



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 5-0928-00017/00291  
Mod 0 Effective Date: 06/23/2008 Expiration Date: 06/22/2013  
Mod 1 Effective Date: 10/31/2008 Expiration Date: No expiration date.  
Mod 2 Effective Date: 04/01/2009 Expiration Date: 06/22/2013  
Mod 3 Effective Date: 06/23/2009 Expiration Date: 06/22/2013

Permit Issued To: WYETH PHARMACEUTICALS INC  
64 MAPLE ST  
ROUSES POINT, NY 12979-1424

Facility: WYETH PHARMACEUTICALS  
64 MAPLE ST  
ROUSES POINT, NY 12979

Contact: MARK A MCCULLOUGH  
WYETH PHARMACEUTICALS  
64 MAPLE ST  
ROUSES POINT, NY 12979  
(518) 297-1086

Description:  
Wyeth Pharmaceuticals, Incorporated is a pharmaceutical manufacturing facility located in Clinton County, New York, Town of Champlain. The facility is primarily engaged in the formulation and packaging of solid dosage pharmaceuticals for human and veterinary use. The majority of products are finished in their final dosage forms. The facility also manufactures pharmaceutical products by chemical synthesis and extraction, and conducts research and development activities.

Emissions of NO<sub>x</sub> and SO<sub>2</sub> from the facility are each capped at 99 tons per year. Therefore, the control requirements contained in 6 NYCRR Subpart 227-2, Reasonably Available Control Technology (RACT) for NO<sub>x</sub>, and 40 CFR 52, Federal Prevention of Significant Deterioration of Air Quality (PSD) do not presently apply to sources at the facility. In addition, emissions of Volatile Organic Compounds (VOCs) from the facility are capped at 49 tons per year, such that the VOC RACT provisions of 6 NYCRR Section 212.10, as well as VOC RACT provisions in other rules (e.g., 6 NYCRR Parts 228 and 233) which are triggered by a facility-wide potential to emit (PTE) VOCs over 50 tons per year do not apply. However, certain VOC RACT requirements are triggered when the facility's PTE for VOCs is over 10 tons per year. Emissions of Hazardous Air Pollutants (HAPs) from the facility are capped at 24.5 tons per year for combined HAPs and 9.5 tons per year for speciated HAPs, such that MACT standards (i.e. 40 CFR 63 subpart GGG) do not apply at the facility.



Emission Unit No. 0-00001 - This Emission Unit consists of four (4) steam generating boilers each with a maximum rated heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour. Each existing unit has the capability to be fired with natural gas or No. 2 fuel oil (PR Nos. 001 and 01C). Natural gas is the primary fuel with No. 2 fuel oil as backup. Three boilers - ES Nos. 00074, 00204 and 00333, are subject to 40 CFR 60, Subpart Dc at 73, 84.5 and 98 million Btu/hr heat input capacity, respectively. The fourth boiler (ES No. 00001) predates 40 CFR 60, Subpart Dc and has a heat input capacity of 55.9 million Btu/hr. This boiler is regulated under 6 NYCRR Subpart 227-1. Each of the boilers has its own stack (EP Nos. 00001, 00100, 00149 and 00172).

Emission Unit No. 0-00002 - This Emission Unit consists of the Chemical Pilot Plant production equipment exhaust system (PEES). This system includes localized equipment pickups, primarily used to reduce worker exposure. Synthesized pharmaceutical manufacturing processes performed for production purposes under this emission unit are regulated under 6 NYCRR Part 233 for control of VOCs. Activities performed under this emission unit which are not covered by Part 233 are regulated primarily under 6 NYCRR Part 212.

Emission Unit No. 0-00003 - This covers the Main Plant production equipment exhaust system (PEES). This Emission Unit consists of localized equipment pickups, primarily used to reduce worker exposure. It also contains the House Vacuum system utilized to clean production area floors and equipment. Emissions from this emission unit are regulated primarily under 6 NYCRR Part 212.

Emission Unit No. 0-00004 - This Emission Unit consists of a dust collection system that ventilates room and equipment exhausts in the solids dosage manufacturing area. The dust collection system is controlled by a multi-chamber fabric filter (ES No. 00124) and vented through Emission Point No. 00106. Emissions from this emission unit are regulated primarily under 6 NYCRR Part 212.

Emission Unit No. 0-00005 - This Emission Unit consists of dryers and ovens utilized in the drying of pharmaceutical products. No synthesized pharmaceutical manufacturing processes are performed in this equipment. Therefore, emissions from this emission unit are regulated primarily under 6 NYCRR Part 212.

Emission Unit Nos. 0-00006 - This Emission Unit consists of equipment utilized in the sealing, coating, and polishing of pharmaceutical tablets. No synthesized pharmaceutical manufacturing processes are performed in this equipment. Emissions from these emission units are regulated primarily under 6 NYCRR Part 212.

Emission Unit No. 0-00008 - This Emission Unit consists of five (5) Chemical Bulk Storage Tanks storing one of the following chemicals: acetone; methanol; isopropanol; or toluene. This unit also contains three (3) hazardous waste tanks which store waste acetone and mixed solvents. Since these tanks may, at times, be associated with synthesized pharmaceutical manufacturing processes, the control requirements for storage tanks and the leak requirements under 6 NYCRR Part 233 apply. In addition, these tanks are subject to a single recordkeeping requirement under 40 CFR 60, Subpart Kb [60.116b(b)], but none of the other requirements contained in that regulation.

