

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 4422400001**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 4-4224-00001/00103  
Effective Date: 08/02/2002 Expiration Date: 08/02/2007

Permit Issued To: GENERAL ELECTRIC CO  
3135 EASTON TPKE  
FAIRFIELD, CT 06431

Contact: SHIRO G KIMURA  
CORPORATE RESEARCH & DEVELOPMENT  
1 RESEARCH CIRCLE  
SCHENECTADY, NY 12309  
(518) 387-6653

Facility: GE GLOBAL RESEARCH CENTER  
1 RESEARCH CIRCLE  
NISKAYUNA, NY 12309

Contact: SHIRO G KIMURA  
CORPORATE RESEARCH & DEVELOPMENT  
1 RESEARCH CIRCLE  
SCHENECTADY, NY 12309  
(518) 387-6653

Description:

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: JOHN H FELTMAN  
DIVISION OF ENVIRONMENTAL PERMITS  
1150 NORTH WESTCOTT RD  
SCHENECTADY, NY 12306-2014

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



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 4  
HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

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

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

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305.**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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



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

**Condition 4: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 4.1:**

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

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

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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 4 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

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

NYSDEC Regional Permit Administrator  
Region 4 Headquarters  
Division of Environmental Permits  
1150 North Westcott Rd.  
Schenectady, NY 12306-2014  
(518) 357-2069



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

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

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Authorized Activity By Standard Industrial



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 Emission Unit Definition
- 3 Recordkeeping and reporting of compliance monitoring
- 4 Monitoring, Related Recordkeeping, and Reporting Requirements.
- 2 Compliance Certification
- 5 Compliance Certification
- 6 Compliance Certification
- 7 Non Applicable requirements
- 8 Title V Facility Capping Provisions (used if a Title v facility is using capping for SOME of its emissions)
- 9 Notification
- 10 Acceptable procedures
- 11 Prohibitions
- 12 Compliance Certification
- 13 Required contents of an emission statement.
- 14 Recordkeeping requirements
- 15 Submittal of Episode Action Plans
- 16 Compliance Certification
- 17 Compliance Certification
- 18 Compliance.
- 19 Compliance Certification
- 20 Compliance Certification
- 21 Sampling, compositing, and analysis of fuel samples
- 22 Sale of waste fuel prohibitions.
- 23 Corrective action.
- 24 Corrective action.
- 25 Corrective action.
- 26 Corrective action.
- 27 This condition states the facility is applicable to NOx RACT.
- 28 Compliance must be demonstrated upon start up
- 29 Once in, always in
- 30 National Emission Standard for Asbestos
- 31 Accidental release provisions.
- 32 Recycling and Emissions Reduction
- 33 Compliance Certification
- 34 Compliance Certification

**Emission Unit Level**

- 35 Emission Point Definition By Emission Unit
- 36 Process Definition By Emission Unit
- 37 Emission Unit Permissible Emissions
- 38 Compliance Certification (EU=A-10000)
- 39 Compliance Certification (EU=A-10000,Proc=A01,ES=AP100)
- 40 Compliance Certification (EU=A-10000,Proc=A01,ES=AP200)



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- 41 Compliance Certification (EU=A-10000,Proc=A01,ES=BL600)
- 42 Compliance Certification (EU=B-18201,EP=18201)
- 43 Compliance Certification (EU=B-18201,EP=18201)
- 44 Compliance Certification (EU=B-18201,EP=18201)
- 45 Compliance Certification (EU=B-18201,EP=18201)
- 46 Compliance Certification (EU=B-18201,EP=18201)
- 47 Compliance Certification (EU=B-18201,EP=18201)
- 48 Compliance Certification (EU=B-18201,EP=18201)
- 49 Compliance Certification (EU=B-18201,EP=18201)
- 50 Compliance Certification (EU=B-18201,EP=18201)
- 51 Compliance Certification (EU=B-18201,EP=18201,Proc=B01,ES=BL100)
- 52 Compliance Certification (EU=B-18201,EP=18201,Proc=B01,ES=BL200)
- 53 Compliance Certification (EU=B-18201,EP=18201,Proc=B01,ES=BL300)
- 54 Compliance Certification (EU=B-18201,EP=18201,Proc=B01,ES=BL400)
- 55 Compliance Certification (EU=B-18201,EP=18201,Proc=B01,ES=BL500)
- 56 Compliance Certification (EU=B-18201,EP=18201,Proc=B02,ES=BL100)
- 57 Compliance Certification (EU=B-18201,EP=18201,Proc=B02,ES=BL200)
- 58 Compliance Certification (EU=B-18201,EP=18201,Proc=B02,ES=BL300)
- 59 This is the optional condition for gas or distillate fired  
midsized boilers. If they opt not to use this method then  
227-2.4(c)(2) applies.
- 60 Compliance Certification (EU=B-18201,EP=18201,Proc=B02,ES=BL500)
- 61 Compliance Certification (EU=B-18201,EP=18201,Proc=B03,ES=BL100)
- 62 Compliance Certification (EU=B-18201,EP=18201,Proc=B03,ES=BL200)
- 63 Compliance Certification (EU=B-18201,EP=18201,Proc=B03,ES=BL300)
- 64 Compliance Certification (EU=B-18201,EP=18201,Proc=B03,ES=BL400)
- 65 This is the optional condition for gas or distillate fired  
midsized boilers. If they opt not to use this method then  
227-2.4(c)(2) applies.
- 66 Compliance Certification (EU=B-18201,EP=18201,Proc=B03,ES=BL500)
- 67 Compliance Certification (EU=D-17551)
- 68 Compliance Certification (EU=D-17551)
- 69 Compliance Certification (EU=D-17551)
- 70 Compliance Certification (EU=D-17551)
- 71 Compliance Certification (EU=E-17624)
- 72 Compliance Certification (EU=E-17624)
- 73 Compliance Certification (EU=E-17624,EP=17624)
- 74 Compliance Certification (EU=E-17624,EP=17624)
- 75 Compliance Certification (EU=E-17624,EP=17624)
- 76 Compliance Certification (EU=E-17624,EP=17624)
- 77 Compliance Certification (EU=E-17624,EP=17624)
- 78 Compliance Certification (EU=E-17624,EP=17624)
- 79 Compliance Certification (EU=G-17625)
- 80 Compliance Certification (EU=G-17625)
- 81 Compliance Certification (EU=G-17625,Proc=G01)
- 82 Compliance Certification (EU=G-17625,Proc=G01)
- 83 Compliance Certification (EU=G-17625,Proc=G01)
- 84 Compliance Certification (EU=G-17625,Proc=G01)



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- 85 Compliance Certification (EU=H-17659,EP=17659,Proc=H01,ES=AP300)
- 86 Compliance Certification (EU=H-17659,EP=17659,Proc=H01,ES=AP300)
- 87 Applicability of General Provisions of 40 CFR 60 Subpart A
- 88 EPA Region 2 address.
- 89 Compliance Certification (EU=H-17659,EP=17659,Proc=H01,ES=AP300)
- 90 Compliance Certification (EU=H-17659,EP=17659,Proc=H01,ES=AP300)
- 91 Compliance Certification (EU=M-17608)
- 92 Compliance Certification (EU=M-17608)
- 93 Compliance Certification (EU=M-17608)
- 94 Compliance Certification (EU=M-17608)
- 95 Compliance Certification (EU=M-17608)
- 96 Compliance Certification (EU=M-17608)
- 97 Compliance Certification (EU=M-17608)
- 98 Compliance Certification (EU=M-17608)
- 99 Compliance Certification (EU=P-17021,EP=17021)
- 100 Applicability of General Provisions of 40 CFR 60 Subpart A
- 101 EPA Region 2 address.
- 102 Compliance Certification (EU=P-17021,EP=17021)
- 103 Compliance Certification (EU=P-17021,EP=17021,Proc=P01)
- 104 Compliance Certification (EU=P-17021,EP=17021,Proc=P01)
- 105 Compliance Certification (EU=P-17021,EP=17021,Proc=P01)
- 106 Applicability and compliance
- 107 Compliance Certification (EU=P-17021,EP=17021,Proc=P01)
- 108 Volatile organic compound emission control requirements
- 109 Compliance Certification (EU=P-17021,EP=17021,Proc=P01)
- 110 Compliance Certification (EU=P-17021,EP=17021,Proc=P01)
- 111 Compliance Certification (EU=P-17021,EP=17021,Proc=P01)
- 112 method 24 40 CFR 60
- 113 Alternative Analytical Methods
- 114 samples
- 115 prohibition of sale or specification
- 116 certification
- 117 Compliance Certification (EU=P-17021,EP=17021,Proc=P01)
- 118 Handling, storage and disposal of volatile organic compounds
- 119 Compliance Certification (EU=P-17021,EP=17021,Proc=P02)
- 120 Compliance Certification (EU=R-17611)
- 121 Compliance Certification (EU=R-17611)
- 122 Compliance Certification (EU=R-17611)
- 123 Compliance Certification (EU=R-17611)
- 124 Compliance Certification (EU=R-17611)
- 125 Compliance Certification (EU=R-17611)
- 126 Compliance Certification (EU=R-17611)
- 127 Compliance Certification (EU=R-17611)
- 128 Compliance Certification (EU=S-17260)
- 129 Compliance Certification (EU=S-17260)
- 130 Compliance Certification (EU=S-17260)
- 131 Compliance Certification (EU=S-17260)
- 132 Compliance Certification (EU=U-00001,EP=U0001,Proc=U01,ES=TK100)



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- 133 Compliance Certification (EU=W-17018)
- 134 Requirements for cold cleaning (batch cold) degreasers
- 135 Compliance Certification (EU=Z-17601,EP=17601)
- 136 Compliance Certification (EU=Z-17601,EP=17601)
- 137 Compliance Certification (EU=Z-17601,EP=17601)
- 138 Compliance Certification (EU=Z-17601,EP=17601)
- 139 Compliance Certification (EU=Z-17601,EP=17601)
- 140 Compliance Certification (EU=Z-17601,EP=17601)

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 141 Contaminant List
- 142 Unavoidable noncompliance and violations
- 143 Air pollution prohibited
- 144 NOx and VOC RACT at Major Facilities
- 145 RACT Applicability for Major Facilities

**Emission Unit Level**

- 146 Compliance Demonstration
- 147 Compliance Demonstration
- 148 Compliance Demonstration
- 149 Compliance Demonstration
- 150 RACT analysis not required for emission points less than 3  
lb/hr VOC or NOx
- 151 Compliance Demonstration
- 152 Compliance Demonstration
- 153 Compliance Demonstration
- 154 Compliance Demonstration
- 155 Compliance Demonstration
- 156 Compliance Demonstration
- 157 Compliance Demonstration
- 158 Compliance Demonstration
- 159 Compliance Demonstration
- 160 Compliance Demonstration
- 161 Compliance Demonstration
- 162 Compliance Demonstration
- 163 Compliance Demonstration
- 164 Compliance Demonstration
- 165 Compliance Demonstration
- 166 Compliance Demonstration
- 167 Compliance Demonstration
- 168 Compliance Demonstration
- 169 Compliance Demonstration
- 170 Compliance Demonstration
- 171 Compliance Demonstration
- 172 Compliance Demonstration

Classification Code:

8731 - COMMERCIAL PHYSICAL RESEARCH

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Permit Effective Date: 08/02/2002

Permit Expiration Date: 08/02/2007



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Sealing - 6NYCRR Part 200.5**

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

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

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

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

**Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6**

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

**Item C: Maintenance of Equipment - 6NYCRR Part 200.7**

Any person who owns or operates an air contamination

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source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

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

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

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Emergency Defense - 6NYCRR Part 201-1.5**

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

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

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

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

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the



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emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

**Item H: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

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requirements, regulations, or law.

- Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**  
The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.
- Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(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 L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(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 M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(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 N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission**

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**Requirements - 6 NYCRR Part 201-6.5(a)(3)**

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

**Item O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)**

The permittee 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. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(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 Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**

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

**Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)**

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

**Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)**

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted

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facility 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 facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Item T: Severability - 6 NYCRR Part 201-6.5(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 U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)**

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

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

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

**Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)**

No permit revision will be required for operating changes that contravene an express permit term, provided that such

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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 provisions 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 in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

**Item W: Permit Shield - 6 NYCRR Part 201-6.5(g)**

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

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

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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 X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)**

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

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

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

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

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

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

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

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a shorter time period in the case of an emergency.

**Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1**

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

**Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3**

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

**Item AA: Open Fires - 6 NYCRR Part 215**

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

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

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

**FEDERAL APPLICABLE REQUIREMENTS**

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

**Condition 1: Emission Unit Definition**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 1.1:**

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

Emission Unit: A-10000

Emission Unit Description:

This emission unit consists of miscellaneous small combustion units with design heat inputs less than 20 MMBtu/hr each that are exhausted through emission points which serve only these combustion units. Three of the sources are located in or adjacent to the Engineering Systems Building (#4), and one is located in the Garage (#8).

Building(s): 4  
8

**Item 1.2:**

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

Emission Unit: B-18201

Emission Unit Description:

This emission unit consists of five package boilers located in the Boiler House (Building #6) routed to a common stack. The boilers have the following design heat input ratings: Boiler Numbers 1, 2, and 3: 32.7 MMBtu/hr each, Boiler Number 4: 65.6 MMBtu/hr, and Boiler Number 5: 60 MMBtu/hr. Boiler Numbers 1, 2, 3 and 5 are capable of burning either natural gas or fuel oil. Boiler Number



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4 is capable of burning only fuel oil and incapable of being retrofitted to burn natural gas. Three processes (B01, B02, B03) were defined for this emission unit consisting of burning No. 6 fuel oil, natural gas, and No. 2 fuel oil.

Building(s): 6

**Item 1.3:**

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

Emission Unit: D-17551

Emission Unit Description:

This emission unit consists of equipment located in the Chemical Processing Laboratory (CPL) of the Chemistry and Engineering Building (#9). The CPL normally synthesizes limited quantities (typically 10 to 1,000 pounds) of experimental materials including new additives or monomers for polymeric materials, new stabilizers, and new polymers. The emission unit includes a vacuum drying system, centrifugal filtration equipment, and reaction vessels and related equipment. In total, six separate exhaust system stacks serve this emission unit. Each piece of equipment may be used for research and development and/or limited scale manufacturing. Two processes (D01 and D02) were defined to represent these activities. This emission unit represents the grouping of existing permits for former "emission point" nos. 17551, 17552 and 17553.

