

Facility DEC ID: 8070400025

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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
 Permit ID: 8-0704-00025/00059  
 Effective Date:

Expiration Date:

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:  
 Second renewal and modification of the McWane Inc. Title V Facility Permit for the Kennedy Valve Division of McWane Inc. facility, which manufactures valves and hydrants used primarily in potable water systems. Facility operations include an iron foundry, 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), particulate matter (PM), and volatile organic compounds (VOCs) greater than 100 tons per year.

The permit incorporates projects which were approved under Operational Flexibility including: Addition of two new core making machines under Process 013, Emission Source S0038; replacement of an existing core making machine with a new core making machine under Emission Source S0038; and the addition of a gas metal arc welding process as Process 024, Emission Source S0034 under existing Emission Unit E-00006 that is controlled using a new dust collector (Emission Source S0092.)

Permit renewal 2 also includes the following additional changes to the facility Air Title V permit: Emission Source S0038 has been added as part of this permit renewal to differentiate the Isocure and Novaset core making machines (previously both permitted under Emission Source S0021); Process 007 and Emission Source S0015 have been removed from the permit since this process is equipped with a new dust collection system and the exhaust is recycled back into the facility and does not emit to the outdoor atmosphere; and other minor permit condition changes as necessary.

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No changes to the 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, are proposed.

Permit Renewal 2 continues restrictions on facility emissions of hazardous air pollutants (HAP) to below 25 ton per year total HAP and 10 ton per year individual HAP applicability thresholds in 40CFR 63 Subpart EEEEE regulations for iron and steel foundries.

Permit Renewal 2 continues to restrict the annual amount of iron melted to 75,000 tons, and that specifies that records of usage of all coatings and processes emitting HAP must continue to be maintained to document HAP emissions.

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: THOMAS P HALEY  
6274 E AVON LIMA RD  
AVON, NY 14414-9519

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

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### 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.

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- 5 4 Permit modifications, suspensions or revocations by the Department

**Facility Level**

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**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 the expiration of permits for Title V and State Facility Permits.

**Item 3.3**

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

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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

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**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:

Permit Expiration Date:

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12	6	6 NYCRR 201-6.4 (e): Compliance Certification
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**EU=E-00001**

- 46 41 40CFR 63.10885(a)(1), Subpart ZZZZZ: Compliance Certification
- 47 42 40CFR 63.10895(b), Subpart ZZZZZ: Compliance Certification
- 47 43 40CFR 63.10896(a), Subpart ZZZZZ: Compliance Certification
- 48 44 40CFR 63.10897(a)(1), Subpart ZZZZZ: Compliance Certification
- 49 45 40CFR 63.10897(d), Subpart ZZZZZ: Compliance Certification

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

- 52 46 6 NYCRR 216.3: Compliance Certification

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

- 52 47 6 NYCRR 216.3: Compliance Certification

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

- 53 48 6 NYCRR 216.3: Compliance Certification
- 54 49 40CFR 63.10895(c)(1), Subpart ZZZZZ: Compliance Certification

**EU=E-00003,Proc=006,ES=S0089**

- 55 50 6 NYCRR 216.3: Compliance Certification

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

- 56 51 6 NYCRR 216.3: Compliance Certification

**EU=E-00005**

- 57 52 40CFR 63.10886, Subpart ZZZZZ: Compliance Certification

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

- 57 53 6 NYCRR 228-1.1 (a) (3): Compliance Certification
- 58 54 6 NYCRR 228-1.3 (a): Compliance Certification
- 59 55 6 NYCRR 228-1.3 (b) (1): Compliance Certification
- 60 56 6 NYCRR 228-1.3 (d): Surface Coating - Handling, storage and disposal
- 61 57 6 NYCRR 228-1.4 (b) (4) (ii): Compliance Certification
- 62 58 6 NYCRR 228-1.6 (a): Compliance Certification
- 62 59 6 NYCRR 228-1.6 (c): Surface coating access for sampling
- 63 60 40CFR 63.3890(b)(1), Subpart MMMM: Compliance Certification
- 64 61 40CFR 63.3891(b), Subpart MMMM: Compliance Certification
- 64 62 40CFR 63.3901, Subpart MMMM: General Provisions
- 65 63 40CFR 63.3910(c), Subpart MMMM: Compliance Certification
- 66 64 40CFR 63.3920(a), Subpart MMMM: Compliance Certification
- 68 65 40CFR 63.3930, Subpart MMMM: Compliance Certification
- 70 66 40CFR 63.3931, Subpart MMMM: Length of time to keep records
- 70 67 40CFR 63.3950, Subpart MMMM: Compliance Certification