Emission Unit No. 0-00009 - This Emission Unit covers sources associated with the Chemical Development Pilot Plant. It consists of reactor series with both atmospheric and vacuum operations, centrifuge, and tray dryers vented to 1 of 4 types of vapor condensers



and/or a process scrubber. Emissions from all processes (PR ID's 017, 17B, 17C, 021 and 21B) are vented primarily through the GEP stack (EP 00144). However, process scrubbers (ES Nos. 00325-00330) may, in some instances be vented through individual non-GEP stacks (EP Nos. 00062, 00063, 00073, 00091, 00093 and 00096) provided they meet all applicable regulatory requirements while doing so. The unit also contains a wastewater treatment system consisting of pH neutralization and steam stripping unit operations emitted through EP No. 00144. The sources in this emission unit are regulated under 6 NYCRR Parts 200, 212 and 233. The applicable requirements depend primarily upon whether the equipment is being used to produce pharmaceutical products for research and development purposes or commercial sale, as well as whether or not the product is being made using chemical synthesis.

Emission Unit No. 0-00011 - This Emission Unit consists of Chemical Pilot Plant Miscellaneous Sources. At this time, it consists of only one emission source; a Heat Transfer Media Expansion Tank. It is regulated under applicable provisions of 6 NYCRR Part 212.

Emission Unit No. 0-00013 - This Emission Unit consists of existing pharmaceutical manufacturing processes that are vented to a regenerative thermal oxidizer (RTO) and scrubber system. The RTO / scrubber system consists of two RTOs that are used alternately or simultaneously to reduce emissions. Each RTO is equipped with a caustic scrubber and exhaust through a common exhaust stack (EP 00175). Process emissions and room air exhaust from affected sources are diverted to a rooftop header feeding the RTOs during processes which emit VOCs and HAPs. Air streams containing particulate matter pass through dedicated dust collectors and HEPA filters prior to entering the RTO header. During aqueous (non-solvent) granulation process emissions are exhausted through other emission points and not to the RTO header. This unit is regulated under 6 NYCRR Parts 200 and 212.

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:           MICHAEL J MCMURRAY  
  NYSDEC  
  PO BOX 296  
  RAY BROOK, NY 12977-0296

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



### Notification of Other State Permittee Obligations

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

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

**Facility Level**

- Submission of application for permit modification or renewal-REGION 5  
SUBOFFICE - WARRENSBURG



**DEC GENERAL CONDITIONS**

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

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

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

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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

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

**Applicable State Requirement: 6NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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



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

**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 application for permit modification or renewal-REGION 5**  
**SUBOFFICE - WARRENSBURG**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 5.1:**

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

NYSDEC Regional Permit Administrator  
Region 5 Sub-office  
Division of Environmental Permits  
232 Golf Course Road, PO Box 220  
Warrensburg, NY 12885-0220  
(518) 623-1281



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: WYETH PHARMACEUTICALS INC  
64 MAPLE ST  
ROUSES POINT, NY 12979-1424

Facility: WYETH PHARMACEUTICALS  
64 MAPLE ST  
ROUSES POINT, NY 12979

Authorized Activity By Standard Industrial Classification Code:  
2833 - MEDICINALS AND BOTANICALS  
2834 - PHARMACEUTICAL PREPARATIONS  
2835 - DIAGNOSTIC SUBSTANCES  
2836 - BIOLOGICAL PRODUCTS, EXCEPT DIAGNOSTIC  
2842 - POLISHES AND SANITATION GOODS

Mod 0 Permit Effective Date: 06/23/2008

Permit Expiration Date: 06/22/2013

Mod 2 Permit Effective Date: 04/01/2009

Permit Expiration Date: 06/22/2013

Mod 3 Permit Effective Date: 06/23/2009

Permit Expiration Date: 06/22/2013



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 202-2.1: Compliance Certification
- 7 6NYCRR 202-2.5: Recordkeeping requirements
- 8 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 9 6NYCRR 200.7: Maintenance of Equipment
- 10 6NYCRR 201-1.7: Recycling and Salvage
- 11 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 13 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 14 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 15 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 16 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 17 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 18 6NYCRR 202-1.1: Required Emissions Tests
- 19 6NYCRR 211.3: Visible Emissions Limited
- 20 40CFR 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 2-1 6NYCRR 200.6: Compliance Certification
- 3-1 6NYCRR 200.6: Compliance Certification
- 3-2 6NYCRR 200.6: Compliance Certification
- 25 6NYCRR 200.6: Compliance Certification
- 26 6NYCRR 201-6: Emission Unit Definition
- 27 6NYCRR 201-6.5(e): Compliance Certification
- 28 6NYCRR 201-6.5(f): Compliance Certification
- 29 6NYCRR 201-7: Facility Permissible Emissions
- \*3-3 6NYCRR 201-7: Capping Monitoring Condition
- \*3-4 6NYCRR 201-7: Capping Monitoring Condition
- \*3-5 6NYCRR 201-7: Capping Monitoring Condition
- \*3-6 6NYCRR 201-7: Capping Monitoring Condition
- \*3-7 6NYCRR 201-7: Capping Monitoring Condition
- \*3-8 6NYCRR 201-7: Capping Monitoring Condition
- \*32 6NYCRR 201-7: Capping Monitoring Condition
- \*34 6NYCRR 201-7: Capping Monitoring Condition
- \*36 6NYCRR 201-7: Capping Monitoring Condition
- \*37 6NYCRR 201-7: Capping Monitoring Condition
- \*40 6NYCRR 201-7: Capping Monitoring Condition
- 3-9 6NYCRR 212.4(a): Compliance Certification
- 3-10 6NYCRR 212.4(a): Compliance Certification
- 3-11 6NYCRR 212.4(a): Compliance Certification
- 3-12 6NYCRR 212.4(a): Compliance Certification
- 3-13 6NYCRR 212.4(a): Compliance Certification