Building(s): 9

**Item 1.4:**

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

Emission Unit: E-17624

Emission Unit Description:

This emission unit consists of High Velocity Oxy Fuel (HVOF) and Plasma Arc metal spraying systems, an Electro-Slag-Remelting with Cold-Wall Induction Guiding (ESR-CIG) process, and metal powder spray booths within the Metallurgy and Ceramics Building (#2), and associated air emission control equipment located indoors and outside the northern wall of that building. The HVOF spray system is for metal based super-alloy powder spraying. Fuels may include hydrogen, natural gas, and C3/C4 liquefied hydrocarbons.

The ESR-CIG system is used for purification and spray forming of super alloys. The spray booths are for spray forming using materials including metal based alloys,



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metal powders, and ceramic powders. Cyclones, integral to the process, are used to recover valuable alloys that escape the spray booth. This equipment is used for R&D purposes, but potentially could be used for limited-scale manufacturing. Two processes (E01 and E02) were defined to represent these activities.

Building(s): 2

**Item 1.5:**

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

Emission Unit: G-17625

Emission Unit Description:

This emission unit consists of a diesel generator which supplies single-phase electric power to the ESR-CIG spray forming process (part of Emission Unit E-17624) located in the Metallurgy and Ceramics Building (#2). Since it is only capable of burning diesel fuel, only one process was defined (G01).

Building(s): 2

**Item 1.6:**

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

Emission Unit: H-17659

Emission Unit Description:

This emission unit consists of one 28 MMBtu/hour natural gas fired indirect air preheater located in the Engineering Systems Building (#4) that is used to supply heated combustion air to the combustion test cell operations. Since this air preheater is only capable of burning natural gas, only one process was defined (H01).

Building(s): 4

**Item 1.7:**

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

Emission Unit: M-17608

Emission Unit Description:

This emission unit consists of an apparatus called a DC Plasma Spray located in the Metallurgy and Ceramics Building (#2) which is used to spray metal powders, and an associated vacuum collection system. This emission unit represents the grouping of existing permits for former "emission point" nos. 17608 and 17612. The DC Plasma Spray is normally used for R&D purposes, but potentially could be used for limited-scale manufacturing. Two processes (M01 and M02) were defined to represent these

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activities.

Building(s): 2

**Item 1.8:**

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

Emission Unit: P-17021

Emission Unit Description:

This emission unit consists of a paint spray booth and associated paint filter located in the Main R&D Building K-1 (#1) used for limited-volume coating of miscellaneous metal parts and metal furniture. Metal furniture coating is done solely for on-site maintenance purposes. No painting is done as a part of a manufacturing or retail operation. Two processes (P01 and P02) were defined representing painting with VOC compliant coatings and with Department-approved specialty coatings.

Building(s): 1

**Item 1.9:**

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

Emission Unit: R-17611

Emission Unit Description:

The emission unit consists of an apparatus called an DC Plasma Spray located in the Metallurgy and Ceramics Building (#2) which is used to spray siloxanes and metal and ceramic powders, and associated vacuum system. This emission unit represents the grouping of existing permits for former "emission point" nos. 17611 and 17615. The DC Plasma Spray is normally used for R&D, but potentially could be used for limited-scale manufacturing. Two processes (R01 and R02) were defined to represent these activities.

Building(s): 2

**Item 1.10:**

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

Emission Unit: S-17260

Emission Unit Description:

This emission unit consists of operations associated with the VLSI and PSF "clean room" operations located in the K-West Building (#10). Both electronic systems research and polymer studies are conducted in the building. The VLSI process area consists of equipment capable of being used to conduct electronics research and limited manufacturing in the areas of GE-proprietary detector



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development, multi-chip modules, silicon, and silicon carbide. The PSF area consists of equipment capable of being used to conduct research to quantify the flow characterization of a polyurethane foam system, or to produce small quantities of polymers. Each of these processes exhausts through one of four stacks. This emission unit represents the grouping of existing permits for former "emission point" nos. 17259 and 17260. The clean rooms are normally used for R&D, but potentially could be used for limited-scale manufacturing. Two processes (S01 and S02) were defined to represent these activities.

Building(s): 10

**Item 1.11:**

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of a 5,000 gallon horizontal underground storage tank (UST) located near the garage used to store gasoline for on-site use. One process (U01) representing the storage of gasoline was defined for this emission unit.

Building(s): 8

**Item 1.12:**

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

Emission Unit: W-17018

Emission Unit Description:

This emission unit consists of multiple cold cleaner degreasers or open-top vapor degreasers (smaller than 11 square feet of open area) located throughout the facility.

All of these degreasers utilize solvents which are not Class I or Class II ozone depleting substances (ODS). All emissions are fugitive and occur inside of buildings.

This emission unit constitutes a facility-wide activity not associated with any specific building or emission point. One process (W01) was used to define the activity of cleaning items/parts, and one building (#1) was used as a representative location for the site.

Building(s): 1

**Item 1.13:**

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

Emission Unit: Z-17601



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**Emission Unit Description:**

This emission unit consists of a spray booth located in the Metallurgy and Ceramics Building (#2) which is used for plasma arc spraying and High Velocity Oxy Fuel (HVOF) spraying of metal alloys and ceramic powders. Both research and limited-scale manufacturing may be conducted using the equipment. Two processes (Z01 and Z02) were defined to represent these activities. Fuels may include hydrogen, C3/C4 liquefied hydrocarbons, and kerosene-like liquids (optionally with additives).

Building(s): 2

**Condition 3: Recordkeeping and reporting of compliance monitoring  
Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(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 201-6.3 of this Part 201.

**Condition 4: Monitoring, Related Recordkeeping, and Reporting  
Requirements.  
Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(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



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information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 2: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)**

**Item 2.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 2.2:**

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 or a toxic 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,

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that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraph (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis than those described in paragraphs (1) through (4) above. 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.

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



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that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 5: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(e)**

**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:

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

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permit that is the basis of the certification;

- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;

and

- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. 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 compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

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The address for the RAPCE is as follows:

1150 North Westcott Road  
Schenectady, NY 12306-2014

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring  
and Enforcement  
625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

Subsequent reports are due on the same day each year

**Condition 6: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(f)**

**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:

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance with the following Operational Flexibility Plan. The records shall indicate dates for each change proposed, ongoing, and completed under the Plan and include a description of that change. The description shall summarize the change and identify each affected emission unit, emission source, process, and/or emission point.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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THE OPERATIONAL FLEXIBILITY PLAN CONSISTS OF THE FOLLOWING.

(A) Operational Flexibility:

No permit modifications will be required, under any approved emissions trading, economic incentives, marketable permits, or other similar programs or processes for changes that are provided for in the permit.

(1) Alternate operating scenarios. The permittee may propose a range of operating conditions that will allow flexibility to operate under more than one operating scenario. If any such scenarios have been specified within this permit, operation under each proposed alternate operating scenario is authorized without requiring a permit revision. The permittee must track and report the scenarios that the major stationary source operates under according to the requirements of this permit, and contemporaneously with making a change from one operating scenario to another, the facility owner and operator must record the scenarios in a log at the facility. The alternate operating scenarios shall be specified by terms and conditions stated in the permit and shall not contravene any applicable requirement. Alternative operating scenarios may include but are not limited to:

(i) Specifying, as maximum permissible operating conditions, alternative operational scenarios that can be expected to occur during the term of the permit.

(ii) The specification of the maximum permissible emissions rate as the enforceable limit unless the operational capacity of the emissions source or emission unit is limited as a result of applicable or other requirements.

(iii) The aggregation of emissions from emission units to be detailed under an approved operational flexibility plan, describing the manner in which emissions may be varied in quantity and nature among such emissions units. Applications must describe the location and characteristics of emission units involved, and the corresponding emissions.

(iv) Other bases for the

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facilitation of operational flexibility not in violation of federal or state law or regulation as approved by the Department and the Administrator.

(2) Protocol. In the operational flexibility plan the owner and/or operator may propose to incorporate a protocol component by which the permittee will evaluate proposed changes for compliance with applicable requirements. Compliance with an approved protocol shall serve as compliance with Part 212 of this Chapter except that it shall not undo previous 212.10 RACT determinations or otherwise absolve the permittee from 212.10 RACT compliance obligations. The protocol shall include provisions for notifying the Department of changes. Detail must be sufficient to allow for the assessment of control requirements, to determine compliance with applicable requirements and to maintain the Department's source inventory. Changes made pursuant to an approved protocol are not subject to the provisions of Section 201-6.7 of this Subpart.

(B) Plan Objective:

The objective of this Plan is to maximize operational flexibility by building capability into the Title V Permit for the facility to make administrative and/or minor changes following a preestablished protocol as allowed for in 6 NYCRR, Part 201-6.5(f).

This plan does not address those types of changes that would invoke the Part 201-6.7(d) "Significant Permit Modification". Rather, it addresses changes that qualify as minor modifications pursuant to the following criteria specified by 6 NYCRR Part 201-6.7(c)(1)(i) through (v):

(i) Do not violate any applicable requirement.

(ii) Do not involve significant changes to existing monitoring, reporting, or record keeping requirements in the permit and are not otherwise a significant change in the permit.

(iii) Do not require or change a case-by-case determination of a federal emission limitation or other federal standard, or a specific determination for portable sources causing adverse ambient

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impacts, or a visibility or increment analysis.

(iv) Do not seek to establish or change a permit term or condition that the facility has assumed to avoid an applicable requirement to which the emission source would otherwise be subject. Such terms and conditions include:

(a) A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the Act, including Part 231 of this Chapter; or

(b) An alternative emissions limit approved pursuant to the early reduction program under Section 112 of the Act.

(v) Are not modifications under any provision of Title I of the Act, including modifications resulting in significant net emission increases as defined and regulated under Part 231 of this Chapter or the federal Prevention of Significant Deterioration program regulations at 40 CFR 52.21.

(C) Protocol for Changes:

(1) Certain changes which meet the criteria under (i) - (iii) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must however maintain records of the date and description of such changes and make such records available for review by Department representatives upon request.

(i) Changes that do not cause emissions to exceed any emission limitation contained in regulations or applicable requirements under 6 NYCRR.

(ii) Changes which do not cause the subject emission unit, emission source, process, or emission point to become subject to any additional regulations or requirements under 6 NYCRR.

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(iii) Changes that do not seek to establish or modify a federally-enforceable emission cap or limit.

(2) In addition to the record keeping required under (B)(1) above, the permittee must notify the Department in writing at least 30 calendar days in advance of making changes involving:

(i) the installation or relocation of any emission unit, emission source, process, or emission point within a facility;

(ii) the emission of any air pollutant not previously authorized or emitted in accordance with a permit issued by the Department;

(iii) the installation or alteration of any air cleaning installation, device or control equipment.

(3) The Department may require a permit modification, in order to impose applicable requirements or special permit conditions if it determines that changes proposed pursuant to notification under (2) above do not meet the criteria under (1) above or the change may have a significant air quality impact. In such cases the Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the change for air quality impacts and/or applicable requirements. The Department shall respond to the permittee in writing with such a determination within 15 days of receipt of the 30 day advance notification from the permittee. The Department's determination shall include a listing of information necessary to further review the proposed change.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 7: Non Applicable requirements  
Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 201-6.5(g)**

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**Item 7.1:**

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.

6NYCRR 212.4(c)

Emission Unit: D17551

Reason: There are no particulate emissions from any of the sources comprising this emission unit.

6NYCRR 212.4(c)

Emission Unit: S17260

Reason: There are no particulate emissions from any of the sources comprising this emission unit.

6NYCRR 227-2.4(c)(1)(ii)

Emission Unit: B18201    Emission Point: 18201    Process: B01    Source: BL500

Reason: Record keeping is maintained to verify that boiler No. 5 is fired primarily with natural gas and/or distillate oil. Backup fuel is residual oil.

6NYCRR 227-2.4(c)(1)(ii)

Emission Unit: B18201    Emission Point: 18201    Process: B01    Source: BL400

Reason: The alternate control strategy indicated in the appropriate condition(s) under 6 NYCRR 227-2.4(c)(1)(iv) for process B01, source BL400, and for process B03, source BL400, applies in lieu of 227-2.4(c)(1)(ii).

6NYCRR 227-2.4(f)(2)(ii)

Emission Unit: G17625    Process: G01

Reason: The alternate control strategy indicated in the appropriate condition(s) under 6 NYCRR 227-2.5(c) for process G01 applies in lieu of 227-2.4(f)(2)(ii).

6NYCRR 227-2.4(g)

Emission Unit: A10000    Process: A01    Source: BL700

Reason: A RACT analysis for this source is not required since according to calculations using AP-42 for small natural gas fired boilers (<20 MMBtu/hr), NOx potential and actual emissions do not exceed 3 lb/hr or 15 lb/day, respectively.

40CFR 60-Dc.

Emission Unit: A10000    Emission Point: 17658    Process: A01    Source: AP200

Reason: This rule does not apply since the air preheater was installed in 1980, before the rule's applicability date of June 9, 1989.



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40CFR 60-Dc.

Emission Unit: A10000 Process: A01 Source: BL700

Reason: This rule does not apply since the boiler has a maximum design heat input capacity less than 10 million Btu per hour.

40CFR 60-Dc.

Emission Unit: A10000 Process: A01 Source: BL600

Reason: This rule does not apply since the boiler has a maximum design heat input capacity less than 10 million Btu per hour.

40CFR 60-Dc.

Emission Unit: A10000 Process: A01 Source: AP100

Reason: This rule does not apply since the air preheater has a maximum design heat input capacity less than 10 million Btu per hour.

40CFR 60-Dc.

Emission Unit: B18201 Emission Point: 18201

Reason: None of the boilers making up this emission unit have been constructed, modified or reconstructed, as defined by the EPA, after June 9, 1989.

40CFR 60-K.

Emission Unit: U00001 Emission Point: U0001 Process: U01 Source: TK100

Reason: Gasoline tank on site is less than 40,000 gallon capacity.

40CFR 60-Ka.

Emission Unit: U00001 Emission Point: U0001 Process: U01 Source: TK100

Reason: Gasoline tank on site is less than 40,000 gallon capacity.

40CFR 60-Kb.

Emission Unit: U00001 Emission Point: U0001 Process: U01 Source: TK100

Reason: Gasoline tank on site is less than 10,000 gallon capacity.

40CFR 60-GG.

Reason: Per attachment to the Title V permit application:  
"No stationary gas turbine subject to that rule is located at the facility."

40CFR 63-T.

Emission Unit: W17018 Emission Point: 17018

Reason: None of the parts washers/degreasers which make up emission unit W-17018 utilize any solvent containing chemicals listed in 40 CFR 63-T.460(a), or any combination of such halogenated HAP solvents, in a total concentration



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greater than 5 percent by weight, as a cleaning and/or drying agent.

