naphthalene  
91-20-3  
5.10E-03  
o-Cresols  
95-48-7  
1.96E-02  
m,p-Cresols  
108-39-4/106-44-5  
6.20E-03  
Xylenes (Total)  
95-47-6  
3.35E-02

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Phenol  
108-95-2  
7.59E-02  
N,N-Dimethylalanine  
121-69-7  
9.00E-03  
1-Methylnaphthalene  
90-12-0  
1.70E-03  
2-Methylnaphthalene  
91-57-6  
3.00E-03  
1,3-Dimethylnaphthalene  
575-41-7  
7.00E-04  
Toluene 108-88-3  
5.90E-02  
Total Organic HAPs  
NA  
4.37E-01

**Pouring/Cooling Inorganics**

Antimony 7440-36-0  
6.21E-05  
Arsenic 7440-38-2  
1.14E-05  
Cadmium 7440-43-9  
5.25E-05  
Chromium 7440-47-3  
3.79E-04  
Cobalt 7440-48-4  
5.30E-03  
Manganese 7433-96-5  
3.16E-03  
Nickel 7440-02-0  
1.10E-03  
Selenium  
7782-49-2  
2.46E-05

**Shakeout Inorganics**

Antimony 7440-36-0  
7.59E-06  
Cadmium 7440-43-9  
1.67E-05  
Chromium 7440-47-3  
3.00E-04  
Cobalt 7440-48-4  
2.49E-04  
Manganese 7433-96-5

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7.47E-04  
Nickel 7440-02-0  
6.66E-04

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 1/30/2015.  
Subsequent reports are due every 6 calendar month(s).

**Condition 27: Capping Monitoring Condition**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 201-7.1**

**Item 27.1:**

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 Part 63, Subpart EEEEE

**Item 27.2:**

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

**Item 27.3:**

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 27.4:**

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 27.5:**

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 27.6:**

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The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0      TOTAL HAP

**Item 27.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Hazardous Air Pollutant emissions will be limited by restricting the total quantity of iron melted to no more than 75000 tons per year on a rolling 12 month basis. Records shall be maintained monthly. The recordkeeping methods shall be approved by the Department.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: IRON

Upper Permit Limit: 75000 tons per year

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 1/30/2015.

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

**Condition 28:      Air pollution prohibited**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 28.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 29:      Particulate emission limit**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 216.3**

**Item 29.1:**

Any iron and/or steel process must not cause or allow emissions of particulates from any confined process to exceed the limits contained in Table 1 of Part 216 or as listed in this permit.

**Condition 30:      Compliance Certification**



Effective between the dates of 12/03/2014 and 12/02/2019

**Applicable Federal Requirement:6 NYCRR 216.4**

**Item 30.1:**

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

Emission Unit: E-00001

Emission Unit: E-00002

Emission Unit: E-00003

Emission Unit: E-00005

**Item 30.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, 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). The fugitive opacity limits of 20 percent are applicable to emissions emanating from building openings.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in either a bound logbook or an electronic data record in a format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

This data must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a

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Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the log. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 31: Surface Coating- Prohibitions**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 228-1.3 (c)**

**Item 31.1:**

(1) No person shall sell, supply, offer for sale, solicit, use, specify, or require for use, the application of a coating on a part or product at a facility with a coating line described in Subpart 228-1.1(a) if such sale, specification, or use is prohibited by any of the provisions of this Subpart. The prohibition shall apply to all written or oral contracts under the terms of which any coating is to be applied to any part or product at an affected facility. This prohibition shall not apply to the following:

(i) coatings utilized at surface coating lines where control equipment has been installed to meet the maximum permitted VOC content limitations specified in the tables of Subpart 228-1.4;

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(ii) coatings utilized at surface coating lines where a coating system is used which meets the requirements specified in Subpart 228-1.5(d); and

(iii) coatings utilized at surface coating lines that have been granted variances pursuant to Subpart 228-1.5(e).

(2) Any person selling a coating for use in a coating line subject to Subpart 228-1 must, upon request, provide the user with certification of the VOC content of the coating supplied.