- 42 6NYCRR 212.4(a): Compliance Certification
- 3-14 6NYCRR 212.4(c): Compliance Certification
- 48 6NYCRR 212.5(f): Capped sources of VOC and NOx not subject to 212.9(b) for non A-rated contaminants
- 3-15 6NYCRR 212.6(a): Compliance Certification
- 50 6NYCRR 227-1.3(a): Compliance Certification

**Emission Unit Level**

- 51 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 52 6NYCRR 201-6: Process Definition By Emission Unit

**EU=0-00001**

- 53 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 54 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.
- 55 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.
- 56 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification

**EU=0-00001,Proc=01C**

- 57 6NYCRR 227.2(b)(1): Compliance Certification
- 58 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 59 40CFR 60.48c(e), NSPS Subpart Dc: Compliance Certification

**EU=0-00002**

- 60 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications
- 61 6NYCRR 233.3(b)(2): Compliance Certification
- 62 6NYCRR 233.3(f): Compliance Certification
- 63 6NYCRR 233.5(b): Compliance Certification

**EU=0-00003,Proc=004,ES=00399**

- 64 6NYCRR 200.6: Compliance Certification

**EU=0-00003,EP=00019**

- 65 6NYCRR 212.4(a): Compliance Certification

**EU=0-00003,EP=00019,Proc=006,ES=00014**

- 66 6NYCRR 200.6: Compliance Certification

**EU=0-00008**

- 67 6NYCRR 233.3(d): Compliance Certification
- 68 6NYCRR 233.5(b): Compliance Certification
- 69 40CFR 60.116b(b), NSPS Subpart Kb: Compliance Certification

**EU=0-00009**

- 2-2 6NYCRR 200.6: Compliance Certification
- 2-6 6NYCRR 200.6: Compliance Certification
- 2-7 6NYCRR 200.6: Compliance Certification
- 2-8 6NYCRR 200.6: Compliance Certification
- 2-9 6NYCRR 200.6: Compliance Certification
- 2-10 6NYCRR 200.6: Compliance Certification
- 70 6NYCRR 201-6.5: Compliance Certification
- \*71 6NYCRR 201-7: Capping Monitoring Condition



- 2-3 6NYCRR 212.4(a): Compliance Certification
- 2-4 6NYCRR 212.4(a): Compliance Certification
- 2-5 6NYCRR 212.4(a): Compliance Certification
- 79 6NYCRR 233.3(f): Compliance Certification
- 80 6NYCRR 233.5(a): Compliance Certification
- 81 6NYCRR 233.5(b): Compliance Certification

**EU=0-00013**

- 85 6NYCRR 200.6: Compliance Certification
- 86 6NYCRR 212.6(a): Compliance Certification

**EU=0-00013,EP=00175**

- \*3-16 6NYCRR 201-7: Capping Monitoring Condition
- \*3-17 6NYCRR 201-7: Capping Monitoring Condition
- \*3-18 6NYCRR 201-7: Capping Monitoring Condition

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 90 ECL 19-0301: Contaminant List
- 91 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 92 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

**EU=0-00009**

- 2-11 6NYCRR 212.4(a): Compliance Demonstration
- 2-12 6NYCRR 212.4(a): Compliance Demonstration

**EU=0-00013,EP=00175,Proc=022**

- 3-19 6NYCRR 212.4(a): Compliance Demonstration
- 3-20 6NYCRR 212.4(a): Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Emergency Defense - 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 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 B: 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 C: 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 D: 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 E: 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 F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission 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 G: 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 H: 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 I: 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 J: 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 Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Item K: Reopening for Cause - 6 NYCRR 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 a shorter time period in the case of an emergency.

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

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



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

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

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

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

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 1.1:**

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

**Condition 2: Fees**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-6.5(a)(7)**

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**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 06/23/2008 and 06/22/2013**

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

**Condition 5: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



All required reports must be certified by the responsible official for this facility.

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

(1) For emissions of a hazardous air pollutant 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, 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 any of the above conditions 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) through (4) 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) through (4) 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 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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 6: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**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:

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 7: Recordkeeping requirements**  
Effective between the dates of 06/23/2008 and 06/22/2013

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

**Item 7.1:**

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

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 8: Open Fires Prohibited at Industrial and Commercial Sites**  
Effective between the dates of 06/23/2008 and 06/22/2013

**Applicable Federal Requirement:6NYCRR 215**

**Item 8.1:**

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

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

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 9: Maintenance of Equipment**



**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.7**

**Item 9.1:**

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

**Condition 10: Recycling and Salvage**

**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 10.1:**

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 the ECL.

**Condition 11: Prohibition of Reintroduction of Collected Contaminants to the air**

**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 11.1:**

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

**Condition 12: Exempt Sources - Proof of Eligibility**

**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 12.1:**

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 this Subpart. 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 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.

**Condition 13: Trivial Sources - Proof of Eligibility**

**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 13.1:**



The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. 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 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.