**EU=E-00006,Proc=024**

- 71 68 40CFR 63.11516(f), Subpart XXXXXX: Compliance Certification
- 72 69 40CFR 63.11519(a), Subpart XXXXXX: Compliance Certification
- 73 70 40CFR 63.11519(b), Subpart XXXXXX: Compliance Certification
- 73 71 40CFR 63.11519(c), Subpart XXXXXX: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

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- 76 72 ECL 19-0301: Contaminant List
- 77 73 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 77 74 6 NYCRR 211.1: Air pollution prohibited

**Emission Unit Level**

**EU=E-00005,Proc=013**

- 78 75 6 NYCRR 212-2.3 (b): Compliance Demonstration

**EU=E-00005,Proc=013,ES=S0024**

- 79 76 6 NYCRR 212-2.3 (b): Compliance Demonstration

**EU=E-00006,Proc=024**

- 80 77 6 NYCRR 212-2.4 (b): Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.

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**FEDERALLY ENFORCEABLE CONDITIONS**

Renewal 2/DRAFT

\*\*\*\* 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: 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 B: 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 C: 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 D: 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 E: 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

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reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

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

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

**Item H: 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 I: 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

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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 J: 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. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.

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

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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

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

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

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

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 for entire length of Permit****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

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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2: Fees  
Effective for entire length of Permit**

**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 for entire length of Permit**

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

**Item 3.1:**

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 for entire length of Permit**

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

**Item 4.1:**

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

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reports required by the permit.

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

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

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,



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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 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

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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.

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

**Condition 6: Compliance Certification**  
**Effective for entire length of Permit**

**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;

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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. 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 – Air Compliance Branch  
 USEPA Region 2 DECA/ACB  
 290 Broadway, 21st Floor  
 New York, NY 10007

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

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Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2020.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**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 for entire length of Permit**

**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 for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 215.2**

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**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.
- (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**

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**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 for entire length of Permit**

**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 effectively.

**Condition 11: Recycling and Salvage  
Effective for entire length of Permit**

**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 for entire length of Permit**

**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 for entire length of Permit**

**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.

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**Condition 14: Trivial Sources - Proof of Eligibility**  
**Effective for entire length of Permit**

**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 for entire length of Permit**

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

**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 for entire length of Permit**

**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.

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**Condition 17: Off Permit Changes**  
**Effective for entire length of Permit****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 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 for entire length of Permit****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 for entire length of Permit****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;



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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 for entire length of Permit**

**Applicable Federal Requirement: 40 CFR 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 for entire length of Permit**

**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) natural gas-fired stationary combustion sources (boilers and dryers) that 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));

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

Four (4) cold solvent degreaser units (201-3.2(c)(39)(i));

One (1) sand screener, interior exhaust; and

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 1 calendar month(s).

**Condition 22: Emission Unit Definition**  
**Effective for entire length of Permit**

**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

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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; 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 and welded as necessary, they are surface coated as needed in one of two powder coat booths or spray booths. The coating booths are equipped with fabric filters to reduce emissions of particulate matter.

Building(s): E  
H

**Condition 23: Progress Reports Due Semiannually  
Effective for entire length of Permit**

**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:

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(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 for entire length of Permit**

**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

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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.

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### 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

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: Non Applicable requirements  
Effective for entire length of Permit**

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

#### **Item 25.1:**

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

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40 CFR Part 63, Subpart XXXXXX  
 Emission Unit: E00006 Process: 024  
 Reason: Based on information submitted to the Department, facility usage of welding rod containing a metal fabrication HAP (MFHAP) will not exceed 2,000 pounds per year. Therefore, facility welding operations are not subject to the management practices under 40 CFR 63.11516(f)(3)-(8). Additionally, since facility surface coating operations do not use coatings containing a MFHAP, they are not subject to the requirements of 40 CFR 63, Subpart XXXXXX. The facility must maintain records of welding rod usage and coating content, as required elsewhere in this permit, to demonstrate that these processes continue to meet their respective exemptions described above.