**Condition 32: Use Of Scrap That Does Not Contain Motor Vehicle Scrap  
Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:40CFR 63.10885(b)(4), Subpart ZZZZZ**

**Item 32.1:**

For scrap not subject to the requirements in 40CFR 63.10885(b)(1) through (3), the owner or operator must certify in his/her notification of compliance status and maintain records of documentation that this scrap does not contain motor vehicle scrap.

**Condition 33: Compliance Certification  
Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:40CFR 63.10895(e), Subpart ZZZZZ**

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 33.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This facility must maintain the opacity of fugitive emissions from foundry operations no greater than 20 percent (except for one 6-minute average per hour up to 30 percent).

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions shall be required to perform the following:

1) Observe the facility once per day for visible fugitive emissions. This observation must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for the facility:



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- weather condition
- was a plume observed?
- if a plume was observed, the specific location

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions other than steam, two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected fugitive source must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

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

**Condition 34: Emission Point Definition By Emission Unit**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-6**

**Item 34.1:**

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

Emission Unit: E-00001

Emission Point: 00088

Height (ft.): 52

Diameter (in.): 92

NYTMN (km.): 4661.628 NYTME (km.): 352.086 Building: F

**Item 34.2:**

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

Emission Unit: E-00002

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Emission Point: 00067  
Height (ft.): 24 Diameter (in.): 27  
NYTMN (km.): 4661.567 NYTME (km.): 352.121 Building: E

Emission Point: 00068  
Height (ft.): 24 Diameter (in.): 27  
NYTMN (km.): 4661.562 NYTME (km.): 352.128 Building: E

Emission Point: 00069  
Height (ft.): 24 Diameter (in.): 27  
NYTMN (km.): 4661.553 NYTME (km.): 352.134 Building: E

Emission Point: 00070  
Height (ft.): 24 Diameter (in.): 30  
NYTMN (km.): 4661.561 NYTME (km.): 352.115 Building: E

Emission Point: 00071  
Height (ft.): 24 Diameter (in.): 30  
NYTMN (km.): 4661.557 NYTME (km.): 352.12 Building: E

Emission Point: 00090  
Height (ft.): 24 Diameter (in.): 27  
NYTMN (km.): 4661.576 NYTME (km.): 352.109 Building: E

Emission Point: 00091  
Height (ft.): 24 Diameter (in.): 27  
NYTMN (km.): 4661.581 NYTME (km.): 352.115 Building: E

**Item 34.3:**

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

Emission Unit: E-00003

Emission Point: 00089  
Height (ft.): 50 Diameter (in.): 71  
NYTMN (km.): 4661.503 NYTME (km.): 352.108 Building: D

**Item 34.4:**

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

Emission Unit: E-00005

Emission Point: 00085  
Height (ft.): 43 Diameter (in.): 44  
NYTMN (km.): 4661.517 NYTME (km.): 352.06 Building: D

**Item 34.5:**

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

Emission Unit: E-00006

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Emission Point: 00056  
Height (ft.): 24 Diameter (in.): 24  
NYTMN (km.): 4661.418 NYTME (km.): 352.275 Building: H

Emission Point: 00060  
Height (ft.): 30 Diameter (in.): 30  
NYTMN (km.): 4661.418 NYTME (km.): 352.275 Building: I

**Condition 35: Process Definition By Emission Unit**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-6**

**Item 35.1:**

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

Emission Unit: E-00001  
Process: 001 Source Classification Code: 3-04-003-99  
Process Description:  
Pig iron, returns, scrap steel and machine cast is placed  
in a gas-fired preheater. The scrap is heated up to 1100  
degrees F.

Emission Source/Control: S0088 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: S0090 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: S0036 - Process  
Design Capacity: 20 tons per hour

**Item 35.2:**

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

Emission Unit: E-00001  
Process: 002 Source Classification Code: 3-04-003-03  
Process Description:  
Preheated scrap is placed in three coreless induction  
furnaces for melting.

Emission Source/Control: S0088 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: S0090 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: S0002 - Process

**Item 35.3:**

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

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Emission Unit: E-00001

Process: 003

Source Classification Code: 3-04-003-20

Process Description:

Molten iron is transferred into a ladle. Alloys are added as needed for desired metal chemistry. As required, magnesium is also added to the ladle to make ductile iron.