**Condition 14: Standard Requirement - Provide Information**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-6.5(a)(4)**

**Item 14.1:**

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

**Condition 15: General Condition - Right to Inspect**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-6.5(a)(8)**

**Item 15.1:**

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

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

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

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

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

**Condition 16: Standard Requirements - Progress Reports**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-6.5(d)(5)**

**Item 16.1:**

Progress reports consistent with an applicable schedule of compliance are to be submitted at



least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

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

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

**Condition 17: Off Permit Changes**

**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 17.1:**

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

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 18: Required Emissions Tests**

**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 18.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 19: Visible Emissions Limited**

**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 211.3**

**Item 19.1:**



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

**Condition 20: Accidental release provisions.**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:40CFR 68**

**Item 20.1:**

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

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

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

**Condition 21: Recycling and Emissions Reduction**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 21.1:**

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

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

**Condition 2-1: Compliance Certification**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 2-1.1:**



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

Emission Unit: 0-00009	Emission Point: 00062
Emission Unit: 0-00009	Emission Point: 00063
Emission Unit: 0-00009	Emission Point: 00073
Emission Unit: 0-00009	Emission Point: 00091
Emission Unit: 0-00009	Emission Point: 00093
Emission Unit: 0-00009	Emission Point: 00096

**Item 2-1.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To mitigate ambient impacts for contaminants listed in Appendix C, version 11-21-08, as controlled by scrubbers (ES Nos. 00325-000330), the owner or operator, for a given contaminant, shall vent no more than two of the scrubbers through the above listed non-GEP stacks at any time. Venting through non-GEP stacks is permitted only for contaminants not identified in Appendix C as restricted to the GEP stack (EP-00144) only and when there are safety concerns with combining contaminants in the GEP stack. In addition, owner or operator must comply with restrictions on simultaneous operations specified in Appendix C and in other conditions of this permit.

Compliance with these requirements shall be demonstrated through record keeping. A written record shall be maintained for each unit process controlled by scrubbers, identifying the contaminants, emission point(s) used and the date and time of each batch.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 3-1: Compliance Certification**

**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Replaces Condition(s) 24**

**Item 3-1.1:**



The Compliance Certification activity will be performed for the Facility.

**Item 3-1.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 contamination sources would contravene any applicable ambient air quality standard and/cause air pollution. In such cases where contravention occurs or may occur, the Department shall specify the degree and/or method of emission control required.

To mitigate ambient air impacts and/or provide for reasonable compliance assurance, as required by the conditions of this permit, the source owner or operator shall complete the installation and operate the following items as specified.

DUE DECEMBER 31, 2008:

- 1) Replacement of dust collector identified as ES 00003 with a new dust collector and HEPA filter.
- 2) Replacement of dust collector identified as ES 00009 with a new dust collector and HEPA filter.
- 3) Replacement of dust collector identified as ES 00011 with a new dust collector and HEPA filter.
- 4) The addition of new HEPA filters to existing dust collectors identified as ESs 00174, 00228, and 00266.
- 5) Installations of continuous monitoring, reporting, and alarming systems for HEPAs listed above and in Condition 42.

DUE AT TIME OF PERFORMANCE TEST:

- 1) Installation of continuous monitoring, reporting and alarming systems for scrubbers listed in Condition 35.

DUE MARCH 30, 2009:

- 1) Exhaust system is completely turned over to the new dust collection system.

Compliance with certification activities defined in the Title V permit for sources associated with these items shall be achieved as soon as practicable, but not later



than the due dates indicated above. The source owner shall submit progress reports consistent with these due dates and semiannually. The progress reports shall consist of dates for achieving the activities, total and in part. If any due date is not or will not be met, the progress report shall include an explanation and any preventative or corrective measures adopted.

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This compliance monitoring activity applies to the following Op-Flex modifications:

-Modification #DEC08-1 - No. 4 control requirement made effective.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 3-2: Compliance Certification**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Replaces Condition(s) 23**

**Item 3-2.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 3-2.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to prevent the potential for emissions of particulate matter less than 10 microns in diameter (PM-10) from causing contravention of the applicable National Ambient Air Quality Standards, source owner shall operate the particulate matter emission control devices noted below at all times that the associated emission source is operating. In addition, the particulate matter control devices shall be kept in a satisfactory state of maintenance and



repair in accordance with manufacturer's specifications, as required to operate such device effectively.

Control Device Emission Source ID  
No(s)/Associated Process Emission Source  
ID No(s), by Emission Unit:

EU #0-00002:  
00374/00049; 00126/00125; 00164,  
00162/00161

EU #0-00003:  
00405, 00406/00002; 00005/00004;  
00007/00006; 00407, 00408/00008; 00403,  
00404/00010; 00016, 00015/00014; 00025,  
00418/00024; 00059, 00058/00057;  
00083/00081, 00082; 00142, 00141/00140;  
00147/00146; 00166/00165; 00168/00167;  
00174, 00416/00173; 00213, 00212/00211;  
00401, 00226/00400, 00225; 00228,  
00415/00227; 00242, 00241/00240; 00248,  
00247/00246; 00264/00262, 00263, 00398,  
00399; 00266, 00417/00265;  
00314,00315/00413,00414; 00391,  
00392/00390; 00394/00393; 397,  
396/395.