**Condition 26: Facility Permissible Emissions  
 Effective for entire length of Permit**

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

**Item 26.1:**

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: 000071-43-2	PTE: 19,800 pounds per year
Name: BENZENE	
CAS No: 000108-95-2	PTE: 19,800 pounds per year
Name: PHENOL	
CAS No: 0NY100-00-0	PTE: 49,800 pounds per year
Name: TOTAL HAP	

**Condition 27: Capping Monitoring Condition  
 Effective for entire length of Permit**

**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:**

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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:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):  
 CAS No: 000108-95-2      PHENOL  
 CAS No: 000071-43-2      BENZENE

**Item 27.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

To remain below the applicability thresholds of 40 CFR 63, Subpart EEEEE, facility annual emissions of the above individual Hazardous Air Pollutants (HAPs) must not exceed 9.9 tpy on a twelve-month rolling basis. To demonstrate compliance with this limit, individual HAP emissions must be calculated on a monthly basis and incorporated into a twelve-month rolling total.

HAP emissions from the preheating, melting, inoculation, pouring/cooling, and shakeout processes (Emission Units



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E-00001 and E-00002) must be calculated using the following process-specific emission factors. Other HAP emissions generated at the facility (e.g., 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. Records of emissions and supporting documents must be maintained on site for at least five years and made available to the Department upon request.

Emission Unit E-00001  
Process#001: Scrap Preheater

Chemical [CAS #]  
lb/ton metal  
Total HAPs  
3.24E-03  
Lead (Pb) [7439-92-1]  
8.28E-04  
Manganese (Mn) [7433-96-5]  
1.56E-03

Emission Unit E-00001  
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

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Nickel (Ni) [7440-02-0]  
7.10E-04

Emission Unit E-00001  
Process #003: Inoculation

Chemical [CAS #]  
lb/ton ductile metal

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

Emission Unit E-00002  
Process #004, #005, #006: Pouring,  
Cooling, Shakeout

Pouring, Cooling, Shakeout

Organics  
Chemical [CAS #]  
lb/ton metal  
Total Organic HAPs  
4.37E-01  
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 [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

Pouring/Cooling Inorganics  
 Chemical [CAS #]  
 lb/ton metal  
 Antimony (Sb) [7440-36-0]  
 6.21E-05  
 Arsenic (As) [7440-38-2]  
 1.14E-05  
 Cadmium (Cd) [7440-43-9]  
 5.25E-05  
 Chromium (Cr) [7440-47-3]  
 3.79E-04  
 Cobalt (Co) [7440-48-4]  
 5.30E-03  
 Manganese (Mn) [7433-96-5]  
 3.16E-03  
 Nickel (Ni) [7440-02-0]  
 1.10E-03  
 Selenium (Se) [7782-49-2]  
 2.46E-05

Shakeout Inorganics  
 Chemical [CAS #]  
 lb/ton metal  
 Antimony (Sb) [7440-36-0]  
 7.59E-06  
 Cadmium (Cd) [7440-43-9]  
 1.67E-05  
 Chromium (Cr) [7440-47-3]  
 3.00E-04  
 Cobalt (Co) [7440-48-4]  
 2.49E-04  
 Manganese (Mg) [7433-96-5]  
 7.47E-04  
 Nickel (Ni) [7440-02-0]  
 6.66E-04

Parameter Monitored: BENZENE  
 Upper Permit Limit: 9.9 tons per year  
 Monitoring Frequency: MONTHLY

Permit ID: 8-0704-00025/00059

Facility DEC ID: 8070400025

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

**Condition 28: Capping Monitoring Condition  
 Effective for entire length of Permit**

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

**Item 28.1:**

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 28.2:**

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

**Item 28.3:**

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 28.4:**

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 28.5:**

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 28.6:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 28.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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Facility DEC ID: 8070400025

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

Monitoring Description:

To remain below the applicability thresholds of 40 CFR 63, Subpart EEEEE, facility aggregate annual emissions of total Hazardous Air Pollutants (HAPs) must not exceed 24.9 tons per year on a twelve-month rolling basis. To demonstrate compliance with this limit, total HAP emissions must be calculated on a monthly basis and incorporated into a twelve-month rolling total.

HAP emissions from the preheating, melting, inoculation, pouring/cooling, and shakeout processes (Emission Units E-00001 and E-00002) must be calculated using the following process-specific emission factors. Other HAP emissions generated at the facility (e.g., 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. Records of emissions and supporting documents must be maintained on site for at least five years and made available to the Department upon request.