Emission Source/Control: S0088 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0090 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0005 - Process

**Item 35.4:**

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

Emission Unit: E-00002

Process: 004

Source Classification Code: 3-04-003-20

Process Description:

The ladle is moved to the pouring line where molten metal is poured into sand molds with the cores.

Emission Source/Control: S0007 - Process

**Item 35.5:**

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

Emission Unit: E-00002

Process: 005

Source Classification Code: 3-04-003-25

Process Description:

Sand molds containing molten iron are conveyed in cars on moving rollers while the iron solidifies.

Emission Source/Control: S0008 - Process

**Item 35.6:**

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

Emission Unit: E-00003

Process: 006

Source Classification Code: 3-04-003-31

Process Description:

Sand molds containing solidified iron castings are directed to a shakeout machine which separates the sand from the castings. The castings are then conveyed to a rotary drum for further sand removal.

Emission Source/Control: S0089 - Control

Control Type: FABRIC FILTER

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Emission Source/Control: S0009 - Process

**Item 35.7:**

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

Emission Unit: E-00003

Process: 007

Source Classification Code: 3-04-003-50

Process Description:

Sand which is separated from the castings is directed through a screening station to remove core butts and fused sand. It is then further screened and directed through two magnetic separators, water addition, a fluidized bed cooler and a bucket elevator to the return sand silo.

Emission Source/Control: S0089 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0015 - Process

**Item 35.8:**

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

Emission Unit: E-00003

Process: 008

Source Classification Code: 3-04-003-99

Process Description:

Recycled sand from the sand system is used to produce sand molds.

Emission Source/Control: S0016 - Process

**Item 35.9:**

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

Emission Unit: E-00005

Process: 011

Source Classification Code: 3-04-003-70

Process Description:

Resin coated sand is purchased in large tote bags and transferred as needed into hoppers over ten shell core machines. The sand is metered into each machine where heat is applied to set the cores. The cores are washed in a water based material to improve surface properties.

Emission Source/Control: S0020 - Process

**Item 35.10:**

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

Emission Unit: E-00005

Process: 012

Source Classification Code: 3-04-003-70

Process Description:

Uncoated sand is metered into a single core machine where

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the binder chemicals are mixed, an ester-based co-reactant and pressure are used to form the cores. The cores are washed in a water based material to improve surface properties.

Emission Source/Control: S0020 - Process

**Item 35.11:**

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

Emission Unit: E-00005

Process: 013

Source Classification Code: 3-04-003-71

Process Description:

Uncoated sand is pneumatically conveyed into three core machines where an amine catalyst is used to activate the binder and cure the cores. The cores are washed in a water based material to improve surface properties and conveyed through an oven associated with each machine (3 ovens).

Emission Source/Control: S0024 - Control

Control Type: WET SCRUBBER

Emission Source/Control: S0021 - Process

**Item 35.12:**

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

Emission Unit: E-00006

Process: 015

Source Classification Code: 3-04-003-99

Process Description:

Castings requiring custom paint are painted in two spray booths each with a dry filter and exhaust fan.

Emission Source/Control: S0035 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0026 - Process

Emission Source/Control: S0029 - Process

**Condition 36: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.10885(a)(1), Subpart ZZZZZ**

**Item 36.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

**Item 36.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must prepare and operate at all times according to written material specifications for the purchase and use of only metal ingots, pig iron, slitter, or other materials that do not include post-consumer automotive body scrap, post-consumer engine blocks, post-consumer oil filters, oily turnings, lead components, chlorinated plastics, or free liquids. For the purpose of this subpart, free liquids is defined as material that fails the paint filter test by EPA Method 9095B, Paint Filter Liquids Test (revision 2), November 2004 (incorporated by reference see 40CFR 63.14). The requirements for no free liquids do not apply if the owner or operator can demonstrate that the free liquid is water that resulted from scrap exposure to rain.

Some scrap at the facility may be subject to a scrap management program in 40CFR 63.10885(a)(2).

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 37: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.10895(b), Subpart ZZZZZ**

**Item 37.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must operate a capture and collection system for each metal melting furnace at a new or existing iron and steel foundry unless that furnace is specifically uncontrolled as part of an emissions averaging group. Each capture and collection system must meet accepted engineering standards, such as those published by the American Conference of Governmental Industrial Hygienists.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 1/30/2015.  
Subsequent reports are due every 12 calendar month(s).