**Condition 8: Title V Facility Capping Provisions (used if a Title v facility is using capping for SOME of its emissions)  
Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 8.1:**

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

**Item 8.2:**

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 8.3:**

On an annual basis, 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 8.4:**

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

**Condition 9: Notification  
Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 9.1:**

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

**Condition 10: Acceptable procedures  
Effective between the dates of 08/02/2002 and 08/02/2007**



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**Applicable Federal Requirement: 6NYCRR 202-1.3(a)**

**Item 10.1:**

Emission testing, sampling and analytical determinations to ascertain compliance with this Subchapter shall be conducted in accordance with test methods acceptable to the commissioner. The Reference Methods contained in part 60, appendix A and part 61, appendix B of title 40 of the Code of Federal Regulations and all future technical revisions, additions or corrections made thereto shall be considered as acceptable test methods for those sources and contaminants for which they are expressly applicable, except where the commissioner has issued a specific method to be used instead of a Reference Method contained in these Federal regulations or where the commissioner determines that one or more alternate methods are also acceptable. The person who owns or operates an air contamination source shall submit the emission test report in triplicate, to the commissioner within 60 days after the completion of tests. In the event such source owner/operator can demonstrate to the commissioner such time is not sufficient, he may request in writing and be granted an extension. Where an opacity emission standard is applicable to the source tested, the emission test report shall include the opacity observation.

**Condition 11: Prohibitions**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 202-1.5**

**Item 11.1:**

No person shall conceal an emission by the use of air or other gaseous diluents to achieve compliance with an emission standard which is based on the concentration of a contaminant in the gases emitted through a stack.

**Condition 12: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 12.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 12.2:**

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.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 13: Required contents of an emission statement.**

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**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 202-2.3**

**Item 13.1:**

(a) Emission statements shall include the following:

(1) Certification by a duly authorized representative. A duly authorized representative must sign a form provided by the Department to verify the truth, accuracy, and completeness of the emission statement. This certification shall state that, based on information and belief formed after reasonable inquiry by the duly authorized representative, the statements and information in the document are true, accurate, and complete. The certification shall include the full name, title, original signature, date of signature, and telephone number of the duly authorized representative.

(2) Facility level information, consisting of:

- (i) verification of full name of facility;
- (ii) verification of parent company name;
- (iii) verification of street address (physical location) of the facility;
- (iv) verification of four digit SIC code(s) for the facility;
- (v) calendar year reportable emissions.
- (vi) total facility fuel use and fuel sulfur content and heat value (for combustion installations);  
and,
- (vii) fugitive emissions.

(3) Emission point level information, consisting of:

- (i) average hours of operation per day (peak ozone and carbon monoxide seasons);
- (ii) average days of operation per week (peak ozone and carbon monoxide seasons);
- (iii) weeks of operation per year (seasonal and annual);
- (iv) hours of operation per year; and
- (v) percentage annual throughput (percentage of annual activity by season).
- (vi) verification of latitude and longitude.

(4) Process level information, consisting of:

- (i) maximum heat input (for combustion installations);

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- (ii) quantity of fuels consumed (for combustion installations);
- (iii) estimated actual annual reportable emissions, for each air regulated air pollutant emitted, (in units of pounds per year);
- (iv) estimated emissions method (see 6 NYCRR Part 202-2.4(b));
- (v) emission factor(s) (if used to determine actual emissions);
- (vi) primary and secondary control equipment identification code(s);
- (vii) control efficiencies achieved by the control equipment. The control efficiency should reflect the total control efficiency from all control equipment for a specific criteria group (e.g., VOCs and NOx). If the actual control efficiency is unavailable, the design efficiency or the control efficiency limit imposed by a permit shall be used;
- (viii) annual process rate;
- (ix) peak ozone season daily process rate.

(b) Petroleum, volatile organic liquid, and fuel storage and distribution facilities must provide the following additional information:

- (1) tank capacity (including maximum and average liquid height, and working volume); and
- (2) throughput associated with tanks and loading racks (including turnovers per year).

(c) The Department shall provide instructions concerning the emission statements applicable to a particular facility, when the statement is mailed to the facility. These instructions shall include control equipment identification code(s) and estimated emissions method code(s).

**Condition 14: Recordkeeping requirements**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 14.1:**

(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.



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**Condition 15: Submittal of Episode Action Plans**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 207.**

**Item 15.1:**

An episode action plan must be submitted for approval by the Department in accordance with the requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

**Condition 16: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)**

**Item 16.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 16.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any distillate oil fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 17: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)**

**Item 17.1:**



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The Compliance Certification activity will be performed for the Facility.

**Item 17.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any residual oil fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 18: Compliance.**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.6(b)**

**Item 18.1:**

As of January 1, 1988 any person who buys, sells, offer for sale, or uses fuel must comply with the percent sulfur requirements specified in section 6 NYCRR 225-1.2 of this regulation.

**Condition 19: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.8**

**Item 19.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 19.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Upon request the owner or operator of a facility which purchases and fires coal or oil shall submit reports to



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the commissioner containing a fuel analysis, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 20: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.8(a)**

**Item 20.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 20.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum: supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submittal to, NYSDEC upon request.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 21: Sampling, compositing, and analysis of fuel samples**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.8(d)**

**Item 21.1:**



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All sampling, compositing, and analysis of fuel samples, taken to determine compliance with 6 NYCRR Part 225-1, must be done in accordance with methods acceptable to the commissioner.

**Condition 22: Sale of waste fuel prohibitions.**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 225-2.6(c)**

**Item 22.1:** No person may sell, offer for sale, deliver or exchange in trade any waste fuel except to a facility meeting the applicable requirements of this Subpart and the regulations promulgated pursuant to article 27, titles 7 and 9 and article 23, title 23 of ECL or to a transporter of waste fuel who is permitted under 6 NYCRR Part 364.

**Condition 23: Corrective action.**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 23.1:**  
Any facility found in violation of the provisions of this Part shall not cause, permit, or allow the operation of the affected stationary combustion installation unless:

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

**Condition 24: Corrective action.**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 24.1:**  
The commissioner may seal the affected stationary combustion installation that does not comply with the provisions in subdivision 6 NYCRR 227-1.6(a) within the time provided.

**Condition 25: Corrective action.**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 25.1:**  
No person shall cause, permit, or allow the operation of any affected stationary combustion installation sealed by the commissioner in accordance with this section.

**Condition 26: Corrective action.**



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**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 26.1:**

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

**Condition 27: This condition states the facility is applicable to NOx RACT.**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.1**

**Item 27.1:**

This facility is subject to NOx RACT.

**Condition 28: Compliance must be demonstrated upon start up**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.1(d)(4)**

**Item 28.1:**

Any owner or operator of a facility involving a coating line described in table 1 or table 2 of 6 NYCRR Part 228.8 which is constructed after March 1, 1993 and which meets the applicability criteria established in 6 NYCRR Part 228.1 (d)(3), must demonstrate compliance with 6 NYCRR Part 228 upon start up.

**Condition 29: Once in, always in**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.1(g)**

**Item 29.1:**

Any coating line subject to the provisions of this Part, will remain subject to these provisions even if the facility annual potential to emit VOC later falls below applicability criteria.

**Condition 30: National Emission Standard for Asbestos**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 61, NESHAP Subpart M**

**Item 30.1:**

The permittee shall comply with all applicable provisions of 40 CFR Part 61, Subpart M.

**Condition 31: Accidental release provisions.**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

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**Item 31.1:**

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit (if not previously submitted) one of the following if such quantities are present at the time of permit issuance:
  - 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:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866  
ATTN: Accidental Release Program contact

**Condition 32: Recycling and Emissions Reduction**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 32.1:**

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

**Condition 33: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 82.176, Subpart G**

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall comply with the requirements for the Significant New Alternatives Policy (SNAP) program pursuant to 40CFR 82.176, Subpart G.



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Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

**\*\* NOTE \*\* :**

1) The production of substitutes for the sole purpose of research and development is exempt from reporting requirements.

2) Within the nine principal SNAP sectors, persons introducing a substitute whose expected volume of use amounts to less than 10,000 pounds per year within a SNAP sector are exempt from notification requirements. This exemption shall not be construed to allow use of an otherwise unacceptable substitute in any quantity. Persons taking advantage of this exemption for small uses must maintain documentation for each substitute describing how the substitute meets this small use definition. This documentation must include annual production and sales information by sector.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 34: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 82.178, Subpart G**

**Item 34.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall comply with the requirements for the Significant New Alternatives Policy (SNAP) program

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pursuant to 40CFR 82.178, Subpart G.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

**\*\* NOTE \*\* :**

- 1) The production of substitutes for the sole purpose of research and development is exempt from reporting requirements.
- 2) Within the nine principal SNAP sectors, persons introducing a substitute whose expected volume of use amounts to less than 10,000 pounds per year within a SNAP sector are exempt from notification requirements. This exemption shall not be construed to allow use of an otherwise unacceptable substitute in any quantity. Persons taking advantage of this exemption for small uses must maintain documentation for each substitute describing how the substitute meets this small use definition. This documentation must include annual production and sales information by sector.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

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

**Condition 35: Emission Point Definition By Emission Unit  
Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 35.1:**

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

Emission Unit: A-10000



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Emission Point: 17657 Height (ft.): 34	Diameter (in.): 18	Building: 4
Emission Point: 17658 Height (ft.): 51	Diameter (in.): 33	Building: 4
Emission Point: A1001 Height (ft.): 71	Diameter (in.): 18	Building: 4
Emission Point: A1002 Height (ft.): 40	Diameter (in.): 10	Building: 8

**Item 35.2:**

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

Emission Unit: B-18201		
Emission Point: 18201 Height (ft.): 130 NYTMN (km.): 4742.8	Diameter (in.): 96 NYTME (km.): 592.2	Building: 6

**Item 35.3:**

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

Emission Unit: D-17551		
Emission Point: 17552 Height (ft.): 42	Diameter (in.): 2	Building: 9
Emission Point: JE367 Height (ft.): 45	Length (in.): 17	Width (in.): 14 Building: 9
Emission Point: JE381 Height (ft.): 45	Length (in.): 19	Width (in.): 13 Building: 9
Emission Point: JE382 Height (ft.): 45	Length (in.): 16	Width (in.): 10 Building: 9
Emission Point: JE409		



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Height (ft.): 45                      Length (in.): 30                      Width (in.): 24  
Building: 9

Emission Point: JE687  
Height (ft.): 50                      Diameter (in.): 26  
Building: 9

Emission Point: JE693  
Height (ft.): 50                      Diameter (in.): 3  
Building: 9

**Item 35.4:**

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

Emission Unit: E-17624

Emission Point: 17624  
Height (ft.): 34                      Diameter (in.): 29  
NYTMN (km.): 4742.624    NYTME (km.): 592.033    Building: 2

**Item 35.5:**

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

Emission Unit: G-17625

Emission Point: G0001  
Height (ft.): 34                      Diameter (in.): 6  
Building: 2

Emission Point: G0002  
Height (ft.): 34                      Diameter (in.): 6  
Building: 2

**Item 35.6:**

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

Emission Unit: H-17659

Emission Point: 17659  
Height (ft.): 42                      Length (in.): 51                      Width (in.): 16  
Building: 4

**Item 35.7:**

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

Emission Unit: M-17608

Emission Point: 17608



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Height (ft.): 45                      Diameter (in.): 10  
NYTMN (km.): 4742.624    NYTME (km.): 592.033    Building: 2

Emission Point: 17612  
Height (ft.): 45                      Diameter (in.): 4  
NYTMN (km.): 4742.624    NYTME (km.): 592.033    Building: 2

**Item 35.8:**

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

Emission Unit: P-17021

Emission Point: 17021  
Height (ft.): 45                      Diameter (in.): 23  
NYTMN (km.): 4742.624    NYTME (km.): 592.033    Building: 1

**Item 35.9:**

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

Emission Unit: R-17611

Emission Point: 17611  
Height (ft.): 45                      Diameter (in.): 10  
NYTMN (km.): 4742.624    NYTME (km.): 592.033    Building: 2

Emission Point: 17615  
Height (ft.): 45                      Diameter (in.): 4  
NYTMN (km.): 4742.624    NYTME (km.): 592.033    Building: 2

**Item 35.10:**

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

Emission Unit: S-17260

Emission Point: 17250  
Height (ft.): 41                      Diameter (in.): 32  
NYTMN (km.): 4742.624    NYTME (km.): 592.033    Building: 10

Emission Point: 17251  
Height (ft.): 37                      Diameter (in.): 9  
NYTMN (km.): 4742.624    NYTME (km.): 592.033    Building: 10

Emission Point: 17252  
Height (ft.): 41                      Diameter (in.): 32  
NYTMN (km.): 4742.624    NYTME (km.): 592.033    Building: 10

Emission Point: 17253  
Height (ft.): 41                      Diameter (in.): 32



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NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 10

**Item 35.11:**

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

Emission Unit: U-00001

Emission Point: U0001

Height (ft.): 12

Diameter (in.): 2

Building: 8

**Item 35.12:**

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

Emission Unit: W-17018

Emission Point: 17018

Height (ft.): 3

Diameter (in.): 4

NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 1

**Item 35.13:**

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

Emission Unit: Z-17601

Emission Point: 17601

Height (ft.): 61

Diameter (in.): 23

NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 2

**Condition 36: Process Definition By Emission Unit**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 36.1:**

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

Emission Unit: A-10000

Process: A01

Source Classification Code: 1-03-006-03

Process Description:

This process consists of miscellaneous small combustion units (<20 MMBtu/hr) burning only natural gas. There are 3 units (<10 MMBtu/hr) with SCC code 1-03-006-03 and 1 unit (10-100 MMBtu/hr) with SCC Code 1-03-006-02.

Emission Source/Control: AP100 - Combustion

Design Capacity: 8.32 million Btu per hour



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Emission Source/Control: AP200 - Combustion  
Design Capacity: 12.055 million Btu per hour

Emission Source/Control: BL600 - Combustion  
Design Capacity: 6.8 million Btu per hour

Emission Source/Control: BL700 - Combustion  
Design Capacity: 3 million Btu per hour

**Item 36.2:**

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

Emission Unit: B-18201

Process: B01

Source Classification Code: 1-03-004-01

Process Description:

Boiler Nos. 1, 2, 3, 4 and 5 are all capable of firing fuel oil. This process was created to allow the burning of No. 6 fuel oil in any of the boilers

Emission Source/Control: BL100 - Combustion  
Design Capacity: 32.7 million Btu per hour

Emission Source/Control: BL200 - Combustion  
Design Capacity: 32.7 million Btu per hour

Emission Source/Control: BL300 - Combustion  
Design Capacity: 32.7 million Btu per hour

Emission Source/Control: BL400 - Combustion  
Design Capacity: 65.6 million Btu per hour

Emission Source/Control: BL500 - Combustion  
Design Capacity: 60 million Btu per hour

**Item 36.3:**

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

Emission Unit: B-18201

Process: B02

Source Classification Code: 1-03-006-02

Process Description:

Only Boiler Nos. 1, 2, 3 and 5 are capable of burning natural gas. This process was created to allow the burning of natural gas in Boiler Nos. 1, 2, 3 and 5.