Emission Unit E-00001  
 Process#001: Scrap Preheater

Chemical [CAS #]  
 lb/ton metal  
 Total HAPs  
 3.24E-03  
 Lead (Pb) [7439-92-1]  
 8.28E-04  
 Manganese (Mn) [7433-96-5]  
 1.56E-03

Emission Unit E-00001  
 Process #002: Electric Induction Furnace  
 Melting

Chemical [CAS #]

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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 E-00001  
 Process #003: Inoculation

Chemical [CAS #]  
 lb/ton ductile metal

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

Emission Unit E-00002  
 Process #004, #005, #006: Pouring,  
 Cooling, Shakeout

Pouring, Cooling, Shakeout  
 Organics  
 Chemical [CAS #]  
 lb/ton metal  
 Total Organic HAPs  
 4.37E-01  
 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]

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2.60E-03  
 Ethylbenzene [100-41-4]  
 6.30E-03  
 Hexane [110-54-3]  
 4.90E-03  
 Formaldehyde [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  
 Phenol [108-95-2]  
 7.59E-02  
 N,N-Dimethylamine [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

Pouring/Cooling Inorganics

Chemical [CAS #]  
 lb/ton metal  
 Antimony (Sb) [7440-36-0]  
 6.21E-05  
 Arsenic (As) [7440-38-2]  
 1.14E-05  
 Cadmium (Cd) [7440-43-9]  
 5.25E-05  
 Chromium (Cr) [7440-47-3]  
 3.79E-04  
 Cobalt (Co) [7440-48-4]  
 5.30E-03  
 Manganese (Mn) [7433-96-5]  
 3.16E-03  
 Nickel (Ni) [7440-02-0]  
 1.10E-03  
 Selenium (Se) [7782-49-2]  
 2.46E-05

Shakeout Inorganics

Chemical [CAS #]

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lb/ton metal  
 Antimony (Sb) [7440-36-0]  
 7.59E-06  
 Cadmium (Cd) [7440-43-9]  
 1.67E-05  
 Chromium (Cr) [7440-47-3]  
 3.00E-04  
 Cobalt (Co) [7440-48-4]  
 2.49E-04  
 Manganese (Mg) [7433-96-5]  
 7.47E-04  
 Nickel (Ni) [7440-02-0]  
 6.66E-04

Parameter Monitored: TOTAL HAP  
 Upper Permit Limit: 24.9 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.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 29: Capping Monitoring Condition  
 Effective for entire length of Permit**

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

**Item 29.1:**

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 29.2:**

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

**Item 29.3:**

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 29.4:**

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



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applicable requirement.

**Item 29.5:**

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 29.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 29.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Total Hazardous Air Pollutant (HAP) emissions will be limited by restricting the total quantity of iron melted to no more than 75000 tons per year on a rolling twelve-month basis. To demonstrate compliance with this limit the facility must record the quantity of iron melted on a monthly basis and incorporate it into a twelve-month rolling total. Iron melt quantity records and supporting documents must be maintained on site for at least five years and made available to the Department upon request.

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.

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

**Condition 30: Visible Emissions Limited**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 211.2**

**Item 30.1:**

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 31: Compliance Certification**

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**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 211.2**

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

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

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).
- 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 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

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

**Condition 32: Particulate emission limit**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 216.3**

**Item 32.1:**  
 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 33: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 216.4**

**Item 33.1:**  
 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 33.2:**  
 Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

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## DEVICE PARAMETERS AS SURROGATE

## 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 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

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

**Condition 34: Surface Coating- Prohibitions**  
**Effective for entire length of Permit**

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

**Item 34.1:**

(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;
- (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 35: Applicability**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII**

**Item 35.1:**

Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

**Condition 36: Applicability**

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**Effective for entire length of Permit**

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

**Item 36.1:**

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

**Condition 37: Use Of Scrap That Does Not Contain Motor Vehicle Scrap  
Effective for entire length of Permit**

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

**Item 37.1:**

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 38: Compliance Certification  
Effective for entire length of Permit**

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

**Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 38.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must not discharge to the atmosphere fugitive emissions from foundry operations that exhibit opacity greater than 20 percent (6-minute average), except for one 6-minute average per hour that does not exceed 30 percent. The fugitive opacity limits of 20 percent are applicable to emissions emanating from building openings.