EU #0-00004:  
00124, 00100/00099; 00124/00092,  
00095-00098, 00101-00108, 00111,  
00113-00123; 00377/375; 00378/376

EU #0-00005:  
00054/00053; 00130, 00402/00129;  
00156/00155; 00158/00157; 00160/00159;  
00261, 00260/00259

EU #0-00006:  
00077, 00076/00075; 00080, 00079/00078;  
00136, 00379/00134; 00139, 00380/00137;  
00145, 00144/00143; 00152, 00151/00150,  
00149, 00148; 00154/00153; 00200, 00202,  
00203, 00199/00198; 00381, 00387/00201;  
00207, 00382/00205; 00210, 00383/00208;  
00231, 00230/00229, 00365, 00366; 00236,  
00235/00234; 00239, 00238/00237; 00245,  
00244/00243; 00371, 00372/00370; 00368,  
00369/00367; 00373/00386; 00409,  
00410/00334; 00411, 00412/00313

EU #0-00013:  
M0067, M0320/M0066; M0090, M0331/M0089;



M0220, M0341/M0219; M0327, M0328/M0063,  
M0321, M0322, M0323; M0337, M0338/M0084,  
M0332, M0333, M0334; M0347, M0348/M0214,  
M0321, M0343, M0344; M0353, M0354/M0351,  
M0352, M0364; M0358, M0359/M0308, M0309,  
M0310, M0355, M0356. M0357

The frequency of maintenance on these control devices should be at least semi-annual. A written record of when the control device was maintained/repared, and what the maintenance/repair consisted of shall be kept on site and provided to NYSDEC or USEPA representative upon request.

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This compliance monitoring activity applies to the following Op-Flex modifications:

- PC 9 & 10 Modifications
- Modification #AUG08-1
- Modification #DEC08-1

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 25: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to mitigate potential ambient impacts of Benzene, the Mineral Spirits used in processes conducted at this facility shall have a Benzene content less than 0.1 percent by weight. Source owner shall maintain a



record of the Benzene content of the mineral spirits used at the facility, and update it if new or different types of minerals spirits are introduced. Benzene content may be documented through supplier certification.

Monitoring Frequency: MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 26: Emission Unit Definition**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 26.1(From Mod 3):**

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

Emission Unit: 0-00002

Emission Unit Description:

Chemical Pilot Plant production equipment exhaust system (PEES) - This Emission Unit consists of localized equipment pickups, primarily used to reduce worker exposure.

Building(s): 16  
23

**Item 26.2(From Mod 3):**

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

Emission Unit: 0-00003

Emission Unit Description:

Main Plant production equipment exhaust system (PEES) - This Emission Unit consists of localized equipment pickups, primarily used to reduce worker exposure. This unit also contains the House Vacuum system utilized to clean production area floors and equipment.

Building(s): 13  
14  
15  
18  
19  
20  
21  
25  
27  
32  
35  
3AI  
4A

**Item 26.3(From Mod 3):**



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

Emission Unit: 0-00004

Emission Unit Description:

Sources tributary to Building 27 Dust Collector (EP 00106) - This Emission Unit consists of a dust collection system that ventilates room and equipment exhausts in the solids dosage manufacturing area. All of these exhausts are routed to a common dust collector.

Building(s): 19  
27

**Item 26.4(From Mod 3):**

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

Emission Unit: 0-00005

Emission Unit Description:

Air Dryers - This Emission Unit consists of dryers and ovens utilized in the drying of pharmaceutical products.

Building(s): 13  
14  
21  
27  
32  
35

**Item 26.5(From Mod 3):**

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

Emission Unit: 0-00006

Emission Unit Description:

Tablet Coating - This Emission Unit consists of equipment utilized in the sealing, coating, and polishing of pharmaceutical tablets.

Building(s): 14  
18  
21  
25  
27  
32

**Item 26.6(From Mod 3):**

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

Emission Unit: 0-00013

Emission Unit Description:

This Emission Unit consists of existing pharmaceutical manufacturing processes which vent to a regenerative thermal oxidizer (RTO) and scrubber system. The RTO / scrubber system consists of two RTOs that are used alternately or simultaneously to reduce emissions. Each RTO is equipped with a caustic scrubber and exhaust through a common exhaust stack. Existing process emissions and room air exhaust from affected sources is



diverted to a rooftop header feeding the RTOs. Air streams containing particulate matter pass through dedicated dust collectors and HEPA filters prior to entering the RTO header.

This emission unit also includes aqueous granulation processes in PAL 4 and 7. In addition to particulate emissions from fluid bed dryers (FBDs) (EPs 00188 & 00189) fugitive emissions from other granulation activities are also captured by dedicated dust collection systems. These emissions are exhausted to the atmosphere (EPs 00190 & 00191) in aqueous mode instead of being directed to the RTO.

Building(s): 27  
35  
36A

**Item 26.7(From Mod 0):**

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

Emission Unit: 0-00001

Emission Unit Description:

Facility boilers - Emission Unit consists of four (4) steam generating boilers each with a maximum rated heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million btu per hour. Each has the capability to be fired with natural gas or No. 2 fuel oil (PR Nos. 001 and 01C). Natural gas is the primary fuel with No. 2 fuel oil as backup. Three are subject to 40 CFR 60, Subpart Dc - ES Nos. 00074, 00204 and 00333 at 73, 84.5 and 98 million Btu/hr heat input capacity, respectively. The fourth boiler (ES No. 00001) predates 40 CFR 60, Subpart Dc and has a heat input capacity of 55.9 million Btu/hr. Each of these four boilers has its own stack (EP Nos. 00100, 00149, 00172 and 00001).

Building(s): 6

**Item 26.8(From Mod 0):**

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

Emission Unit: 0-00008

Emission Unit Description:

Tank Farm - This Emission Unit consists of five (5) Chemical Bulk Storage Tanks storing one of the following chemicals: acetone; methanol; isopropanol; or toluene. This unit also contains three (3) hazardous waste tanks which store waste acetone and mixed solvents.