Emission Source/Control: BL100 - Combustion  
Design Capacity: 32.7 million Btu per hour

Emission Source/Control: BL200 - Combustion



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Design Capacity: 32.7 million Btu per hour

Emission Source/Control: BL300 - Combustion

Design Capacity: 32.7 million Btu per hour

Emission Source/Control: BL500 - Combustion

Design Capacity: 60 million Btu per hour

**Item 36.4:**

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

Emission Unit: B-18201

Process: B03

Source Classification Code: 1-03-005-01

Process Description:

Boiler Nos. 1, 2, 3, 4 and 5 are all capable of burning fuel oil. This process was created to allow the burning of No. 2 fuel oil in any of the boilers.

Emission Source/Control: BL100 - Combustion

Design Capacity: 32.7 million Btu per hour

Emission Source/Control: BL200 - Combustion

Design Capacity: 32.7 million Btu per hour

Emission Source/Control: BL300 - Combustion

Design Capacity: 32.7 million Btu per hour

Emission Source/Control: BL400 - Combustion

Design Capacity: 65.6 million Btu per hour

Emission Source/Control: BL500 - Combustion

Design Capacity: 60 million Btu per hour

**Item 36.5:**

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

Emission Unit: D-17551

Process: D01

Source Classification Code: 3-01-018-99

Process Description:

This process consists the equipment located in the Chemical Processing laboratory being operated in a research mode.

Emission Source/Control: CF100 - Process

Emission Source/Control: CF200 - Process

Emission Source/Control: CF300 - Process



- Emission Source/Control: DC100 - Process
- Emission Source/Control: DF100 - Process
- Emission Source/Control: DH100 - Process
- Emission Source/Control: G5A00 - Process
- Emission Source/Control: GL100 - Process
- Emission Source/Control: GL500 - Process
- Emission Source/Control: GLA00 - Process
- Emission Source/Control: GLC00 - Process
- Emission Source/Control: HM100 - Process
- Emission Source/Control: OH100 - Process
- Emission Source/Control: OH200 - Process
- Emission Source/Control: OH300 - Process
- Emission Source/Control: OH400 - Process
- Emission Source/Control: RE100 - Process
- Emission Source/Control: SA100 - Process
- Emission Source/Control: SK100 - Process
- Emission Source/Control: SK200 - Process
- Emission Source/Control: SK300 - Process
- Emission Source/Control: SK400 - Process
- Emission Source/Control: SS100 - Process
- Emission Source/Control: SS500 - Process
- Emission Source/Control: SSC00 - Process
- Emission Source/Control: TD100 - Process
- Emission Source/Control: TD200 - Process

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Emission Source/Control: VO100 - Process

Emission Source/Control: VO200 - Process

Emission Source/Control: VO300 - Process

Emission Source/Control: VO400 - Process

Emission Source/Control: VP100 - Process

Emission Source/Control: VP200 - Process

Emission Source/Control: WA100 - Process

Emission Source/Control: WGT00 - Process

Emission Source/Control: XTL00 - Process

**Item 36.6:**

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

Emission Unit: D-17551

Process: D02

Source Classification Code: 3-01-018-99

Process Description:

This process consists of the equipment located in the Chemical Processing laboratory being operated in a manufacturing mode.

Emission Source/Control: CF100 - Process

Emission Source/Control: CF200 - Process

Emission Source/Control: CF300 - Process

Emission Source/Control: DC100 - Process

Emission Source/Control: DF100 - Process

Emission Source/Control: DH100 - Process

Emission Source/Control: G5A00 - Process

Emission Source/Control: GL100 - Process

Emission Source/Control: GL500 - Process

Emission Source/Control: GLA00 - Process

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Emission Source/Control: GLC00 - Process

Emission Source/Control: HM100 - Process

Emission Source/Control: OH100 - Process

Emission Source/Control: OH200 - Process

Emission Source/Control: OH300 - Process

Emission Source/Control: OH400 - Process

Emission Source/Control: RE100 - Process

Emission Source/Control: SA100 - Process

Emission Source/Control: SK100 - Process

Emission Source/Control: SK200 - Process

Emission Source/Control: SK300 - Process

Emission Source/Control: SK400 - Process

Emission Source/Control: SS100 - Process

Emission Source/Control: SS500 - Process

Emission Source/Control: SSC00 - Process

Emission Source/Control: TD100 - Process

Emission Source/Control: TD200 - Process

Emission Source/Control: VO100 - Process

Emission Source/Control: VO200 - Process

Emission Source/Control: VO300 - Process

Emission Source/Control: VO400 - Process

Emission Source/Control: VP100 - Process

Emission Source/Control: VP200 - Process

Emission Source/Control: WA100 - Process

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Emission Source/Control: WGT00 - Process

Emission Source/Control: XTL00 - Process

**Item 36.7:**

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

Emission Unit: E-17624

Process: E21

Source Classification Code: 3-09-040-20

Process Description:

This process consists of the HVOF Spray System, ESR-CIG system, spray booth and associated air emission control equipment being operated in a research mode.

Emission Source/Control: BH100 - Control

Control Type: FABRIC FILTER

Emission Source/Control: HEP00 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: CY100 - Process

Emission Source/Control: ESR00 - Process

Emission Source/Control: HVF00 - Process

Emission Source/Control: SB100 - Process

**Item 36.8:**

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

Emission Unit: E-17624

Process: E22

Source Classification Code: 3-09-040-20

Process Description:

This process consists of the HVOF Spray System, ESR-CIG system, spray booth and associated emission control equipment being operated in a manufacturing mode.

Emission Source/Control: BH100 - Control

Control Type: FABRIC FILTER

Emission Source/Control: HEP00 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: CY100 - Process

Emission Source/Control: ESR00 - Process

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Emission Source/Control: HVF00 - Process

Emission Source/Control: SB100 - Process

**Item 36.9:**

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

Emission Unit: G-17625

Process: G01

Source Classification Code: 2-01-001-02

Process Description:

This process consists of the diesel engine-generator which supplies power to the ESR-CIG spray forming processes located in the Metallurgy and Ceramics building.

The engine-generator is only capable of burning diesel fuel.

Emission Source/Control: DG100 - Combustion

**Item 36.10:**

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

Emission Unit: H-17659

Process: H01

Source Classification Code: 1-03-006-02

Process Description:

This process consists of one air preheater associated with the test cells. It is only capable of burning natural gas.

Emission Source/Control: AP300 - Combustion

Design Capacity: 28 million Btu per hour

**Item 36.11:**

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

Emission Unit: M-17608

Process: M01

Source Classification Code: 3-09-040-20

Process Description:

This process consists of operating the DC Plasma Spray Forming apparatus and associated vacuum system in a research mode.

Emission Source/Control: BH200 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH300 - Control

Control Type: FABRIC FILTER



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Emission Source/Control: SF200 - Process

Emission Source/Control: VS100 - Process

**Item 36.12:**

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

Emission Unit: M-17608

Process: M02

Source Classification Code: 3-09-040-20

Process Description:

This process consists of operating the DC Plasma Spray Forming apparatus and associated vacuum system in a manufacturing mode.

Emission Source/Control: BH200 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH300 - Control

Control Type: FABRIC FILTER

Emission Source/Control: SF200 - Process

Emission Source/Control: VS100 - Process

**Item 36.13:**

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

Emission Unit: P-17021

Process: P01

Source Classification Code: 4-02-002-10

Process Description:

This process consists of utilizing volatile organic compound (VOC) compliant coatings (in compliance with 6 NYCRR 228.7 and 228.8) in the spray paint booth.

Emission Source/Control: PF100 - Control

Control Type: MAT OR PANEL FILTER

Emission Source/Control: PB100 - Process

**Item 36.14:**

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

Emission Unit: P-17021

Process: P02

Source Classification Code: 4-02-001-10

Process Description:

This process consists of utilizing up to 55 gallons per year of specialty coatings approved by the Department as defined in 6 NYCRR 228 in the spray paint booth.

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Emission Source/Control: PF100 - Control  
Control Type: MAT OR PANEL FILTER

Emission Source/Control: PB100 - Process

**Item 36.15:**

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

Emission Unit: R-17611

Process: R01

Source Classification Code: 3-09-040-20

Process Description:

This process consists of operating the RF Plasma Spray Forming apparatus and associated vacuum system and oil demister in a research mode.

Emission Source/Control: BH400 - Control  
Control Type: FABRIC FILTER

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

Emission Source/Control: OD100 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: SF300 - Process

Emission Source/Control: VS200 - Process

**Item 36.16:**

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

Emission Unit: S-17260

Process: S01

Source Classification Code: 3-13-065-05

Process Description:

This process consists of conducting research in the VLSI and PSF "clean room" operations.

Emission Source/Control: BB100 - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BB200 - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BB300 - Control  
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: FS100 - Control

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Control Type: WET SCRUBBER

Emission Source/Control: FS200 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: FS300 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: FS400 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: AB100 - Process

Emission Source/Control: AC100 - Process

Emission Source/Control: AH100 - Process

Emission Source/Control: AH200 - Process

Emission Source/Control: AH300 - Process

Emission Source/Control: AH400 - Process

Emission Source/Control: AH500 - Process

Emission Source/Control: AH600 - Process

Emission Source/Control: AH700 - Process

Emission Source/Control: AS100 - Process

Emission Source/Control: BC100 - Process

Emission Source/Control: BC200 - Process

Emission Source/Control: BC300 - Process

Emission Source/Control: BK100 - Process

Emission Source/Control: BK200 - Process

Emission Source/Control: BK300 - Process

Emission Source/Control: BK400 - Process

Emission Source/Control: CV100 - Process

Emission Source/Control: CV200 - Process



- Emission Source/Control: DV100 - Process
- Emission Source/Control: DY100 - Process
- Emission Source/Control: DY200 - Process
- Emission Source/Control: DY300 - Process
- Emission Source/Control: DY400 - Process
- Emission Source/Control: ET100 - Process
- Emission Source/Control: ET200 - Process
- Emission Source/Control: ET300 - Process
- Emission Source/Control: EX100 - Process
- Emission Source/Control: EX200 - Process
- Emission Source/Control: EX300 - Process
- Emission Source/Control: GC100 - Process
- Emission Source/Control: GV100 - Process
- Emission Source/Control: GV200 - Process
- Emission Source/Control: GV300 - Process
- Emission Source/Control: GV400 - Process
- Emission Source/Control: GV500 - Process
- Emission Source/Control: HD100 - Process
- Emission Source/Control: HD200 - Process
- Emission Source/Control: HD300 - Process
- Emission Source/Control: HD400 - Process
- Emission Source/Control: HD500 - Process
- Emission Source/Control: HD600 - Process
- Emission Source/Control: HD700 - Process



- Emission Source/Control: HD800 - Process
- Emission Source/Control: HD900 - Process
- Emission Source/Control: HDA00 - Process
- Emission Source/Control: HDB00 - Process
- Emission Source/Control: HDC00 - Process
- Emission Source/Control: LZ100 - Process
- Emission Source/Control: LZ200 - Process
- Emission Source/Control: MC100 - Process
- Emission Source/Control: MC200 - Process
- Emission Source/Control: MC300 - Process
- Emission Source/Control: OV100 - Process
- Emission Source/Control: OV200 - Process
- Emission Source/Control: OV300 - Process
- Emission Source/Control: OV400 - Process
- Emission Source/Control: OV500 - Process
- Emission Source/Control: OV600 - Process
- Emission Source/Control: OV700 - Process
- Emission Source/Control: OV800 - Process
- Emission Source/Control: OV900 - Process
- Emission Source/Control: OVA00 - Process
- Emission Source/Control: OVB00 - Process
- Emission Source/Control: OVC00 - Process
- Emission Source/Control: OVD00 - Process
- Emission Source/Control: OVE00 - Process



- Emission Source/Control: OVF00 - Process
- Emission Source/Control: OVG00 - Process
- Emission Source/Control: OVH00 - Process
- Emission Source/Control: OVI00 - Process
- Emission Source/Control: OVJ00 - Process
- Emission Source/Control: PL100 - Process
- Emission Source/Control: PL200 - Process
- Emission Source/Control: PR100 - Process
- Emission Source/Control: PR200 - Process
- Emission Source/Control: PR300 - Process
- Emission Source/Control: PR400 - Process
- Emission Source/Control: PR500 - Process
- Emission Source/Control: PR600 - Process
- Emission Source/Control: PR700 - Process
- Emission Source/Control: PR800 - Process
- Emission Source/Control: RC100 - Process
- Emission Source/Control: RI100 - Process
- Emission Source/Control: RI200 - Process
- Emission Source/Control: RI300 - Process
- Emission Source/Control: RI400 - Process
- Emission Source/Control: RI500 - Process
- Emission Source/Control: RS100 - Process
- Emission Source/Control: SC100 - Process
- Emission Source/Control: SC200 - Process



- Emission Source/Control: SC300 - Process
- Emission Source/Control: SC400 - Process
- Emission Source/Control: SP100 - Process
- Emission Source/Control: SP200 - Process
- Emission Source/Control: SP300 - Process
- Emission Source/Control: SP400 - Process
- Emission Source/Control: SP500 - Process
- Emission Source/Control: SP600 - Process
- Emission Source/Control: SP700 - Process
- Emission Source/Control: SPN00 - Process
- Emission Source/Control: ST100 - Process
- Emission Source/Control: VA100 - Process
- Emission Source/Control: VA200 - Process
- Emission Source/Control: WB100 - Process
- Emission Source/Control: WB200 - Process
- Emission Source/Control: WB300 - Process
- Emission Source/Control: WB400 - Process
- Emission Source/Control: WB500 - Process
- Emission Source/Control: WS100 - Process
- Emission Source/Control: WS200 - Process
- Emission Source/Control: WS300 - Process
- Emission Source/Control: YV100 - Process

**Item 36.17:**

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

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Emission Unit: S-17260

Process: S02

Source Classification Code: 3-13-065-05

Process Description:

This process consists of conducting limited manufacturing in the VLSI and PSF "clean-room" operations.