To demonstrate compliance with the fugitive opacity limit, the facility must conduct semi-annual Method 9 or Method 22 performance tests while the facility is in operation. Testing must be conducted in accordance with the test methods indicated below and with the requirements in Table 1 to 40 CFR 63, Subpart ZZZZZ and 40 CFR 63.6(h). The facility must notify the Department in writing of the anticipated date for conducting the test and the results of each test submitted to the Department.

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Parameter Monitored: OPACITY  
 Upper Permit Limit: 20 percent  
 Reference Test Method: EPA Method 9 or EPA Method 22  
 Monitoring Frequency: SEMI-ANNUALLY  
 Averaging Method: 6 MINUTE AVERAGE  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 6 calendar month(s).

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

**Condition 39: Emission Point Definition By Emission Unit  
 Effective for entire length of Permit**

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

**Item 39.1:**

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 39.2:**

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

Emission Unit: E-00002  
  
 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

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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 39.3:**

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 39.4:**

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 39.5:**

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

Emission Unit: E-00006

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 40: Process Definition By Emission Unit  
 Effective for entire length of Permit**

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

**Item 40.1:**

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:  
 Scrap Preheating: Pig iron, returns, scrap steel, and machine cast is preheated using a natural gas-fired



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preheater prior to melting to a temperature of 1,100 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 40.2:**

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:  
Iron Melting: Preheated metal scrap is melted using coreless induction furnaces. Alloys are added as needed for desired metal chemistry.

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

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

Emission Source/Control: S0002 - Process

**Item 40.3:**

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

Emission Unit: E-00001  
Process: 003 Source Classification Code: 3-04-003-20  
Process Description:  
Ductile Treatment: Magnesium is added to the treatment ladle as needed 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 40.4:**

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

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Process Description:

Iron Pouring: 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 40.5:**

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:

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

Emission Source/Control: S0008 - Process

**Item 40.6:**

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:

Casting Shakeout: 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

Emission Source/Control: S0009 - Process

**Item 40.7:**

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:

Mold Making: Recycled sand from the sand system is used to produce sand molds.

Emission Source/Control: S0016 - Process

**Item 40.8:**

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:

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Core Making: Resin coated sand is purchased in large tote bags and transferred as needed into hoppers over ten shell core 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 40.9:**

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:

Core making: Uncoated sand is metered into five core machines where 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: S0021 - Process

**Item 40.10:**

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:

Core making: Uncoated sand is pneumatically conveyed into five 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 one of three ovens associated with three (3) of the machines.

Emission Source/Control: S0024 - Control

Control Type: WET SCRUBBER

Emission Source/Control: S0038 - Process

**Item 40.11:**

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:

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

Emission Source/Control: S0035 - Control

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Control Type: FABRIC FILTER

Emission Source/Control: S0026 - Process

Emission Source/Control: S0029 - Process

**Item 40.12:**

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

Emission Unit: E-00006

Process: 024

Source Classification Code: 3-09-052-76

Process Description:

Industrial Welding: Castings are spot welded using a gas metal arc welding (GMAW) process.

Emission Source/Control: S0092 - Control

Control Type: FABRIC FILTER

Emission Source/Control: S0034 - Process

**Condition 41: Compliance Certification  
Effective for entire length of Permit**

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

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

**Item 41.2:**

Compliance Certification shall include the following monitoring:

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).

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

**Condition 42: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

**Item 42.2:**

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

**Condition 43: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

**Item 43.2:**

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

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§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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 44: Compliance Certification  
Effective for entire length of Permit**

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

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

**Item 44.2:**

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

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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.

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

**Condition 45: Compliance Certification  
Effective for entire length of Permit**

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

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

**Item 45.2:**

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.

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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



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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 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

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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.

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

**Condition 46: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 216.3**

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

Process: 002

Emission Source: S0088

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 46.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure proper operation of this control device, the 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.

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

**Condition 47: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 216.3**

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**Item 47.1:**

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 47.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure proper operation of this control device, the 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.

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

**Condition 48: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 216.3**

**Item 48.1:**

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 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of particulates from this emission point shall not exceed the mass emission limit of 0.050 grains per

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cubic foot of exhaust gas on a dry gas basis, as required in Part 216 Table 1. To demonstrate compliance with this limit, the facility must conduct a stack test once per five-year permit term according to the applicable requirements of 6 NCYRR 216.9 and 6 NYCRR 202-1.