Building(s): TF

**Item 26.9(From Mod 2):**

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

Emission Unit: 0-00009

Emission Unit Description:



Chemical Pilot Plant process equipment sources - This Emission Unit consists of reactor series' with both atmospheric and vacuum operations, centrifuge, and tray dryers vented to 1 of 4 types of vapor condensers and/or a process scrubber. Emissions from all processes (PR ID's 017, 17B, 17C, 021 and 21B) are vented primarily through the GEP stack (EP 00144). However, process scrubbers (ES Nos. 00325-00330) may, in some instances be vented through individual non-GEP stacks (EP Nos. 00062, 00063, 00073, 00091, 00093 and 00096) provided they meet all applicable regulatory requirements while doing so. The unit also contains a new wastewater treatment system consisting of pH neutralization and steam stripping unit operations emitted through EP No. 00144.

Building(s): 23  
26  
31

**Item 26.10(From Mod 0):**

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

Emission Unit: 0-00011

Emission Unit Description:

Chemical Pilot Plant Miscellaneous Sources - This Emission Unit consists of a Heat Transfer Media Expansion Tank.

Building(s): 26

**Condition 27: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 27.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period



consistent with the monitoring and related recordkeeping and reporting requirements of this permit;

- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. 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 Quality Assurance (BQA) 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

The address for the RAPCE is as follows:

Region 5 Suboffice  
232 Golf Course Road.  
P.O. Box 220  
Warrensburg, NY 12885-0220

The address for the BQA is as follows:

NYSDEC  
Bureau of Quality Assurance



625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2008.  
Subsequent reports are due on the same day each year

**Condition 28: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

The objective of this condition is to maximize operational flexibility at the facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.5(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.7.

II. Protocol

A. Criteria

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

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

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231-2 or 40



CFR 52.21.

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

B. Notification Requirements for Changes Reviewed under the Protocol

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

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

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

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

c. Identification and description of emissions control technology;

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

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

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

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

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

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



Protocol.

C. Review and Approval of Changes

1. The Department shall respond to the permittee in writing with a determination within 15 days of receipt of the notification of the permittee.
2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under II. A above or that the changes may have a significant air quality impact or be otherwise potentially significant under SEQRA (6 NYCRR Part 617).
3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with II.A.1.a above.
2. The facility shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol and a statement of the compliance status of each. Changes reported should include all those made during the corresponding period and any earlier changes that have not yet been incorporated into the permit.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 29: Facility Permissible Emissions**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Item 29.1:**

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

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



per year	CAS No: 000075-09-2 (From Mod 3)	PTE: 19,000 pounds
	Name: DICHLOROMETHANE	
per year	CAS No: 007446-09-5 (From Mod 3)	PTE: 198,000 pounds
	Name: SULFUR DIOXIDE	
per year	CAS No: 007647-01-0 (From Mod 3)	PTE: 19,000 pounds
	Name: HYDROGEN CHLORIDE	
per year	CAS No: 0NY100-00-0 (From Mod 3)	PTE: 49,000 pounds
	Name: HAP	
per year	CAS No: 0NY210-00-0 (From Mod 3)	PTE: 198,000 pounds
	Name: OXIDES OF NITROGEN	
per year	CAS No: 0NY998-00-0 (From Mod 3)	PTE: 98,000 pounds
	Name: VOC	

**Condition 3-3: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Replaces Condition(s) 30**

**Item 3-3.1:**

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

6NYCRR 212.10  
6NYCRR 228.1  
6NYCRR 233.1(d)(4)

**Item 3-3.2:**

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

**Item 3-3.3:**

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





Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 3-4: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Replaces Condition(s) 35**

**Item 3-4.1:**

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

6NYCRR 212.10  
6NYCRR 228.1  
6NYCRR 233.1(d)(4)

**Item 3-4.2:**

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

**Item 3-4.3:**

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

**Item 3-4.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This 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 3-4.5:**

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

**Item 3-4.6:**

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



Emission Unit: 0-00006

Process: 012

Emission Source: 00152

Emission Unit: 0-00006

Process: 012

Emission Source: 00231

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 3-4.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

As part of the facility-wide plan to demonstrate compliance with the 49 ton per year VOC cap, this emission control equipment shall achieve at least 90% control efficiency of VOCs in the exhaust stream being controlled.

Scrubbers shall be used to control emissions of VOCs emitted from process equipment associated with Emission unit 00006, Process 012, EPs 00125 & 00158. To demonstrate compliance with the 90% control efficiency of VOC emissions, the owner or operator shall maintain the scrubber water (nozzle) flow rates at a minimum of 87 and 70 gpm when venting emission process sources to ESs 00152 (scrubbers A & B, respectively). The scrubber water flow rates shall be continuously monitored and recorded (at least once every 15 minutes) for the duration of the process. In addition, scrubbers shall operate in the once-through scrubber water mode when process emission sources are in operation.

Scrubber water flow rates may be revised based upon the results of intermittent testing.

Note, ES 00231 (scrubbers A & B) have been out of service and will be performance tested when restarted, in accordance with permitted intermittent testing conditions.

The scrubber water flow rates for ES 00231 will be established at performance test levels in which a minimum VOC control efficiency of 90% is demonstrated, and approved by the Department.

Parameter Monitored: FLOW RATE

Lower Permit Limit: 87/70 gallons per minute

Monitoring Frequency: CONTINUOUS

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 10/30/2009.  
Subsequent reports are due every 6 calendar month(s).