**Condition 38: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:40CFR 63.10896(a), Subpart ZZZZZ**

**Item 38.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility must prepare and operate at all times according to a written operation and maintenance (O&M) plan for each control device for an emissions source subject to a PM, metal HAP, or opacity emissions limit in §63.10895. This facility must maintain a copy of the O&M plan at the facility and make it available for review upon request. At a minimum, each plan must contain the following information:

General facility and contact information;

Positions of individuals responsible for inspecting, maintaining, and repairing emissions control devices which are used to comply with this subpart;

Description of items, equipment, and conditions that will be inspected, including an inspection schedule for the items, equipment, and conditions. For baghouses that are equipped with bag leak detection systems, the O&M plan must include the site-specific monitoring plan required in §63.10897(d)(2).

Identity and estimated quantity of the replacement parts that will be maintained in inventory.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 39: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:40CFR 63.10897(a)(1), Subpart ZZZZZ**



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**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility must conduct an initial inspection of each PM control device for its metal melting furnace. Each initial inspection must be conducted no later than 60 days after the applicable compliance date for each installed control device which has been operated within 60 days of the compliance date. For an installed control device which has not operated within 60 days of the compliance date, the facility must conduct an initial inspection prior to startup of the control device.

For the initial inspection of each baghouse, the facility must visually inspect the system ductwork and baghouse units for leaks. The facility must also inspect the inside of each baghouse for structural integrity and fabric filter condition. Following the initial inspections, the facility must conduct monthly visual inspections of the system ductwork for leaks and every 6 months conduct inspections of the interior of the baghouse for structural integrity and to determine the condition of the fabric filter.

The facility must record the results of each initial and periodic inspection and any maintenance action in the logbook required in §63.10899(b)(13).

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 1/30/2015.

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

**Condition 40: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.10897(d), Subpart ZZZZZ**

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001



**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility must install, operate, and maintain a bag leak detection system for each negative pressure baghouse or positive pressure baghouse as an alternative to the baghouse inspection requirements in 40CFR 63.10897(a)(1). Each bag leak detection system must be installed, operated, and maintained according to the following requirements:

The system must be certified by the manufacturer to be capable of detecting emissions of particulate matter at concentrations of 10 milligrams per actual cubic meter (0.00044 grains per actual cubic foot) or less.

The bag leak detection system sensor must provide output of relative particulate matter loadings and the owner or operator shall continuously record the output from the bag leak detection system using a strip chart recorder, data logger, or other means.

The system must be equipped with an alarm that will sound when an increase in relative particulate loadings is detected over the alarm set point established in the operation and maintenance plan, and the alarm must be located such that it can be heard by the appropriate plant personnel.

The initial adjustment of the system must, at minimum, consist of establishing the baseline output by adjusting the sensitivity (range) and the averaging period of the device, and establishing the alarm set points. If the system is equipped with an alarm delay time feature, you also must adjust the alarm delay time.

Following the initial adjustment, the sensitivity or range, averaging period, alarm set point, or alarm delay time may not be adjusted except, once per quarter, the sensitivity of the bag leak detection system may be adjusted to account for seasonable effects including temperature and humidity according to the procedures in the monitoring plan.

For negative pressure baghouses, induced air baghouses, and positive pressure baghouses that are discharged to the atmosphere through a stack, the bag leak detector sensor must be installed downstream of the baghouse and upstream



of any wet scrubber.

Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

The site-specific monitoring plan must be incorporated in the O&M plan. The facility must operate and maintain each bag leak detection system according to the plan at all times. Each plan must address all of the following items:

- Installation of the bag leak detection system.
- Initial and periodic adjustment of the bag leak detection system including how the alarm set-point will be established.
- Operation of the bag leak detection system including quality assurance procedures.
- Maintenance of the bag leak detection system including a routine maintenance schedule and spare parts inventory list.
- How the bag leak detection system output will be recorded and stored.
- Procedures for determining what corrective actions are necessary in the event of a bag leak detection alarm as required below.