Per 6 NYCRR 216.9, the stack test must be conducted using EPA Method 5 at a minimum sampling rate of 0.9 dry standard cubic meters per hour (0.53 dry standard cubic feet per minute.) The minimum time per test run is 60 minutes. Requests to use test runs shorter than 60 minutes due to operational impracticability must be submitted in writing with the test protocol submission for prior approval by the Department. A test protocol must be submitted to the Department not less than 30 days prior to the test date in accordance with 6 NYCRR 202-1. A test report must be submitted in triplicate to the Department within 60 days after completion of the test. Copies of test reports must be maintained by the facility for a period of at least five years.

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.

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

**Condition 49: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 49.1:**

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 49.2:**

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

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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 the methods in 40 CFR 63.10898(d), (e), or (f).

Compliance with this limit must be demonstrated using the particulate matter concentration measured during the most recent stack test for this emission point required under 6 NYCRR 216.3, as described elsewhere in this permit. This compliance demonstration must be completed once per five-year permit term and the results maintained by the facility for a period of at least five years.

Parameter Monitored: PARTICULATES  
 Upper Permit Limit: 0.8 pounds per ton  
 Reference Test Method: Method 5  
 Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
 Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 50: Compliance Certification  
 Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 216.3**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00003  
 Process: 006 Emission Source: S0089

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

**Item 50.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure proper operation of this control device, the pressure drop across the baghouse must not fall outside the range of 4 to 10 inches of water. The pressure drop will be monitored on a continuous recording device approved by the Department.

Parameter Monitored: PRESSURE DROP  
 Lower Permit Limit: 4 inches of water  
 Upper Permit Limit: 10 inches of water

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

**Condition 51: Compliance Certification  
 Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 216.3**

**Item 51.1:**

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 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of particulates from this emission point 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. To demonstrate compliance with this limit, the facility must conduct a stack test once per five-year permit term according to the applicable requirements of 6 NYCRR 216.9 and 6 NYCRR 202-1.

Per 6 NYCRR 216.9, the stack test must be conducted using EPA Method 5 at a minimum sampling rate of 0.9 dry standard cubic meters per hour (0.53 dry standard cubic feet per minute.) The minimum time per test run is 60 minutes. Requests to use test runs shorter than 60 minutes due to operational impracticability must be submitted in writing with the test protocol submission for prior approval by the Department. A test protocol must be submitted to the Department not less than 30 days prior to the test date in accordance with 6 NYCRR 202-1. A test report must be submitted in triplicate to the Department within 60 days after completion of the test. Copies of test reports must be maintained by the facility for a period of at least five years.

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

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Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 52: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00005

**Item 52.2:**

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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 53: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Process: 015

**Item 53.2:**

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.

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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.

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

**Condition 54: Compliance Certification  
Effective for entire length of Permit**

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

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Process: 015

**Item 54.2:**

Compliance Certification shall include the following monitoring:

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

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



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

**Condition 55: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006  
 Process: 015

**Item 55.2:**

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

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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 56: Surface Coating - Handling, storage and disposal Effective for entire length of Permit**

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

**Item 56.1:**

This Condition applies to Emission Unit: E-00006  
Process: 015

**Item 56.2:**

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;

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- (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 57: Compliance Certification  
Effective for entire length of Permit**

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

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006  
Process: 015

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

**Item 57.2:**

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 air dried extreme performance 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 or product Technical Data Sheet records.

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Testing of coatings as applied shall be conducted 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.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 58: Compliance Certification  
 Effective for entire length of Permit**

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

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006  
 Process: 015

**Item 58.2:**

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.

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 59: Surface coating access for sampling  
 Effective for entire length of Permit**

Permit ID: 8-0704-00025/00059

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

**Item 59.1:**

This Condition applies to Emission Unit: E-00006  
Process: 015

**Item 59.2:**

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 60: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006  
Process: 015

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

**Item 60.2:**

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 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

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Upper Permit Limit: 0.31 kilograms organic HAP per  
kilogram solids applied  
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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 61: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006  
Process: 015

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

**Item 61.2:**

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

**Condition 62: General Provisions**  
**Effective for entire length of Permit**

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

**Item 62.1:**

Permit ID: 8-0704-00025/00059

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This Condition applies to Emission Unit: E-00006  
 Process: 015

**Item 62.2:**

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

**Condition 63: Compliance Certification  
 Effective for entire length of Permit**

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

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006  
 Process: 015

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

**Item 63.2:**

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

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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 64: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.3920(a), Subpart M**

**Item 64.1:**

The Compliance Certification activity will be performed for:



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Facility DEC ID: 8070400025

Emission Unit: E-00006  
Process: 015

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

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must submit semiannual compliance reports for each affected source according to §63.3920(a)(1)-(7).