Emission Source/Control: BB100 - Control

Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BB200 - Control

Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BB300 - Control

Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: FS100 - Control

Control Type: WET SCRUBBER

Emission Source/Control: FS200 - Control

Control Type: WET SCRUBBER

Emission Source/Control: FS300 - Control

Control Type: WET SCRUBBER

Emission Source/Control: FS400 - Control

Control Type: WET SCRUBBER

Emission Source/Control: AB100 - Process

Emission Source/Control: AC100 - Process

Emission Source/Control: AH100 - Process

Emission Source/Control: AH200 - Process

Emission Source/Control: AH300 - Process

Emission Source/Control: AH400 - Process

Emission Source/Control: AH500 - Process

Emission Source/Control: AH600 - Process

Emission Source/Control: AH700 - Process

Emission Source/Control: AS100 - Process

Emission Source/Control: BC100 - Process



- Emission Source/Control: BC200 - Process
- Emission Source/Control: BC300 - Process
- Emission Source/Control: BK100 - Process
- Emission Source/Control: BK200 - Process
- Emission Source/Control: BK300 - Process
- Emission Source/Control: BK400 - Process
- Emission Source/Control: CV100 - Process
- Emission Source/Control: CV200 - Process
- Emission Source/Control: DV100 - Process
- Emission Source/Control: DY100 - Process
- Emission Source/Control: DY200 - Process
- Emission Source/Control: DY300 - Process
- Emission Source/Control: DY400 - Process
- Emission Source/Control: ET100 - Process
- Emission Source/Control: ET200 - Process
- Emission Source/Control: ET300 - Process
- Emission Source/Control: EX100 - Process
- Emission Source/Control: EX200 - Process
- Emission Source/Control: EX300 - Process
- Emission Source/Control: GC100 - Process
- Emission Source/Control: GV100 - Process
- Emission Source/Control: GV200 - Process
- Emission Source/Control: GV300 - Process
- Emission Source/Control: GV400 - Process

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Emission Source/Control: GV500 - Process

Emission Source/Control: HD100 - Process

Emission Source/Control: HD200 - Process

Emission Source/Control: HD300 - Process

Emission Source/Control: HD400 - Process

Emission Source/Control: HD500 - Process

Emission Source/Control: HD600 - Process

Emission Source/Control: HD700 - Process

Emission Source/Control: HD800 - Process

Emission Source/Control: HD900 - Process

Emission Source/Control: HDA00 - Process

Emission Source/Control: HDB00 - Process

Emission Source/Control: HDC00 - Process

Emission Source/Control: LZ100 - Process

Emission Source/Control: LZ200 - Process

Emission Source/Control: MC100 - Process

Emission Source/Control: MC200 - Process

Emission Source/Control: MC300 - Process

Emission Source/Control: OV100 - Process

Emission Source/Control: OV200 - Process

Emission Source/Control: OV300 - Process

Emission Source/Control: OV400 - Process

Emission Source/Control: OV500 - Process

Emission Source/Control: OV600 - Process



Emission Source/Control: OV700 - Process

Emission Source/Control: OV800 - Process

Emission Source/Control: OV900 - Process

Emission Source/Control: OVA00 - Process

Emission Source/Control: OVB00 - Process

Emission Source/Control: OVC00 - Process

Emission Source/Control: OVD00 - Process

Emission Source/Control: OVE00 - Process

Emission Source/Control: OVF00 - Process

Emission Source/Control: OVG00 - Process

Emission Source/Control: OVH00 - Process

Emission Source/Control: OVI00 - Process

Emission Source/Control: OVJ00 - Process

Emission Source/Control: PL100 - Process

Emission Source/Control: PL200 - Process

Emission Source/Control: PR100 - Process

Emission Source/Control: PR200 - Process

Emission Source/Control: PR300 - Process

Emission Source/Control: PR400 - Process

Emission Source/Control: PR500 - Process

Emission Source/Control: PR600 - Process

Emission Source/Control: PR700 - Process

Emission Source/Control: PR800 - Process

Emission Source/Control: RC100 - Process



- Emission Source/Control: RI100 - Process
- Emission Source/Control: RI200 - Process
- Emission Source/Control: RI300 - Process
- Emission Source/Control: RI400 - Process
- Emission Source/Control: RI500 - Process
- Emission Source/Control: RS100 - Process
- Emission Source/Control: SC100 - Process
- Emission Source/Control: SC200 - Process
- Emission Source/Control: SC300 - Process
- Emission Source/Control: SC400 - Process
- Emission Source/Control: SP100 - Process
- Emission Source/Control: SP200 - Process
- Emission Source/Control: SP300 - Process
- Emission Source/Control: SP400 - Process
- Emission Source/Control: SP500 - Process
- Emission Source/Control: SP600 - Process
- Emission Source/Control: SP700 - Process
- Emission Source/Control: SPN00 - Process
- Emission Source/Control: ST100 - Process
- Emission Source/Control: VA100 - Process
- Emission Source/Control: VA200 - Process
- Emission Source/Control: WB100 - Process
- Emission Source/Control: WB200 - Process
- Emission Source/Control: WB300 - Process

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Emission Source/Control: WB400 - Process

Emission Source/Control: WB500 - Process

Emission Source/Control: WS100 - Process

Emission Source/Control: WS200 - Process

Emission Source/Control: WS300 - Process

Emission Source/Control: YV100 - Process

**Item 36.18:**

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

Emission Unit: U-00001

Process: U01

Source Classification Code: 4-04-004-01

Process Description:

This process describes the storage of gasoline in the 5,000 gallon horizontal underground storage tank.

Emission Source/Control: TK100 - Process

**Item 36.19:**

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

Emission Unit: W-17018

Process: W01

Source Classification Code: 4-01-003-35

Process Description:

This process consists of using any of the various portable/transportable degreasers to clean items.

Emission Source/Control: PW100 - Process

**Item 36.20:**

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

Emission Unit: Z-17601

Process: Z01

Source Classification Code: 3-09-040-20

Process Description:

This process consists of operating the spray booth in a research mode.

Emission Source/Control: WC100 - Control

Control Type: WATER CURTAIN

Emission Source/Control: SB200 - Process

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**Item 36.21:**

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

Emission Unit: Z-17601

Process: Z02

Source Classification Code: 3-09-040-20

Process Description:

This process consists of operating the spray booth in a manufacturing mode.

Emission Source/Control: WC100 - Control

Control Type: WATER CURTAIN

Emission Source/Control: SB200 - Process

**Condition 37: Emission Unit Permissible Emissions**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 37.1:**

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: B-18201

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 1,130,000 pounds per year

Emission Unit: E-17624

CAS No: 0NY075-00-0

Name: PARTICULATES

PTE(s): 212.5 pounds per year

Emission Unit: M-17608

CAS No: 0NY075-00-0

Name: PARTICULATES

PTE(s): 75 pounds per year

Emission Unit: R-17611

CAS No: 0NY075-00-0

Name: PARTICULATES

PTE(s): 187.5 pounds per year



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Emission Unit: Z-17601

CAS No: 0NY075-00-0

Name: PARTICULATES

PTE(s): 1,000 pounds per year

Emission Unit: E-17624

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 14.5 pounds per year

Emission Unit: M-17608

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 75 pounds per year

Emission Unit: R-17611

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 187.5 pounds per year

Emission Unit: Z-17601

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 10 pounds per year

Emission Unit: B-18201

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 275,000 pounds per year

Emission Unit: P-17021

CAS No: 0NY998-00-0

Name: VOC

PTE(s): 3,116 pounds per year

**Condition 38: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.3(a)**

**Item 38.1:**



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The Compliance Certification activity will be performed for:

Emission Unit: A-10000

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 39: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(g)**

**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: A-10000

Process: A01

Emission Source: AP100

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be

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performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 40: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(g)**

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: A-10000

Process: A01

Emission Source: AP200

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

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The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 41: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(g)**

**Item 41.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: A-10000  
Process: A01                      Emission Source: BL600

**Item 41.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to



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demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 42: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 225-1.6(b)**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As of January 1, 1988 any person who buys, sells, offers for sale, or uses fuel must comply with the percent sulfur requirements specified in section 6 NYCRR 225-1.2 of this regulation.

For fuel oil usage for the first 2.29 million gallons burned in any calendar year, the permittee shall retain fuel oil supplier certifications for each shipment of oil received.

For fuel oil usage in any calendar year which is over and



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above the first 2.29 million gallons burned, the permittee shall provide fuel analyses.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 43: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.3**

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which 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) On each day any boiler is fired by fuel oil, observe the stack for that boiler which is operating on oil once per day for visible emissions (determining the presence or absence of 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

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stack:

- weather condition
- was a plume observed?

3) If the daily instantaneous observations of any visible emissions (other than steam - see **\*\* NOTE \*\*** below) are greater than 20 percent for two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), 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 notify the Regional Air Pollution Control Engineer (RAPCE) within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

4) Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

5) The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

**\*\* 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.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.



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**Condition 44: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.3(a)**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 45: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

**Item 45.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 60 days of permit issuance, the facility owner or operator shall submit, for Department approval, a schedule for demonstrating compliance with the requirements of 6 NYCRR 227.2(b)(1) through stack testing.

This schedule shall outline the following at a minimum:

Date of submission of stack test protocol(s) for Department review, proposed date(s) of stack test, and proposed date(s) of submission of stack test results.

The stack test and the submission of results shall be in accordance with the approved schedule and shall be completed no later than 240 days prior to expiration of the permit. The stack test protocol shall be submitted to the Department for approval at least 60 days prior to the proposed date of emissions testing. Stack test results shall be submitted to the Department for acceptance no later than 60 days after completion of the test.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 46: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 46.1:**

The Compliance Certification activity will be performed for:



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Emission Unit: B-18201 Emission Point: 18201

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition,
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: 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 60 days after the reporting period.

The initial report is due 3/1/2003.

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

**Condition 47: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

**Item 47.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition results from PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively.

The quantity of all fuel oil burned in any calendar year is limited to 5.00 million gallons.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the quantity of fuel oil burned for the year to date by summing the monthly fuel oil usage of each boiler for each of the permitted types of fuel oil burned in that month. Operating and fuel usage records shall be used to determine the quantity of each fuel oil burned.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

NYSDEC reserves the right to conduct emissions testing or fuel sampling at any time it deems necessary to verify compliance.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 48: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

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**Item 48.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This condition results from PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively.

The PSD permitting requirements in 1984 limited the sulfur dioxide emissions to 565 tons in any calendar year.

Based on the above, the sum of monthly emissions in any calendar year shall not exceed the upper limit of 565 tons of sulfur dioxide emissions.

Compliance shall be demonstrated by summing the monthly sulfur dioxide emissions that result from multiplying "fuel usage" times the "appropriate emission factor" for each of the permitted fuels burned in that month. Operating and fuel usage records shall be utilized to determine the quantity of each fuel burned and the emission factor appropriate for that type of fuel. Emission factors acceptable shall be the most recent available from the latest applicable edition and supplement of the USEPA Compilation of Air Pollutant Emission Factors (AP-42).

NYSDEC reserves the right to conduct emissions testing or fuel sampling at any time it deems necessary to verify compliance.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 565 tons per year

Monitoring Frequency: MONTHLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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



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**Condition 49: Compliance Certification**

Effective between the dates of 08/02/2002 and 08/02/2007

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition results from PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively.

Sulfur content in fuel oil No. 6 (process B01) or in fuel oil No. 2 (process B03) is limited to 2.0 percent by weight for the first 2.29 million gallons burned in any calendar year.

Sulfur content in fuel oil No. 6 (process B01) or in fuel oil No. 2 (process B03) is limited to 1.0 percent by weight over and above the first 2.29 million gallons burned in any calendar year.

The NYSDEC Region 4 office, Attn: Regional Air Pollution Control Engineer, must be notified when the 2.29 million gallon figure is achieved.

Fuel usage reports must be submitted to the NYSDEC Region 4 office, Attn: Regional Air Pollution Control Engineer, on a semi-annual basis.

Each report must include the following information per unit: vendor, gallons and pounds of oil burned, average sulfur content of the fuel oil expressed as percent by weight, pounds of sulfur emitted, heat content of the fuel oil expressed as Btu per pound, and the ash content in parts per million. In addition, the report must list the total amount of oil burned on a cumulative basis and the total average sulfur content of the fuel oil.

NYSDEC reserves the right to conduct emissions testing or



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fuel sampling at any time it deems necessary to verify compliance.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 50: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

Regulated Contaminant(s):

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

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This condition results from PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively.

The PSD permitting requirements in 1984 limited the oxides of nitrogen emissions to 137.5 tons in any calendar year.

Based on the above, the sum of monthly emissions in any calendar year shall not exceed the upper limit of 137.5 tons of oxides of nitrogen emissions.

Compliance shall be demonstrated by summing the monthly oxides of nitrogen emissions that result from multiplying "fuel usage" times the "appropriate emission factor" for each of the permitted fuels burned in that month. Operating and fuel usage records shall be utilized to



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determine the quantity of each fuel burned and the emission factor appropriate for that type of fuel. Emission factors acceptable shall be the most recent available from the latest applicable edition and supplement of the USEPA Compilation of Air Pollutant Emission Factors (AP-42) and shall be based on guidance from the Department concerning the nitrogen content of fuel.

NYSDEC reserves the right to conduct emissions testing or fuel sampling at any time it deems necessary to verify compliance.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: FUEL  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 137.5 tons per year  
Monitoring Frequency: MONTHLY  
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 51: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201      Emission Point: 18201  
Process: B01                      Emission Source: BL100

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

NOx-RACT controls determined for the process(es)  
are:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be

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performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 52: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201      Emission Point: 18201

Process: B01                      Emission Source: BL200

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx-RACT controls determined for the process(es)  
are:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the



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manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 53: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201      Emission Point: 18201

Process: B01                      Emission Source: BL300

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO<sub>x</sub>-RACT controls determined for the process(es)  
are:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency



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of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 54: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(c)(1)(iv)**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201      Emission Point: 18201

Process: B01                      Emission Source: BL400

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Alternate NO<sub>x</sub>-RACT control determined for the process(es)

is:

This unit shall meet the provisions of 227-2.4(d), as if



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it were a "small boiler". A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 55: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(c)(2)**

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201      Emission Point: 18201  
Process: B01                  Emission Source: BL500

Regulated Contaminant(s):  
CAS No: 0NY210-00-0      OXIDES OF NITROGEN

**Item 55.2:**

Compliance Certification shall include the following monitoring:



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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx-RACT compliance is:

NOx emission limit for midsize boilers cited in this condition, where initial stacking testing is required for compliance.

\*\* NOTE \*\* If the facility opts to use an approved low NOx burner, then 6NYCRR 227-2.4(c)(1)(i) applies in lieu of this condition.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40CFR 60, Appendix A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 56: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201      Emission Point: 18201

Process: B02                      Emission Source: BL100

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx-RACT controls determined for the process(es)  
are:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain



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documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 57: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201      Emission Point: 18201

Process: B02                      Emission Source: BL200

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO<sub>x</sub>-RACT controls determined for the process(es)  
are:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.