In the event that a bag leak detection system alarm is triggered, you must initiate corrective action to determine the cause of the alarm within 1 hour of the alarm, initiate corrective action to correct the cause of the problem within 24 hours of the alarm, and complete corrective action as soon as practicable, but no later than 10 calendar days from the date of the alarm. The facility must record the date and time of each valid alarm, the time the facility initiated corrective action, the correction action taken, and the date on which corrective action was completed. Corrective actions may include, but are not limited to inspecting the bag house for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in emissions; sealing off defective bags or filter media; replacing defective bags or filter media or otherwise repairing the control device; sealing off a defective baghouse department; cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system or shutting down the process producing the particulate emissions.

The facility must make monthly inspections of the equipment that is important to the performance of the total capture system (i.e., pressure sensors, dampers, and

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damper switches). This inspection must include observations of the physical appearance of the equipment (e.g., presence of holes in the ductwork or hoods, flow constrictions caused by dents or accumulated dust in the ductwork, and fan erosion). Any defect or deficiency in the capture system must be repaired as soon as practicable, but no later than 90 days from the date of the inspection. The date and results of each inspection and the date of repair of any defect or deficiency must be recorded.

The facility must install, operate, and maintain each CPMS or other measurement device according to the O&M plan. The facility must record all information needed to document conformance with these requirements.

In the event of an exceedance of an established emissions limitation (including an operating limit), the facility must restore operation of the emissions source (including the control device and associated capture system) to its normal or usual manner or operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the exceedance. The facility must record the date and time correction action was initiated, the correction action taken, and the date 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 1/30/2015.

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

**Condition 41: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 216.3**

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

Process: 002

Emission Source: S0088

Regulated Contaminant(s):

CAS No: 000000-00-0 PARTICULATES

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**Item 41.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Pressure drop across the baghouse must not fall outside the range of 1.5 to 6.0 inches of water. The pressure drop must be monitored by a continuous recording device approved by the Department.

Parameter Monitored: PRESSURE DROP

Lower Permit Limit: 1.5 inches of water

Upper Permit Limit: 6.0 inches of water

Monitoring Frequency: CONTINUOUS

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 1/30/2015.

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

**Condition 42: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 216.3**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

Process: 002

Emission Source: S0090

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A continuous recording device measuring the pressure drop across the baghouse shall be installed prior to operation of the baghouse. The device must be approved by the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 43: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 216.3**

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**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

Process: 002

Emission Source: S0090

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 43.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Within one hundred and twenty (120) days of the installation of the baghouse (Source/Control ID S0090), the owner or operator must establish minimum and maximum limits for the range of pressure drop (in inches of water) to be used as surrogate parameters for the operation of the control device. These limits must be approved by the Department and an application for modification of the existing Title V permit must be made within this timeframe.

Parameter Monitored: PRESSURE DROP

Lower Permit Limit: TBD inches of water

Upper Permit Limit: TBD inches of water

Monitoring Frequency: CONTINUOUS

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 1/30/2015.

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

**Condition 44: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 216.3**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

Emission Point: 00088

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 44.2:**

Compliance Certification shall include the following monitoring:

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**Monitoring Type: INTERMITTENT EMISSION TESTING**

**Monitoring Description:**

Emissions of particulates shall not exceed the mass emission limit of 0.050 grains per cubic foot of exhaust gas on a dry gas basis, as required in Part 216 Table 1. A compliance stack test must be conducted within one year of the issuance of the initial Title V permit for the facility. Subsequent testing shall be conducted once during each five year permit term.

**Parameter Monitored: PARTICULATES**

**Upper Permit Limit: 0.050 grains per standard cubic foot**

**Reference Test Method: EPA Method 5**

**Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT**

**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 1/30/2015.**

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

**Condition 45: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.10895(c)(1), Subpart ZZZZZ**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

Emission Point: 00088

**Item 45.2:**

Compliance Certification shall include the following monitoring:

**Monitoring Type: INTERMITTENT EMISSION TESTING**

**Monitoring Description:**

For an existing iron and steel foundry, the owner or operator must not discharge to the atmosphere emissions from any metal melting furnace or group of all metal melting furnaces that exceed 0.8 pounds of particulate matter per ton of metal charged using methods in 40CFR 63.10898(d), (e) or (f).