Unless the EPA Administrator agrees to an alternative schedule, the facility must submit semiannual reports on the following schedule:

The first semiannual period will begin after the initial compliance period described in §63.3940, 3950, or 3960 ends and the semiannual period ends on June 30th or December 31st, whichever date is the first date following the end of the initial compliance period. The first semiannual report will be due on July 31st or January 31st, whichever date is the first date following the end of the semiannual period. Each subsequent report will be due on July 31st or January 31st and will cover the six months previous (7/31 report will cover 1/1-6/30 and the 1/31 report will cover 7/1-12/31). If the source is subject to title V permitting regulations pursuant to 40 CFR 70 or 71, and if NYS DEC has established dates for submitting semiannual reports for title V, the facility may submit the first and subsequent compliance reports according to the dates DEC has established instead of the dates listed in this paragraph.

Each affected source that has obtained a title V operating permit must report all deviations as defined in Subpart MMMM in the semiannual monitoring report required in Parts 70 and 71. If an affected source submits a semiannual report pursuant to this condition along with, or as part of, the semiannual report for title V, and the semiannual report includes all required information concerning deviations from any emission limitation in Subpart MMMM, the submission will be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submissions of a semiannual report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the NYSDEC.

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The semiannual compliance report shall contain the information listed in §63.3920(a)(3)(i)-(vii), and the information specified in §63.3920(a)(4)-(7) and (c)(1) that is applicable to the affected source.

If there were no deviations from the emission limits in §63.3890, 3892, or 3893, the semiannual compliance report must include a statement that there were no deviations from the emission limits during the reporting periods. For affected sources opting to comply with the emission limit by using add-on controls and there were no periods during which the continuous parameter monitoring system (CPMS) were out-of-control as specified in §63.8(c)(7), then the semiannual report shall contain a statement that there were no periods during which the CPMS were out-of-control during the reporting period.

If the facility is using the compliant coating option and there was a deviation from any applicable emission limit(s), then the semiannual report shall contain the information listed in §63.3920(a)(5)(i)-(iv)

If the facility is using the emission rate without add-on control option and there was a deviation from any applicable emission limit(s), then the semiannual report shall contain the information listed in §63.3920(a)(6)(i)-(iii)

If the facility is using the emission rate with add-on control option and there was a deviation from any applicable emission limit(s), then the semiannual report shall contain the information listed in §63.3920(a)(7)(i)-(xiv)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 65: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Process: 015

Regulated Contaminant(s):

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Facility DEC ID: 8070400025

CAS No: 0NY100-00-0 TOTAL HAP

**Item 65.2:**

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 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

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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 30 days after the reporting period.

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

**Condition 66: Length of time to keep records  
Effective for entire length of Permit**

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

**Item 66.1:**

This Condition applies to Emission Unit: E-00006  
Process: 015

**Item 66.2:**

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.

**Condition 67: Compliance Certification  
Effective for entire length of Permit**

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

**Item 67.1:**

The Compliance Certification activity will be performed for:

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Emission Unit: E-00006  
 Process: 015

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

**Item 67.2:**

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

**Condition 68: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.11516(f), Subpart XXXXXX**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006  
 Process: 024

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

**Item 68.2:**

Permit ID: 8-0704-00025/00059

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For all welding operations which use metal fabrication HAPs (MFHAP) as defined in §63.11522, the facility must comply with the requirements listed in §63.11516(f)(1) and (2).

If the welding operations at the facility use at least 2000 pounds per year, calculated on a 12-month total, rolled monthly, of welding rods which contain one or more of the metal fabrication HAPs, then the facility must demonstrate that management practices or fume control measures are being implemented by complying with the requirements listed in §63.11516(f)(3)-(8).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 69: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.11519(a), Subpart XXXXXX**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Process: 024

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 69.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each new affected source subject to the requirements of 40 CFR 63, Subpart XXXXXX, the facility must submit a notification of compliance status within 120 days after initial startup, or by November 20, 2008, whichever is later. The notification of compliance status must contain the information specified in 40 CFR 63.11519(a)(2)(i)-(iv).