**Condition 3-5: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Replaces Condition(s) 38**

**Item 3-5.1:**

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

6NYCRR 212.10  
6NYCRR 227-2.1(a)  
6NYCRR 228.1  
6NYCRR 233.1(d)(4)  
40CFR 52-A.21(i)(2)  
40CFR 63-GGG.1250(a)

**Item 3-5.2:**

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

**Item 3-5.3:**

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

**Item 3-5.4:**

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

**Item 3-5.5:**

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

**Item 3-5.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN  
CAS No: 0NY998-00-0 VOC



CAS No: 0NY100-00-0 HAP  
 CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 3-5.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A. NO<sub>x</sub> and SO<sub>2</sub> emissions from the boilers at the facility (e.g., emission source nos. 00001, 00074, 00204 and 00333) shall be calculated as follows:

For Natural Gas Combustion -

$$\text{NO}_x \text{ (lbs/month)} = 1.575\text{E-}4 \times \text{NG}$$

$$\text{SO}_2 \text{ (lbs/month)} = 6.0\text{E-}7 \times \text{NG}$$

where: NG = natural gas burned per month, cubic feet.

For 0.5% Sulfur No. 2 Fuel Oil Combustion -

$$\text{NO}_x \text{ (lbs/month)} = 2.0\text{E-}7 \times \text{BTU} \times \text{FO}$$

$$\text{SO}_2 \text{ (lbs/month)} = 0.02 \times \text{WPS} \times \text{FO} \times \text{D}$$

where: FO = no. 2 fuel oil burned per month, gallons;

BTU = heat content of the no. 2 fuel oil burned

that month, BTU/gallon;

WPS = percent by weight of sulfur in the no. 2

oil burned that month,

percent; and

D = the density of the no. 2 oil burned that

month, lbs/gallon.

The values used for BTU, WPS and D shall be 140,600

BTU/gallon, 0.5% and 7.18 lbs/gallon, respectively,

unless the source owner can support the use of different values with sufficient documentation

(e.g., certified laboratory analysis of samples of fuel taken during the month).

B. Emissions of NO<sub>x</sub> and SO<sub>2</sub> from the Regenerative Thermal Oxidizer/Caustic Scrubber control system (RTO/Scrubber, EU No. 000013) shall be calculated as follows:



$$\text{NO}_x \text{ (lbs/month)} = 1.428\text{E-}4 \times \text{NG}$$
$$\text{SO}_2 \text{ (lbs/month)} = 6.0\text{E-}7 \times \text{NG}$$

where: NG = natural gas burned per month, cubic feet.

C. Emissions of VOC, HAP (speciated and combined), NO<sub>x</sub> and/or SO<sub>2</sub> from process sources shall be calculated on a batch by batch basis (except for NO<sub>x</sub> and SO<sub>2</sub> from RTO/Scrubber system as specified above), when possible, and totaled monthly. Emissions from processes/operations that do not lend themselves to batchwise calculations shall be quantified to the extent practicable and included in the above monthly totals. Emissions from all processes/operations emitting VOC, HAP, NO<sub>x</sub> and/or SO<sub>2</sub>, including those that are not subject to permitting requirements, shall be incorporated into these totals. Emission factors used in these calculations are subject to the approval of the NYSDEC.

D. Methylene Chloride emissions (HAP's) from Emission Unit 00013 process sources shall be calculated using the lesser of the control requirements (yielding the higher emissions) as specified in permit conditions.

E. Methanol emissions from Emission Unit 00013 process sources are not subject to any control requirements. Therefore, emission calculations which include methanol in part (VOC's & HAP's), or in total from these sources shall not claim control efficiency for methanol in the exhaust streams.

For sources using air pollution control equipment to maintain emissions below their respective limits, source owner may be required to submit an acceptable report of measured emissions and/or control efficiency within a stated time per 6 NYCRR Subpart 202-1.

Source owner shall maintain written records of the VOC, HAP (speciated and combined), NO<sub>x</sub> and SO<sub>2</sub> emitted monthly. These records should consist of:

- 1) the number and type of batches run for the month;
- 2) the date(s) the batches were run;
- 3) the pounds of VOC and/or HAP (speciated and combined) used for each batch;
- 4) the number of pounds of VOC, HAP (speciated and combined), NO<sub>x</sub> and/or SO<sub>2</sub> emissions resulting from the



processing of the batches;

5) the number of pounds of VOC, HAP (speciated and combined), NO<sub>x</sub> and/or SO<sub>2</sub> emitted from processes/operations which were not calculated on a batchwise basis;

6) the cubic feet of natural gas burned in the boilers for the month;

7) the cubic feet of natural gas burned in the RTO/Scrubber system for the month;

8) the number of gallons of No. 2 fuel oil burned in the boilers for the month;

9) the heat content of the No. 2 fuel oil burned in the boilers for the month (BTU/gallon);

10) the weight percent of sulfur in the No. 2 fuel oil burned in the boilers for the month;

11) the density of the No. 2 fuel oil burned in the boilers for the month (lbs/gallon);

12) how the VOC, HAP (speciated and combined), NO<sub>x</sub> and SO<sub>2</sub> emissions were calculated (for batchwise and other processes/operations);

13) the number of tons of VOC, HAP (speciated and combined), NO<sub>x</sub> and SO<sub>2</sub> emitted from all processes/operations at the facility for the month; and

14) a running twelve month total for VOC, HAP (speciated and combined), NO<sub>x</sub> and SO<sub>2</sub> emissions from all processes/operations at this facility (in tons/year).