**Parameter Monitored: PARTICULATES**

**Upper Permit Limit: 0.8 pounds per ton**

**Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT**

**Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION**

**Reporting Requirements: ANNUALLY (CALENDAR)**

**Reports due 30 days after the reporting period.**

**The initial report is due 1/30/2015.**

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

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**Condition 46: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.10886, Subpart ZZZZZ**

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00003

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each furfuryl alcohol warm box mold or core making line at a new or existing iron and steel foundry, the owner or operator must use a binder chemical formulation that does not use methanol as a specific ingredient of the catalyst formulation. This requirement does not apply to the resin portion of the binder system.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 47: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 216.3**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00003

Emission Point: 00089

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 47.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Pressure drop across the baghouse must not fall outside the range of 4 to 10 inches of water. The pressure drop will be monitored by a continuous recording device approved by the Department.



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Parameter Monitored: PRESSURE DROP  
Lower Permit Limit: 4 inches of water  
Upper Permit Limit: 10 inches of water  
Monitoring Frequency: CONTINUOUS  
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 1/30/2015.  
Subsequent reports are due every 6 calendar month(s).

**Condition 48: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 216.3**

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00003                      Emission Point: 00089

Regulated Contaminant(s):  
CAS No: 000000-00-0                      PARTICULATES

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of particulates shall not exceed the mass  
emission limit of 0.050 grains per cubic foot of exhaust  
gas on a dry gas basis, as required in Part 216 Table 1.  
Compliance testing shall be conducted once during each  
five year permit term.

Parameter Monitored: PARTICULATES  
Upper Permit Limit: 0.050 grains per standard cubic foot  
Reference Test Method: EPA Method 5  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
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 1/30/2015.  
Subsequent reports are due every 6 calendar month(s).

**Condition 49: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.10886, Subpart ZZZZZ**

**Item 49.1:**

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The Compliance Certification activity will be performed for:

Emission Unit: E-00005

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each furfuryl alcohol warm box mold or core making line at a new or existing iron and steel foundry, the owner or operator must use a binder chemical formulation that does not use methanol as a specific ingredient of the catalyst formulation. This requirement does not apply to the resin portion of the binder system.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 50: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 228-1.1 (a) (3)**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any coating line that is or becomes subject to this subpart will remain subject to these provisions even if the annual potential to emit VOCs for the facility later falls below the thresholds set forth in this subpart.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 51: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement:6 NYCRR 228-1.3 (a)**

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**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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) from any emission source subject to this Subpart.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in either a bound logbook or an electronic data record in a format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the

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detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 52: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 228-1.3 (b) (1)**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emission source subject to 6 NYCRR Part 228-1 must maintain the following records in a format acceptable to the department for a period of at least five years:

1. A certification from the coating supplier or manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.
2. Purchase, usage and/or production records of each coating material, including solvents.
3. Records identifying each air cleaning device that has an overall removal efficiency of at least 90 percent.



4. Records verifying each parameter used to calculate the overall removal efficiency, as described in Equation 2 of Section 228-1.5(c), if applicable.

5. Any additional information required to determine compliance with Part 228-1.

Upon request, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must submit a copy of the records kept in accordance with this condition to the department within 90 days of receipt of the request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 53: Surface Coating - Handling, storage and disposal**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 228-1.3 (d)**

**Item 53.1:**

This Condition applies to Emission Unit: E-00006

**Item 53.2:**

Within the work area(s) associated with a coating line, the owner or operator of a facility must:

- (1) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;
- (2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;
- (3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;
- (4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;



(5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;

(6) minimize spills during the handling and transfer of coatings and VOC solvents; and

(7) clean hand held spray guns by one of the following:

(i) an enclosed spray gun cleaning system that is kept closed when not in use;

(ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;

(iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or

(iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

**Condition 54: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 228-1.6 (a)**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Upon request by the Department, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must determine the actual VOC content of an as applied coating by measuring the volatile content, water content, density, volume of solids, and weight of solids in accordance with EPA Reference Test Method 311 or Method 24, included in Appendix A of 40 CFR parts 63 and 60 respectively, to demonstrate compliance with the requirements of Part 228-1.

An alternate sampling method that has been approved by both the Department and the Administrator may be used when Method 311 and/or Method 24 are not appropriate.