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The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 58: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201      Emission Point: 18201

Process: B02                      Emission Source: BL300

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx-RACT controls determined for the process(es)  
are:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

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The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 59: This is the optional condition for gas or distillate fired midsized boilers. If they opt not to use this method then 227-2.4(c)(2) applies. Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(c)(1)(i)**

**Item 59.1:**

This Condition applies to Emission Unit: B-18201 Emission Point: 18201  
Process: B02 Emission Source: BL500

**Item 59.2:**

Boilers firing natural gas and/or distillate oil shall utilize low NOx Burners.

**Condition 60: Compliance Certification Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(c)(1)(i)**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201



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Process: B02

Emission Source: BL500

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO<sub>x</sub>-RACT compliance is:

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall demonstrate that natural gas and/or distillate oil is primarily the fuel fired by boiler No. 5 for any 12 consecutive months.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

**\*\* NOTE \*\*** This condition is for midsized boilers firing gas. If the facility opts not to use an approved low NO<sub>x</sub> burner, then compliance with the 6NYCRR 227-2.4(c)(2) emission limit of "0.10 pounds NO<sub>x</sub> per million Btu" shall be demonstrated by initial stack testing and the emission limit shall be the upper permit limit. The initial stack testing parameter monitored shall be "NO<sub>x</sub>" (i.e. Oxides of Nitrogen), using the appropriate reference test method from "40CFR 60 Appendix A", and shall have a monitoring frequency of "single occurrence" with an averaging method of "1-hour average". Reporting requirements shall be "semi-annually (calendar), with reports due 30 days after the reporting period and subsequent reports due every 6 calendar months".

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 61: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**



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**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201    Emission Point: 18201  
Process: B03                Emission Source: BL100

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx-RACT controls determined for the process(es)  
are:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 62: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

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**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201    Emission Point: 18201  
Process: B03                Emission Source: BL200

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx-RACT controls determined for the process(es)  
are:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 63: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201    Emission Point: 18201  
Process: B03                Emission Source: BL300

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx-RACT controls determined for the process(es)  
are:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 64: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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**Applicable Federal Requirement: 6NYCRR 227-2.4(c)(1)(iv)**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201    Emission Point: 18201  
Process: B03                      Emission Source: BL400

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Alternate NOx-RACT control determined for the process(es)  
is:

This unit shall meet the provisions of 227-2.4(d), as if it were a "small boiler". A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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



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**Condition 65:** This is the optional condition for gas or distillate fired mid-sized boilers. If they opt not to use this method then 227-2.4(c)(2) applies.  
Effective between the dates of 08/02/2002 and 08/02/2007

**Applicable Federal Requirement: 6NYCRR 227-2.4(c)(1)(i)**

**Item 65.1:**

This Condition applies to Emission Unit: B-18201 Emission Point: 18201  
Process: B03 Emission Source: BL500

**Item 65.2:**

Boilers firing natural gas and/or distillate oil shall utilize low NOx Burners.

**Condition 66: Compliance Certification**  
Effective between the dates of 08/02/2002 and 08/02/2007

**Applicable Federal Requirement: 6NYCRR 227-2.4(c)(1)(i)**

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201  
Process: B03 Emission Source: BL500

**Item 66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx-RACT compliance is:

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall demonstrate that natural gas and/or distillate oil is primarily the fuel fired by boiler No. 5 for any 12 consecutive months.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

**\*\* NOTE \*\*** This condition is for mid-sized boilers firing distillate oil. If the facility opts not to use an approved low NOx burner, then compliance with the 6NYCRR



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227-2.4(c)(2) emission limit of "0.12 pounds NO<sub>x</sub> per million Btu" shall be demonstrated by initial stack testing and the emission limit shall be the upper permit limit. The initial stack testing parameter monitored shall be "NO<sub>x</sub>" (i.e. Oxides of Nitrogen), using the appropriate reference test method from "40CFR 60 Appendix A", and shall have a monitoring frequency of "single occurrence" with an averaging method of "1-hour average". Reporting requirements shall be "semi-annually (calendar), with reports due 30 days after the reporting period and subsequent reports due every 6 calendar months".

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 67: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: D-17551

**Item 67.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.



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Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 68: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(b)**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: D-17551

**Item 68.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 69: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**



**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: D-17551

**Item 69.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The facility owner/operator shall conduct a visible emissions "periodic monitoring" observation (determining the presence or absence of visible emissions other than the emission of uncombined water) of all emission points and/or emission sources for the process(es) once per week during weeks the emission unit process(es) operate. The observation shall be conducted during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If the instantaneous observation of any visible emissions from the same emission point and/or emission source is 20 percent or greater for two consecutive observations, then a Method 9 analysis (based upon a six minute average) of the affected emission point(s) must be conducted within two business days of such occurrence. The operator must notify the Regional Air Pollution Control Engineer (RAPCE) within one business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of weekly observations shall include weather conditions observed, an explanation for each week that weather conditions are prohibitive, whether visible emissions of 20 percent or greater are or are not observed, and corrective actions taken. The documentation maintained shall also include

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records of Method 9 analyses performed.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 70: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 70.1:**

The Compliance Certification activity will be performed for:

Emission Unit: D-17551

**Item 70.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 71: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

**Item 71.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The facility owner/operator shall conduct a visible emissions "periodic monitoring" observation (determining the presence or absence of visible emissions other than the emission of uncombined water) of all emission points and/or emission sources for the process(es) once per week during weeks the emission unit process(es) operate. The observation shall be conducted during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If the instantaneous observation of any visible emissions from the same emission point and/or emission source is 20 percent or greater for two consecutive observations, then a Method 9 analysis (based upon a six minute average) of the affected emission point(s) must be conducted within two business days of such occurrence. The operator must notify the Regional Air Pollution Control Engineer (RAPCE) within one business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.



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Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of weekly observations shall include weather conditions observed, an explanation for each week that weather conditions are prohibitive, whether visible emissions of 20 percent or greater are or are not observed, and corrective actions taken. The documentation maintained shall also include records of Method 9 analyses performed.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 72: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

**Item 72.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.



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Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 9  
Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 73: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 73.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

**Item 73.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (fabric filter and high efficiency particulate air filter) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the



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control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 74: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(b)**

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

**Item 74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.



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Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 75: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

Regulated Contaminant(s):

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

**Item 75.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PM-10

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



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**METHOD INDICATED**

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 76: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 76.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 76.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 77: Compliance Certification**



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**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 77.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 77.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total material throughput for any 12 consecutive months is individually limited for each of the following three devices to:

HVOF (Unit 1): 20,000 pounds;  
ESR-CIG (Unit 2): 250,000 pounds; and  
Spray Booth (Unit 3): 20,000 pounds.

The total material throughput for any 12 consecutive months is limited to 290,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: MATERIAL

Upper Permit Limit: 290,000 pounds

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.



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

**Condition 78: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 78.1:**

The Compliance Certification activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

Regulated Contaminant(s):

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

**Item 78.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total material throughput for any 12 consecutive months is individually limited for each of the following three devices to:

HVOF (Unit 1): 20,000 pounds;  
ESR-CIG (Unit 2): 250,000 pounds; and  
Spray Booth (Unit 3): 20,000 pounds.

The total material throughput for any 12 consecutive months is limited to 290,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: MATERIAL

Upper Permit Limit: 290,000 pounds

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 79: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.3**

**Item 79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-17625

**Item 79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired internal combustion engines which 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) On each day any internal combustion engine is fired by fuel oil, observe the stack for that internal combustion engine which is operating on oil once per day for visible emissions (determining the presence or absence of 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?

3) If the daily instantaneous observations of any visible emissions (other than steam - see \*\* NOTE \*\* below) are greater than 20 percent for two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon



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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 notify the Regional Air Pollution Control Engineer (RAPCE) within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

4) Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

5) The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

**\*\* 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.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 80: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.3(a)**

**Item 80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-17625

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**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 81: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.5(c)**

**Item 81.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-17625

Process: G01

Regulated Contaminant(s):

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

**Item 81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The alternate NO<sub>x</sub>-RACT control determined for the process(es) shall be a limit of 450 hours of diesel generator operation in any twelve consecutive months and



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the alternate NO<sub>x</sub>-RACT emission limit determined for the process(es), subject to EPA approval as a revision to the State Implementation Plan, shall be a limit of 12.0 grams per brake horsepower-hour, both as clarified in GE letters to the Department dated 10/15/96, 2/25/97, 10/9/01, and the manufacturer's exhaust emissions test data sheet submitted on 4/12/02.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 450 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 82: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.5(c)**

**Item 82.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-17625

Process: G01

**Item 82.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To ensure the equipment runs at optimum conditions and stays in compliance with the alternate NO<sub>x</sub>-RACT control and the alternate emission limit, a periodic maintenance program shall be performed by operating and maintaining the equipment in accordance with the manufacturer's operating procedures, instructions, and requirements or



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good engineering practice. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of equipment checks and the maintenance activities, repairs, and corrective actions performed.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 83: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-17625

Process: G01

**Item 83.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 60 days of permit issuance, the facility owner or operator shall submit, for Department approval, a schedule for demonstrating compliance with the requirements of 6 NYCRR 227.2(b)(1) through stack testing.

This schedule shall outline the following at a minimum:

Date of submission of stack test protocol(s) for

Department review, proposed date(s) of stack test, and



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proposed date(s) of submission of stack test results.

The stack test and the submission of results shall be in accordance with the approved schedule and shall be completed no later than 240 days prior to expiration of the permit. The stack test protocol shall be submitted to the Department for approval at least 60 days prior to the proposed date of emissions testing. Stack test results shall be submitted to the Department for acceptance no later than 60 days after completion of the test.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 84: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-17625

Process: G01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 84.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



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Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition,
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: 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 60 days after the reporting period.

The initial report is due 3/1/2003.

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

**Condition 85: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-1.3(a)**

**Item 85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-17659      Emission Point: 17659  
Process: H01                  Emission Source: AP300

**Item 85.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60. The Department reserves the right to perform or require the performance of a Method 9

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opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 86: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 227-2.4(d)**

**Item 86.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-17659    Emission Point: 17659  
Process: H01                Emission Source: AP300

**Item 86.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx-RACT control determined for the process(es) is:

A tune-up of this unit, consisting of adjustments made to the combustion process to optimize combustion efficiency of the unit in accordance with procedures provided by the manufacturer (or an approved specialist), shall be performed annually.

The owner or operator of this unit shall maintain documentation, by keeping records as appropriate, to demonstrate compliance. The records shall contain information which includes the date on which the combustion process was adjusted; the name, title and affiliation of the person who made the adjustments; and a checklist of the manufacturer's written procedures completed by the person who made the adjustments. The checklist shall contain the same information as the example checklist included as Appendix A of DAR-5 (formerly Air Guide 33).

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Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 87: Applicability of General Provisions of 40 CFR 60 Subpart A  
Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 87.1:**

This Condition applies to Emission Unit: H-17659 Emission Point: 17659  
Process: H01 Emission Source: AP300

**Item 87.2:**

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**Condition 88: EPA Region 2 address.  
Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A**

**Item 88.1:**

This Condition applies to Emission Unit: H-17659 Emission Point: 17659  
Process: H01 Emission Source: AP300

**Item 88.2:**

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance  
USEPA Region 2  
290 Broadway, 21st Floor  
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:



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NYSDEC  
Bureau of Enforcement and Compliance Assurance  
625 Broadway  
Albany, NY 12233-3258

**Condition 89: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 60.48c(g), NSPS Subpart Dc**

**Item 89.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-17659    Emission Point: 17659  
Process: H01                Emission Source: AP300

**Item 89.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 90: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 60.48c(i), NSPS Subpart Dc**

**Item 90.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-17659    Emission Point: 17659  
Process: H01                Emission Source: AP300

**Item 90.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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**Monitoring Description:**

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

**Reporting Requirements: SEMI-ANNUALLY (CALENDAR)**

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 91: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 91.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

**Item 91.2:**

Compliance Certification shall include the following monitoring:

**Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES**

**Monitoring Description:**

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (fabric filters) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not



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operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 92: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(b)**

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations



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as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 93: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 93.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 94: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 94.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

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

**Item 94.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PM-10

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 95: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**



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**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 95.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

**Item 95.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The facility owner/operator shall conduct a visible emissions "periodic monitoring" observation (determining the presence or absence of visible emissions other than the emission of uncombined water) of all emission points and/or emission sources for the process(es) once per week during weeks the emission unit process(es) operate. The observation shall be conducted during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If the instantaneous observation of any visible emissions from the same emission point and/or emission source is 20 percent or greater for two consecutive observations, then a Method 9 analysis (based upon a six minute average) of the affected emission point(s) must be conducted within two business days of such occurrence. The operator must notify the Regional Air Pollution Control Engineer (RAPCE) within one business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of weekly observations shall include weather conditions observed, an explanation for each week that weather conditions are prohibitive, whether visible emissions of 20 percent or greater are or are not observed, and corrective actions taken. The documentation maintained shall also include records of Method 9 analyses performed.

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Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 96: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 96.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

**Item 96.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 97: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 97.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

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

**Item 97.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The total material throughput for any 12 consecutive months is limited to 10,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: MATERIAL  
Upper Permit Limit: 10,000 pounds  
Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 98: Compliance Certification**



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**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 98.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 98.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total material throughput for any 12 consecutive months is limited to 10,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: MATERIAL

Upper Permit Limit: 10,000 pounds

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 99: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 99.1:**



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The Compliance Certification activity will be performed for:

Emission Unit: P-17021 Emission Point: 17021

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 99.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total coating throughput for any 12 consecutive months is limited to 1,000 gallons of all coatings for this emission unit (spray paint booth).

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: COATING

Upper Permit Limit: 1000 gallons

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 100: Applicability of General Provisions of 40 CFR 60 Subpart A Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 100.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021

**Item 100.2:**

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.



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**Condition 101: EPA Region 2 address.**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A**

**Item 101.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021

**Item 101.2:**

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance  
USEPA Region 2  
290 Broadway, 21st Floor  
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC  
Bureau of Enforcement and Compliance Assurance  
625 Broadway  
Albany, NY 12233-3258

**Condition 102: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 60.310(c), NSPS Subpart EE**

**Item 102.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021 Emission Point: 17021

**Item 102.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any owner or operator of a metal furniture surface coating operation that uses less than 3,842 liters (1015 gallons) of coating (as applied) per year and keeps purchase or inventory records or other data necessary to



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substantiate annual coating usage shall be exempt from all other provisions of this subpart. These records shall be maintained at the source for a period of at least 2 years.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 103: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 103.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021 Emission Point: 17021

Process: P01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 103.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of all paint spray booths must periodically monitor the booths and the accompanying particulate control device(s) by completing the following tasks on a weekly basis during weeks the paint spray booths operate:

- Inspect the spray booth emission point for evidence of paint fallout and for presence of visible emissions. Presence of visible emissions indicates that the emission sources may not be operating properly and may need servicing.
- Inspect the spray booth's particulate control device for evidence that maintenance or replacement is needed.
- Record in an inspection log, which shall be made available for Department review upon request, the following information: Date, time, name of staff person performing inspection, and inspection results for each



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inspection; and, whenever a problem is discovered, a description of the problem, cause and corrective action taken.