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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**Condition 70: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.11519(b), Subpart XXXXXX**

**Item 70.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Process: 024

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 70.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any facility subject to the provisions in 40 CFR 63, subpart XXXXXX must prepare and submit annual certification and compliance reports for each affected source according to the requirements of §63.11519(b)(2)-(6).

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 71: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.11519(c), Subpart XXXXXX**

**Item 71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-00006

Process: 024

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

**Item 71.2:**

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 in §63.11519(c)(1)-(14), according to the provisions in §63.11519(c)(15).

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



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**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

An emergency, as defined 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: 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

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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 72: Contaminant List  
Effective for entire length of Permit**

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

**Item 72.1:**

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

CAS No: 000071-43-2  
Name: BENZENE

CAS No: 000108-95-2  
Name: PHENOL

CAS No: 000926-63-6  
Name: N,N-DIMETHYLPROPYLAMINE

CAS No: 000996-35-0  
Name: 2-PROPANAMINE, N,N-DIMETHYL

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

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

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

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**Condition 73: Malfunctions and start-up/shutdown activities  
Effective for entire length of Permit**

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

**Item 73.1:**

(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 (d) 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 74: Air pollution prohibited  
Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 211.1**

**Item 74.1:**

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

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property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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

**Condition 75: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6 NYCRR 212-2.3 (b)**

**Item 75.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-00005  
Process: 013

Regulated Contaminant(s):

CAS No: 000996-35-0	2-PROPANAMINE, N,N-DIMETHYL
CAS No: 000926-63-6	N,N-DIMETHYLPROPYLAMINE

**Item 75.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility owner or operator shall not allow emissions of the air contaminant(s) listed above to exceed the requirements specified in Subdivision 212-2.3(b), Table 4 – Degree of Air Cleaning Required for Non-Criteria Air Contaminants. The above listed contaminants have been given an Environmental Rating of “B” for the associated process emission source. The listed contaminants have been demonstrated to have an emission rate potential (ERP) of less than 10 pounds/hour and ambient impacts below the annual and short-term guideline concentrations (AGC & SGC).

The facility must maintain records to demonstrate that none of the contaminants have had an increased ERP. Any increase in the ERP of a contaminant will require a reevaluation of ambient impacts of that contaminant to demonstrate ambient impacts are below the AGC & SGC.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 76: Compliance Demonstration  
 Effective for entire length of Permit**

**Applicable State Requirement: 6 NYCRR 212-2.3 (b)**

**Item 76.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-00005

Process: 013

Emission Source: S0024

Regulated Contaminant(s):

CAS No: 000996-35-0

2-PROPANAMINE, N,N-DIMETHYL

CAS No: 000926-63-6

N,N-DIMETHYLPROPYLAMINE

**Item 76.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

To ensure emissions of the air contaminant(s) listed above do not exceed the requirements specified in Subdivision 212-2.3(b), Table 4 - Degree of Air Cleaning Required for Non-Criteria Air Contaminants, the facility must operate a wet scrubber when the associated emission source is in operation. The pH of the scrubbing liquid must be maintained below 5. To demonstrate compliance with this requirement the facility must monitor and record the pH of the scrubbing liquid once per day using a pH meter. Records of pH monitoring must be kept by the facility in a format acceptable to the Department. pH monitoring records must be maintained by the facility for a period of at least five years.

The Department reserves the right to perform or request a performance test of the wet scrubbing systems at any time.

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.

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

**Condition 77: Compliance Demonstration**

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**Effective for entire length of Permit**

**Applicable State Requirement: 6 NYCRR 212-2.4 (b)**

**Item 77.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-00006  
Process: 024

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

**Item 77.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For solid particulates that have been given an environmental rating of "B" or "C", the facility will not cause or allow emissions of solid particulates that exceed 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis as specified in Subpart 212-2.4. The above listed contaminants are solid particulates and have been given an Environmental Rating of "B".

The facility must investigate, in a timely manner, any instance where there is cause to believe that particulate emissions above 0.050 grains/dscf are occurring or have occurred. These instances include, but are not limited to, process upsets, control device malfunctions or problems, abnormal visible emissions, complaints, etc. The facility must determine the cause of any exceedance, take necessary corrective actions, and verify that the emissions problem has been corrected. The Department reserves the right to perform or require performance of a Method 5 emissions evaluation at any time.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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