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Reference Test Method: EPA Reference Test Method 311 or 24

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 55: Surface coating access for sampling**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 228-1.6 (c)**

**Item 55.1:**

This Condition applies to Emission Unit: E-00006

**Item 55.2:**

Representatives of the department must be permitted on the facility owner's property, during reasonable business hours, to obtain coating samples for the purpose of determining compliance with the requirements of 6 NYCRR Part 228-1.

**Condition 56: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.3890(b)(1), Subpart**

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**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

For an existing affected source that belongs to the general use coating subcategory, the owner/operator shall limit organic HAP emissions to no more than 0.31 kg organic HAP/L coating solids (2.6 lb/gal) used during each 12-month compliance period.

The facility shall comply with this limit by choosing one of the options listed in §63.3891 (compliant coatings, emission rate without add-on controls, or emission rate with add-on controls), and shall determine compliance using the provisions in either §63.3941 (for compliant

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coatings), §63.3951 (emission rate w/o add-on controls),  
or §63.3961 (add-on controls).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: COATING

Parameter Monitored: ORGANIC HAP CONTENT

Upper Permit Limit: 0.31 kilograms per liter

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

**Condition 57: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.3891(b), Subpart M**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Regulated Contaminant(s):

CAS No: 000000-00-0 TOTAL HAP

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in §63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis.

The facility must meet all the requirements of §§63.3950, 63.3951, and 63.3952 to demonstrate compliance with the emission limit using this option.

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 1/30/2015.

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



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**Condition 58: General Provisions**

Effective between the dates of 12/03/2014 and 12/02/2019

**Applicable Federal Requirement: 40CFR 63.3901, Subpart M**

**Item 58.1:**

This Condition applies to Emission Unit: E-00006

**Item 58.2:**

Table 2 to Subpart M shows which parts of the General Provisions in §63.1-63.15 apply to the affected source.

**Condition 59: Compliance Certification**

Effective between the dates of 12/03/2014 and 12/02/2019

**Applicable Federal Requirement: 40CFR 63.3910(c), Subpart M**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must submit the notification of compliance status (NoCS) required by §63.9(h) no later than 30 calendar days following the end of the initial compliance period described in §§63.3940, 63.3950, or 63.3960 that applies to the affected source. The NoCS must contain the information specified below:

- 1) Company name and address
- 2) Statement by a responsible official with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report
- 3) Date of the report and beginning and ending dates of the reporting period. The reporting period is the initial compliance period described in §§63.3940, 3950, or 3960 that applies to the affected source
- 4) Identification of the compliance option or options specified in §63.3891 that the facility used on each



coating operation in the affected source during the initial compliance period

5) Statement of whether or not the affected source achieved the emission limitations for the initial compliance period

6) If there was a deviation, include a description and statement of the cause of the deviation, along with all calculations used to determine the kg of organic HAP/L coating solids used. The owner/operator does not need to submit information provided by the materials' suppliers or manufacturers, or test reports

7) For each of the data items listed in §63.3910(c)(7)(i)-(iv) that is required by the compliance option used to demonstrate compliance with the applicable emission limit, include an example of how the value was determined, including calculations and supporting data. Supporting data may include a copy of the information provided by the supplier or manufacturer of the example coating or material, or a summary of the results of testing conducted according to §63.3941(a), (b), or (c). Copies of test reports do not need to be submitted.

8) The calculation of kg (lb) or organic HAP/L (gal) coating solids used for the compliance option(s) used, as specified in §63.3910(c)(8)(i)-(iii)

9) For the emission rate with add-on controls option, the facility must include the information specified in §63.3910(c)(9)(i)-(iv)

10) If the facility is complying with a single emission limit representing the predominant activity under §63.3890(c)(1), include the calculations and supporting information used to demonstrate that this emission limit represents the predominant activity as specified in §63.3890(c)(1)

11) If the facility is complying with a facility-specific emission limit under §63.3890(c)(2), include the calculation of the facility-specific emission limit and any supporting information as specified in §63.3890(c)(2).

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 60: Compliance Certification**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

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Permit ID: 8-0704-00025/00059

Facility DEC ID: 8070400025



**Applicable Federal Requirement: 40CFR 63.3930, Subpart M**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must collect and keep records of the data and information specified below. Failure to collect and keep these records is a deviation from the applicable standard.