Regardless of when a problem is noted, i.e., at a time other than during the weekly inspection, it must be immediately remedied.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 104: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 104.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021    Emission Point: 17021  
Process: P01

Regulated Contaminant(s):

CAS No: 0NY075-00-0    PARTICULATES

**Item 104.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5



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Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 105: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 105.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021 Emission Point: 17021  
Process: P01

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

**Item 105.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 9  
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).



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**Condition 106: Applicability and compliance**

Effective between the dates of 08/02/2002 and 08/02/2007

**Applicable Federal Requirement: 6NYCRR 228.1(a)**

**Item 106.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021  
Process: P01

**Item 106.2:**

Any owner or operator of a facility involving a coating line described in table 1 of 6NYCRR Part 228.7 or in table 2 of 6NYCRR Part 228.8 and which meets the current applicability criteria, must include with the application for a permit, the method or methods which will be used to comply with the requirements of 6NYCRR Part 228.

**Condition 107: Compliance Certification**

Effective between the dates of 08/02/2002 and 08/02/2007

**Applicable Federal Requirement: 6NYCRR 228.2**

**Item 107.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021 Emission Point: 17021  
Process: P01

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

**Item 107.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For all surface coatings subject to 6NYCRR Part 228, the VOC content (as applied, minus water and exempt VOC), must be less than or equal to the limit specified in Table 1 or Table 2 for the respective surface that is coated.

The VOC content of a coating, as applied, is calculated as follows:

$$(VOC)_a = (Dc)_a \{ [(Wv)_a - (Ww)_a - (We)_a] / [1 - [(Vw)_a + (Ve)_a]] \}$$

Where:

(VOC)<sub>a</sub> = VOC content of "as applied" coating, expressed as a mass of VOC in pounds, per gallon of coating, in



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gallons, minus water and exempt VOC  
(Dc)<sub>a</sub>= Coating density as applied, in pounds per gallon  
(Wv)<sub>a</sub>= The weight fraction of total volatiles in the coating, as applied  
(Ww)<sub>a</sub>= The weight fraction of water in the coating, as applied  
(Vw)<sub>a</sub>= The volume fraction of water in the coating, as applied  
(We)<sub>a</sub>= The weight fraction of exempt VOCs in the coating, as applied  
(Ve)<sub>a</sub>= The volume fraction of exempt VOCs in the coating, as applied

Reference Test Method: Method 24 (40CFR60)

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 108: Volatile organic compound emission control requirements  
Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.3(a)**

**Item 108.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021  
Process: P01

**Item 108.2:**

No person shall cause or allow the usage of coatings that exceed the allowable pounds of volatile organic compounds per gallon, minus water and excluded VOC at application, as specified in table 1 and table 2 of Part 228, unless an approved coating system or approved control equipment is utilized or a variance has been granted.

In the absence of an approved coating system, approved control equipment or a variance, surface coating of only those materials specified in conditions of this permit citing Tables 1 and 2 in Sections 228.7 and 228.8 shall be allowed.

**Condition 109: Compliance Certification  
Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.4**



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**Facility DEC ID: 4422400001**

**Item 109.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021    Emission Point: 17021  
Process: P01

**Item 109.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No person shall cause or allow emissions to the outdoor atmosphere having an average opacity of 20 percent or greater for any consecutive six-minute period from any emission source subject to 6NYCRR Part 228.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 110: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.4**

**Item 110.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021    Emission Point: 17021  
Process: P01

**Item 110.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions to the outdoor

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atmosphere having an average opacity of 20 percent or greater for any consecutive six-minute period from any emission source subject to 6NYCRR Part 228.

The facility owner/operator shall conduct a visible emissions "periodic monitoring" observation (determining the presence or absence of visible emissions) of all emission points and/or emission sources for the process(es) once per day during days the paint spray booths operate. The observation shall be conducted during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If the instantaneous observation of any visible emissions from the same emission point and/or emission source is 20 percent or greater for two consecutive observations, then a Method 9 analysis (based upon a six minute average) of the affected emission point(s) must be conducted within two business days of such occurrence. The operator must notify the Regional Air Pollution Control Engineer (RAPCE) within one business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of daily observations shall include weather conditions observed, an explanation for each day that weather conditions are prohibitive, whether visible emissions of 20 percent or greater are or are not observed, and corrective actions taken. The documentation maintained shall also include records of Method 9 analyses performed.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.



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The initial report is due 1/30/2003.

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

**Condition 111: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.5(a)**

**Item 111.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021 Emission Point: 17021

Process: P01

**Item 111.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance with the following.

- Certification records from the coating supplier/manufacturer which verifies the parameters used to determine the actual VOC content of the as applied coating, for each coating used at the facility, must be maintained and, upon request, be provided to the Department's representative. In addition, purchase, usage and/or production records of the coating material, including solvents, must be maintained.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 112: method 24 40 CFR 60**

**Effective between the dates of 08/02/2002 and 08/02/2007**



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**Applicable Federal Requirement: 6NYCRR 228.5(b)**

**Item 112.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021  
Process: P01

**Item 112.2:**

Acceptable analytical methods for determining the volatile content, water content, density, volume of solids and weight of solids of surface coatings are presented in appendix A, method 24, of 40 CFR 60.

**Condition 113: Alternative Analytical Methods**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.5(c)**

**Item 113.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021  
Process: P01

**Item 113.2:**

Where the methods referenced in 6 NYCRR Part 228.5(b) are not applicable, alternate analytical methods for surface coating may be acceptable, subject to the approval of the commissioner.

**Condition 114: samples**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.5(d)**

**Item 114.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021  
Process: P01

**Item 114.2:**

Representatives of the department shall be permitted, during reasonable business hours, to obtain coating samples for the purpose of determining compliance.

**Condition 115: prohibition of sale or specification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.6(a)**

**Item 115.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021  
Process: P01

**Item 115.2:**

No person shall sell, specify, or require for use the application of a coating on a part or product at a facility with a coating line described in table 1 or 2 of 6NYCRR Part 228 if such use is prohibited.



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This 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:

- (1) coatings utilized at surface coating lines where control equipment has been installed to meet the allowable VOC content limitations specified in tables 1 and 2 of Part 228;
- (2) coatings utilized at surface coating lines where a coating system is used which meets the requirements specified in Part 228; and
- (3) coatings utilized at surface coating lines that have been granted variances for reasons of technological and economic feasibility.

**Condition 116: certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.6(b)**

**Item 116.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021  
Process: P01

**Item 116.2:**

Any person selling a coating for use in a coating line subject to 6NYCRR Part 228 must, upon request, provide the user with certification of the volatile organic compound content of the coating supplied.

**Condition 117: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.7**

**Item 117.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021 Emission Point: 17021  
Process: P01

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

**Item 117.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Except as provided in 6NYCRR 228.1(h), coatings used to coat metal furniture may contain no more than 3.0 pounds of VOC per gallon of coating, (minus water and excluded



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VOC) as applied.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: PAINT  
Parameter Monitored: VOC CONTENT  
Upper Permit Limit: 3.0 pounds per gallon  
Reference Test Method: Method 24 (40CFR60)  
Monitoring Frequency: SINGLE OCCURRENCE  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 118: Handling, storage and disposal of volatile organic compounds**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.10**

**Item 118.1:**

This Condition applies to Emission Unit: P-17021 Emission Point: 17021  
Process: P01

**Item 118.2:**

No owner or operator of a facility subject to 6NYCRR Part 228 shall:

- (a) use open containers to store or dispose of cloth or paper impregnated with VOC and/or solvents that are used for surface preparation, cleanup, or coating removal;
- (b) store in open containers spent or fresh VOC and/or solvents to be used for surface preparation, cleanup, or coating removal;
- (c) use VOC and/or solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize their evaporation to the atmosphere;
- (d) 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



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actual device or equipment designed for the purpose of applying a coating material to a substrate; or

(e) use open containers to store or dispose of spent surface coatings, spent VOCs and/or solvents.

**Condition 119: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 228.1(h)**

**Item 119.1:**

The Compliance Certification activity will be performed for:

Emission Unit: P-17021 Emission Point: 17021

Process: P02

**Item 119.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

6NYCRR Part 228 does not apply to low-use specialty coatings where the plantwide total annual usage is equal or less than 55 gallons, provided that:

1. each specialty coating must be approved by the commissioner's representative prior to application;
2. records must be maintained on an as used basis in a format acceptable to the commissioner that documents actual usage;
3. the annual potential to emit from low-use specialty coatings does not exceed five percent of the facility's total annual potential to emit;
4. the facility's permits are modified to identify any coating(s) approved by the commissioner's representative which are exempt from 6NYCRR Part 228.

Two low-use specialty coatings are approved and are identified as: IE-20200 Instant Enamel (Lead-Free Alkyd Enamel) manufactured by Benjamin Moore, with VOC content (as applied) of 3.67 - 3.82 pounds per gallon, water-free basis; and F77XX Lead Free Custom Color (Quick Dry Enamel) manufactured by Sherwin Williams, with VOC Content (as applied) of 4.4 - 5.1 pounds per gallon, water-free basis.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall include, but not be limited to, the VOC content, amount



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purchased, and amount used for each coating; and the amount of organic solvent purchased and used.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 120: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 120.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-17611

**Item 120.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (fabric filters, any other control device(s), and mist eliminator) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate



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compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 121: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(b)**

**Item 121.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-17611

**Item 121.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the



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commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 122: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 122.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-17611

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 122.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PARTICULATES



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Upper Permit Limit: 0.050 grains per dscf  
Reference Test Method: EPA Method 5  
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 123: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(c)**

**Item 123.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-17611

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

**Item 123.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PM-10  
Upper Permit Limit: 0.050 grains per dscf  
Reference Test Method: EPA Method 5  
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 124: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 124.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-17611

**Item 124.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The facility owner/operator shall conduct a visible emissions "periodic monitoring" observation (determining the presence or absence of visible emissions other than the emission of uncombined water) of all emission points and/or emission sources for the process(es) once per week during weeks the emission unit process(es) operate. The observation shall be conducted during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If the instantaneous observation of any visible emissions from the same emission point and/or emission source is 20 percent or greater for two consecutive observations, then a Method 9 analysis (based upon a six minute average) of the affected emission point(s) must be conducted within two business days of such occurrence. The operator must notify the Regional Air Pollution Control Engineer (RAPCE) within one business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

Documentation shall be maintained, by keeping records as



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appropriate, to demonstrate compliance. Records of weekly observations shall include weather conditions observed, an explanation for each week that weather conditions are prohibitive, whether visible emissions of 20 percent or greater are or are not observed, and corrective actions taken. The documentation maintained shall also include records of Method 9 analyses performed.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 125: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 125.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-17611

**Item 125.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.



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Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 9  
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 126: Compliance Certification**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 126.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-17611

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

**Item 126.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total material throughput for any 12 consecutive months is limited to 10,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: MATERIAL  
Upper Permit Limit: 10,000 pounds  
Monitoring Frequency: MONTHLY



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Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 127: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 127.1:**

The Compliance Certification activity will be performed for:

Emission Unit: R-17611

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 127.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The total material throughput for any 12 consecutive months is limited to 10,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: MATERIAL

Upper Permit Limit: 10,000 pounds

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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**Condition 128: Compliance Certification**

Effective between the dates of 08/02/2002 and 08/02/2007

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

**Item 128.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-17260

**Item 128.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (direct flame afterburners and wet scrubbers) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department,



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shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 129: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(b)**

**Item 129.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-17260

**Item 129.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.



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

**Condition 130: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 130.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-17260

**Item 130.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The facility owner/operator shall conduct a visible emissions "periodic monitoring" observation (determining the presence or absence of visible emissions other than the emission of uncombined water) of all emission points and/or emission sources for the process(es) once per week during weeks the emission unit process(es) operate. The observation shall be conducted during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If the instantaneous observation of any visible emissions from the same emission point and/or emission source is 20 percent or greater for two consecutive observations, then a Method 9 analysis (based upon a six minute average) of the affected emission point(s) must be conducted within two business days of such occurrence. The operator must notify the Regional Air Pollution Control Engineer (RAPCE) within one business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of weekly observations shall include weather conditions observed, an



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explanation for each week that weather conditions are prohibitive, whether visible emissions of 20 percent or greater are or are not observed, and corrective actions taken. The documentation maintained shall also include records of Method 9 analyses performed.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 131: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 131.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-17260

**Item 131.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent



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Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 132: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 230.5**

**Item 132.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001    Emission Point: U0001  
Process: U01                Emission Source: TK100

**Item 132.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any gasoline dispensing site must maintain records showing the quantity of all gasoline delivered to the site. These records must be retained at the gasoline dispensing site for at least two years, and must be made readily available to the commissioner or the commissioner's representative at any reasonable time.

The sum of all gasoline deliveries to a gasoline-dispensing site during the previous 12 consecutive months will be used to determine whether the requirements of section 230.2 of this Part apply. Once a gasoline-dispensing site becomes subject to the requirements of section 230.2 because its annual gasoline throughput exceeds an applicability level, subsequent decreases in gasoline deliveries or throughput do not excuse a source owner from having to maintain the effectiveness of the stage I and/or stage II equipment.

The owner or operator of a gasoline dispensing site must conspicuously post a copy of the registration form required by Part 201 of this Title at the gasoline



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dispensing site in a location accessible for inspection during all operational hours.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 133: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 133.1:**

The Compliance Certification activity will be performed for:

Emission Unit: W-17018

**Item 133.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

The facility owner/operator shall semi-annually inspect each parts washer/degreaser container. If available, a copy of the supplier's/manufacture's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. For each container, the records shall indicate the container identification number, building number and location, container make/model, solvent identification, working volume of the container tank, and the date and amount of

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solvent removed and added to the container tank.

If a parts washer/degreaser container is operated so that its solvent is stored in the covered container and its waste solvent is transferred or disposed of in such manner that 20 percent or more of the waste solvent (by weight) evaporates into the atmosphere, corrective action is required. The container supplier's/manufacture's operating procedures, instructions and requirements shall be reviewed with the users of such containers, with emphasis placed that the container cover shall be closed at all times when solvent cleaning does not occur. The records shall provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: SEMI-ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 134: Requirements for cold cleaning (batch cold) degreasers  
Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 226.**

**Item 134.1:**

This Condition applies to Emission Unit: W-17018

**Item 134.2:**

**6NYCRR Part 226 Requirements for Cold Cleaning Degreasers**

**A. Equipment specifications:**

1. A cover shall be provided which can be operated easily.
2. The drainage facility shall be internal (under cover), if practical.
3. A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.7, or a water cover where the solvent is insoluble in and heavier than water, where the solvent being used has a vapor pressure greater than 33mm Hg at 38°C (100°F) or where the solvent is heated above 50°C (120°F)

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**B. Operating requirements:**

1. Clean parts shall be drained at least 15 seconds or until dripping ceases.

**C. General requirements:**

No person shall conduct solvent metal cleaning unless:

1. Solvent is stored in covered containers and waste solvent is transferred or disposed of in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
2. Equipment used in solvent metal cleaning is maintained to minimize leaks and fugitive emissions.
3. Equipment used in solvent metal cleaning displays a conspicuous summary of proper operating procedures consistent with minimizing emissions of volatile organic compounds.
4. Equipment covers are closed when the solvent metal cleaning unit is not in service.
5. A record of solvent consumption shall be maintained for each year and made available to the commissioner or his representative upon request.

**Condition 135: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 135.1:**

The Compliance Certification activity will be performed for:

Emission Unit: Z-17601    Emission Point: 17601

**Item 135.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (water curtain) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities,



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repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required.

Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 136: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.4(b)**

**Item 136.1:**

The Compliance Certification activity will be performed for:

Emission Unit: Z-17601 Emission Point: 17601

**Item 136.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.



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Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 137: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 137.1:**

The Compliance Certification activity will be performed for:

Emission Unit: Z-17601 Emission Point: 17601

**Item 137.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The facility owner/operator shall conduct a visible emissions "periodic monitoring" observation (determining the presence or absence of visible emissions other than the emission of uncombined water) of all emission points and/or emission sources for the process(es) once per week during weeks the emission unit process(es) operate. The observation shall be conducted during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If the instantaneous observation of any visible emissions from the same emission point and/or emission source is 20



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percent or greater for two consecutive observations, then a Method 9 analysis (based upon a six minute average) of the affected emission point(s) must be conducted within two business days of such occurrence. The operator must notify the Regional Air Pollution Control Engineer (RAPCE) within one business day of performing the Method 9 analysis if the opacity standard is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of weekly observations shall include weather conditions observed, an explanation for each week that weather conditions are prohibitive, whether visible emissions of 20 percent or greater are or are not observed, and corrective actions taken. The documentation maintained shall also include records of Method 9 analyses performed.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 138: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 138.1:**

The Compliance Certification activity will be performed for:

Emission Unit: Z-17601    Emission Point: 17601

**Item 138.2:**

Compliance Certification shall include the following monitoring:

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

**Monitoring Description:**

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 139: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 139.1:**

The Compliance Certification activity will be performed for:

Emission Unit: Z-17601 Emission Point: 17601

Regulated Contaminant(s):

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

**Item 139.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

**Monitoring Description:**

The total material throughput for any 12 consecutive months is limited to 20,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as



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appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: MATERIAL

Upper Permit Limit: 20,000 pounds

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 140: Compliance Certification**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable Federal Requirement: 40CFR 52.21(i)(1), Subpart A**

**Item 140.1:**

The Compliance Certification activity will be performed for:

Emission Unit: Z-17601 Emission Point: 17601

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 140.2:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total material throughput for any 12 consecutive months is limited to 20,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five

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years after the date of the last entry, and upon request,  
shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: MATERIAL  
Upper Permit Limit: 20,000 pounds  
Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable and are not subject to annual compliance certification requirements for Title V permits.**

**Condition 141: Contaminant List**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 141.1:**

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



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

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

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

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

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

**Condition 142: Unavoidable noncompliance and violations**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 142.1:**

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

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

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.



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

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

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

**Condition 143: Air pollution prohibited**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 143.1:**

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

**Condition 144: NO<sub>x</sub> and VOC RACT at Major Facilities**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable State Requirement: 6NYCRR 212.10(a)**

**Item 144.1:**

**Owners and/or operators of facilities located outside of the lower Orange County and New York City metropolitan areas with an annual potential to emit of 100 tons or more of nitrogen oxides or 50 tons or more of volatile organic compounds must comply with the requirements of section 212.10-Reasonably Available Control Technology for major facilities.**

**Condition 145: RACT Applicability for Major Facilities**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable State Requirement: 6NYCRR 212.10(e)**

**Item 145.1:**

All process sources applicable to 6 NYCRR Part 212.10 after May 31, 1995 will remain subject to all provisions of that section even if the facility's annual potential to emit of nitrogen oxides or volatile



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organic emissions falls below the applicability thresholds.

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

**Condition 146: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 146.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

**Item 146.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 60 days of permit issuance, the facility owner or operator shall submit, for Department approval, a schedule for demonstrating compliance with the requirements of 6 NYCRR 227-1.2(a)(2) through stack testing.

This schedule shall outline the following at a minimum:

Date of submission of stack test protocol(s) for Department review, proposed date(s) of stack test, and proposed date(s) of submission of stack test results.

The stack test and the submission of results shall be in accordance with the approved schedule and shall be completed no later than 240 days prior to expiration of the permit. The stack test protocol shall be submitted to the Department for approval at least 60 days prior to the proposed date of emissions testing. Stack test results shall be submitted to the Department for acceptance no later than 60 days after completion of the test.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request,

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shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 147: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 147.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 147.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 5 / Method 17

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2003.

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

**Condition 148: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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



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**Item 148.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-17551

**Item 148.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 149: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 149.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: D-17551

**Item 149.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental



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rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 150: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx  
Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable State Requirement: 6NYCRR 212.10(c)(1)**

**Item 150.1:**

This Condition applies to Emission Unit: D-17551

**Item 150.2:**

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas.

**Condition 151: Compliance Demonstration  
Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 151.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

**Item 151.2:**

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (fabric filter and high efficiency particulate air filter) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 152: Compliance Demonstration**



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**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 152.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

**Item 152.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 153: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 153.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

**Item 153.2:**



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Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 154: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 154.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

**Item 154.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas

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basis.

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

Parameter Monitored: PM-10

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

**DESCRIPTION**

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 155: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable State Requirement: 6NYCRR 212.9(b)**

**Item 155.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-17624 Emission Point: 17624

**Item 155.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The degree of air cleaning required is determined by Table 2 of 6NYCRR 212.9(b), as defined by emission rate potential.

A previous emission point permit regulating emissions from this emission unit indicates there are A rated contaminants, identifies the maximum emission rate potential at greater than 1 pound per hour, and indicates the degree of air cleaning is in excess of 99 percent. Calculations included with the Title V application indicate a maximum emission rate potential in excess of 1 pound per hour for an A rated contaminant and identify a removal efficiency greater than 99 percent.

For an A rated contaminant with an emission rate potential of 1 pound per hour or greater, Table 2 indicates the



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degree of air cleaning required shall be 99 percent or greater or best available control technology. Based on this requirement and on the preceding paragraph, the degree of air cleaning required for A rated contaminants is 99 percent.

The Department reserves the right to require the performance of compliance testing, should the need arise.

Parameter Monitored: DEGREE OF AIR CLEANING

Lower Permit Limit: 99 percent

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 156: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 156.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

**Item 156.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (fabric filters) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and

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requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 157: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 157.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

**Item 157.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an



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environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 158: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 158.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

**Item 158.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PARTICULATES



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Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 159: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 159.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

**Item 159.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PM-10

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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



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**Condition 160: Compliance Demonstration**

Effective between the dates of 08/02/2002 and 08/02/2007

**Applicable State Requirement: 6NYCRR 212.9(b)**

**Item 160.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

**Item 160.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The degree of air cleaning required is determined by Table 2 of 6NYCRR 212.9(b), as defined by emission rate potential.

A previous emission point permit regulating emissions from this emission unit indicates there are A rated and B rated contaminants, identifies the maximum emission rate potential (for both total and individual contaminants) at less than 1 pound per hour, and indicates the degree of air cleaning is 95 percent or higher. Calculations included with the Title V application indicate a maximum emission rate potential of less than 1 pound per hour for both individual A rated and B rated contaminants, a total emission rate potential of between 1 and 10 pounds per hour for all the contaminants, and a removal efficiency of 95 percent or greater.

For A rated contaminants with an emission rate potential of less than 1 pound per hour and for B rated contaminants with an emission rate potential of less than 10 pounds per hour, Table 2 indicates the degree of air cleaning required shall be specified by the Department. Based on this requirement and on the preceding paragraph, the degree of air cleaning required for A rated contaminants is that identified as existing in the Title V permit application and accompanying calculations, which is 95 percent for the spray forming operation (DC Plasma Spray) and 98 percent for the vacuum pump system (Vacuum System).

The Department reserves the right to require the performance of compliance testing, should the need arise.

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Parameter Monitored: DEGREE OF AIR CLEANING  
Lower Permit Limit: 95 percent  
Reference Test Method: 40 CFR 60 Appendix A  
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION  
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 161: Compliance Demonstration**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 161.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: R-17611

**Item 161.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (fabric filters, any other control devices(s), and mist eliminator) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.



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In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 162: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 162.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: R-17611

**Item 162.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

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Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 163: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 163.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: R-17611

**Item 163.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 164: Compliance Demonstration**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 164.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: R-17611

**Item 164.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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

Parameter Monitored: PM-10

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 165: Compliance Demonstration**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable State Requirement: 6NYCRR 212.9(b)**

**Item 165.1:**

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The Compliance Demonstration activity will be performed for:

Emission Unit: R-17611

**Item 165.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The degree of air cleaning required is determined by Table 2 of 6NYCRR 212.9(b), as defined by emission rate potential.

A previous emission point permit regulating emissions from this emission unit indicates there are A rated and B rated contaminants, identifies the maximum emission rate potential (for both total and individual contaminants) at less than 1 pound per hour, and indicates the degree of air cleaning is 95 percent or higher. Calculations included with the Title V application indicate a maximum emission rate potential of less than 1 pound per hour for individual A rated contaminants, a total emission rate potential of less than 10 pounds per hour for all the B rated contaminants, a total emission rate potential of between 1 and 10 pounds per hour for all the contaminants, and a removal efficiency of 95 percent or greater.

For A rated contaminants with an emission rate potential of less than 1 pound per hour and for B rated contaminants with an emission rate potential of less than 10 pounds per hour, Table 2 indicates the degree of air cleaning required shall be specified by the Department. Based on this requirement and on the preceding paragraph, the degree of air cleaning required for A rated contaminants is that identified as existing in the Title V permit application and accompanying calculations, which is 95 percent for the spray forming operation (RF Plasma Spray) and 98 percent for the vacuum pump system (Vacuum System).

The Department reserves the right to require the performance of compliance testing, should the need arise.

Parameter Monitored: DEGREE OF AIR CLEANING

Lower Permit Limit: 95 percent

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION



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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 166: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 166.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-17260

**Item 166.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (direct flame afterburners and wet scrubbers) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance.



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The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 167: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 167.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-17260

**Item 167.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.



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Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 168: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable State Requirement: 6NYCRR 212.9(b)**

**Item 168.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: S-17260

**Item 168.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The degree of air cleaning required is determined by Table 2 of 6NYCRR 212.9(b), as defined by emission rate potential.

A previous emission point permit regulating emissions from this emission unit indicates there are B rated contaminants, identifies the maximum emission rate potential at less than 10 pounds per hour, and indicates the degree of air cleaning is 0 percent.

For a B rated contaminant with an emission rate potential of less than 10 pounds per hour, Table 2 indicates the degree of air cleaning required shall be specified by the Department. Based on this requirement and on the preceding paragraph, the degree of air cleaning required for B rated contaminants is 0 percent.

The Department reserves the right to require the performance of compliance testing, should the need arise.

Parameter Monitored: DEGREE OF AIR CLEANING

Lower Permit Limit: 0 percent

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION



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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 169: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 169.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: W-17018

**Item 169.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

The facility owner/operator shall semi-annually inspect each parts washer/degreaser container. If available, a copy of the supplier's/manufacture's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. For each container, the records shall indicate the container identification number, building number and location, container make/model, solvent identification, working volume of the container tank, and the date and amount of solvent removed and added to the container tank.

If a parts washer/degreaser container is operated so that its solvent is stored in the covered container and its waste solvent is transferred or disposed of in such manner that 20 percent or more of the waste solvent (by weight) evaporates into the atmosphere, corrective action is required. The container supplier's/manufacture's operating procedures, instructions and requirements shall be reviewed with the users of such containers, with



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emphasis placed that the container cover shall be closed at all times when solvent cleaning does not occur. The records shall provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: SEMI-ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 6 calendar month(s).

**Condition 170: Compliance Demonstration**  
**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 170.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: Z-17601 Emission Point: 17601

**Item 170.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (water curtain) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of

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control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 171: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

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

**Item 171.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: Z-17601 Emission Point: 17601

**Item 171.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

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Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

**Condition 172: Compliance Demonstration**

**Effective between the dates of 08/02/2002 and 08/02/2007**

**Applicable State Requirement: 6NYCRR 212.9(b)**

**Item 172.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: Z-17601 Emission Point: 17601

**Item 172.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The degree of air cleaning required is determined by Table 2 of 6NYCRR 212.9(b), as defined by emission rate potential.

A previous emission point permit regulating emissions from this emission unit indicates there is an A rated contaminant with a maximum emission rate potential of less than 1 pound per hour, and identifies an existing control (water curtain) with a degree of air cleaning of 90 percent. Calculations included with the Title V application indicate a maximum emission rate potential in excess of 1 pound per hour for an A rated contaminant and identify a removal efficiency of 90 percent. Information provided with a GE letter dated May 15, 2001 indicates, in Comment #9 on Page 3 of the "Initial Comments on the Draft Permit" section of the attachment, that "the original

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description of the materials being used was incorrect given current operations" and calculates, in the "Revised Calculations" section of the attachment, the emission rate potential to be 25 pounds per hour. Additional information provided in a GE letter dated August 17, 2001 indicates that each of the materials being sprayed has been given a B rating by the Department (from existing permit) and provides notification that the water curtain control is to be replaced by a fabric filter control with a capability of removing more than 99 percent of all particulate matter according to manufacturer's literature.

For a B rated contaminant with an emission rate potential between 20 and 100 pounds, Table 2 indicates the degree of air cleaning required shall be 91 percent or greater. Based on this requirement and on the preceding paragraph, the degree of air cleaning required for B rated contaminants is 91 percent.

The Department reserves the right to require the performance of compliance testing, should the need arise.

Parameter Monitored: DEGREE OF AIR CLEANING

Lower Permit Limit: 91 percent

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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