(a) A copy of each notification and report submitted by the facility to comply with this subpart, and the documentation supporting each notification and report.

(b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the facility conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, it must keep a copy of the complete test report. If the facility uses information provided by the manufacturer or supplier of the material that was based on testing, it must keep the summary sheet of results provided by the manufacturer or supplier. The facility is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

(c) For each compliance period, a record of the coating operations on which each compliance option was used and the time periods (beginning and ending dates and times) for each option that was used; a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of §63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2

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of §63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.3951.

(d) A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period.

(e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.

(f) A record of the volume fraction of coating solids for each coating used during each compliance period.

(g) The density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.

The facility must keep records of the date, time, and duration of any deviations.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 0 days after the reporting period.

The initial report is due 12/31/2014.

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

**Condition 61: Length of time to keep records**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.3931, Subpart M**

**Item 61.1:**

This Condition applies to Emission Unit: E-00006

**Item 61.2:**

Records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

As specified in §63.10(b)(1), the facility must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record

The facility must keep each record on-site for at least 2 years after the date of the occurrence, measurement, maintenance, corrective action, report, or record according to §63.10(b)(1). The records may be kept off-site for the remaining 3 years.

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**Condition 62: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 40CFR 63.3950, Subpart M**

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must complete the initial compliance demonstration for the initial compliance period according to the requirements of §63.3951. The initial compliance period begins on the applicable compliance date specified in §63.3883 and ends on the last day of the 12th month following the compliance date. If the compliance date occurs on any day other than the first day of a month, then the initial compliance period extends through the end of that month plus the next 12 months.

The facility must determine the mass of organic HAP emissions and volume of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. The initial compliance demonstration includes the calculations according to §63.3951 and supporting documentation showing that during the initial compliance period the organic HAP emission rate was equal to or less than the applicable emission limit in §63.3890.

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 1/30/2015.

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

**Condition 63: Compliance Certification**

**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable Federal Requirement: 6 NYCRR 228-1.4 (b) (4) (ii)**

**Item 63.1:**

The Compliance Certification activity will be performed for:

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Emission Unit: E-00006

Process: 015

Regulated Contaminant(s):

CAS No: 0NY998-00-0      VOC

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

This facility is authorized to use air dried extreme performance coatings as defined in this subpart. The use of coatings exceeding 3.5 pounds of VOC per gallon, minus water and excluded VOC at application is prohibited. VOC content must be verified through MSDS records. Testing of coatings as applied shall be at the discretion of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: COATING

Parameter Monitored: VOC CONTENT

Upper Permit Limit: 3.5 pounds per gallon

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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: 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 applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.**

**Condition 64: Contaminant List**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

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

**Item 64.1:**

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

CAS No: 000996-35-0

Name: 2-PROPANAMINE, N,N-DIMETHYL

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

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

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

**Condition 65: Malfunctions and start-up/shutdown activities**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

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

**Item 65.1:**

(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 66: Unavoidable noncompliance and violations**





Effective between the dates of 12/03/2014 and 12/02/2019

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

**Item 66.1:**

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.

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**Condition 67: Visible Emissions Limited**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 67.1:**

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

**Condition 68: Compliance Demonstration**  
**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 68.1:**

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

Emission Unit: E-00001

Emission Unit: E-00002

Emission Unit: E-00003

Emission Unit: E-00005

Emission Unit: E-00006

**Item 68.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

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2) The results of each observation must be recorded in either a bound logbook or an electronic data record in a format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

This data must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the log. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

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

**Condition 69: Compliance Demonstration**

**New York State Department of Environmental Conservation**

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**Facility DEC ID: 8070400025**



**Effective between the dates of 12/03/2014 and 12/02/2019**

**Applicable State Requirement:6 NYCRR 212.4 (a)**

**Item 69.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-00005

Emission Point: 00085

Regulated Contaminant(s):

CAS No: 000996-35-0

2-PROPANAMINE, N,N-DIMETHYL

**Item 69.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Scrubber pH must be monitored and recorded once daily.

Scrubber pH must be maintained at no more than 5.

Parameter Monitored: PH

Upper Permit Limit: 5 pH (STANDARD) units

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