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 3-6: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Replaces Condition(s) 31**

**Item 3-6.1:**

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



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

40CFR 63-GGG.1250(a)

**Item 3-6.2:**

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

**Item 3-6.3:**

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

**Item 3-6.4:**

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

**Item 3-6.5:**

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

**Item 3-6.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 3-6.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

To assure compliance with the 98% control efficiency requirement for Hydrogen Chloride emissions from Emission unit 000013, Process 022, the scrubbing solution flow rate shall be at least 571 gpm.

Scrubbing solution flow rate shall be monitored at least once every 15 minutes while controlling contaminant emissions, using a paddle wheel type monitoring device and the result recorded. The monitoring device used for this measurement shall be calibrated annually and shall be certified by the manufacturer to be accurate within plus



or minus 10 percent of the design scrubber liquid flow rate.

The minimum flow rate may need to be revised based upon the results of performance testing.

This parametric monitoring activity also demonstrates compliance with control requirements specified in 6NYCRR 212.9 (a), Table 2.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 571 gallons per minute

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 4-HOUR AVERAGE ( ARITHMETIC MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 3-7: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Replaces Condition(s) 39**

**Item 3-7.1:**

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

40CFR 63-GGG.1250(a)

**Item 3-7.2:**

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

**Item 3-7.3:**

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

**Item 3-7.4:**

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



**Item 3-7.5:**

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

**Item 3-7.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 3-7.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

To assure compliance with the 98% control efficiency requirement for Hydrogen Chloride emissions from Emission unit 000013, Process 022, the pH of the scrubbing solution shall be a minimum of 6.0 while controlling contaminant emissions.

The pH of the scrubbing solution shall be monitored at least once every 15 minutes while controlling contaminant emissions, using a digital pH controller and record the result. All instrumentation shall be calibrated and maintained at least annually, and operated according to manufacturer's recommendations.

Minimum pH level may need to be revised based upon results of performance testing.

This parametric monitoring activity also demonstrates compliance with control requirements specified in 6NYCRR 212.9 (a), Table 2.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Permit Limit: 6.0 pH (STANDARD) units

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 3-8: Capping Monitoring Condition**

**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**



**Replaces Condition(s) 33**

**Item 3-8.1:**

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

- 6NYCRR 212.10
- 6NYCRR 228.1
- 6NYCRR 233.1(d)(4)
- 40CFR 63-GGG.1250(a)

**Item 3-8.2:**

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

**Item 3-8.3:**

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

**Item 3-8.4:**

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

**Item 3-8.5:**

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

**Item 3-8.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):	
CAS No: 000075-09-2	DICHLOROMETHANE
CAS No: 0NY100-00-0	HAP
CAS No: 0NY998-00-0	VOC

**Item 3-8.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

To assure compliance with the 99% control efficiency requirements for VOC's and HAP's (excluding Methanol - CAS



no. 00067-56-1) from processes covered under emission unit 000013, the minimum temperature of the gases exiting the combustion chamber of the Regenerative Thermal Oxidizer (i.e., RTO combustion temperature), while controlling contaminant emissions, shall be 1500 degrees F.

The RTO combustion temperature shall be monitored and recorded at least once every 15 minutes. The temperature monitoring device must be calibrated annually and must be accurate to within plus or minus 0.75 percent of the temperature measured in degrees Celsius or plus or minus 2.5 degrees Celsius, whichever is greater.

The minimum RTO combustion temperature may need to be revised based upon the results of required performance testing.

This parametric monitoring activity also indicates compliance with control requirements specified in 6NYCRR 212.9 (a), Table 2.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1500 degrees Fahrenheit

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 32: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Item 32.1:**

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

40CFR 52-A.21(i)(2)

**Item 32.2:**

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

**Item 32.3:**

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



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

**Item 32.4:**

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

**Item 32.5:**

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

**Item 32.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 32.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility wide SO<sub>2</sub> emissions are limited to no more than 99 tons (198,000 pounds) during any consecutive 12 month period. Source owner shall maintain a written record of the SO<sub>2</sub> emitted monthly, as well as each consecutive 12 month total. Emissions from all sources emitting SO<sub>2</sub>, including those that are not subject to permitting requirements, shall be incorporated into these totals.

All records required to document compliance with the facility-wide SO<sub>2</sub> emissions cap shall be maintained on-site for a period of at least five (5) years and made available to NYSDEC representatives upon request.

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 10/30/2008.

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

**Condition 34:      Capping Monitoring Condition**

**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**



**Item 34.1:**

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

- 6NYCRR 212.10
- 6NYCRR 227-2.1(a)
- 6NYCRR 228.1
- 6NYCRR 233.1(d)(4)
- 40CFR 52-A.21(i)(2)
- 40CFR 63-GGG.1250(a)

**Item 34.2:**

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

**Item 34.3:**

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

**Item 34.4:**

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

**Item 34.5:**

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

**Item 34.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

- |                     |                    |
|---------------------|--------------------|
| CAS No: 0NY210-00-0 | OXIDES OF NITROGEN |
| CAS No: 0NY998-00-0 | VOC                |
| CAS No: 0NY100-00-0 | HAP                |
| CAS No: 007446-09-5 | SULFUR DIOXIDE     |

**Item 34.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On an annual basis, the responsible official shall



provide a certification to NYSDEC that the facility has operated all emission units within the limits imposed by the emissions caps. This certification shall include the following information for each of the 12 consecutive months of the reporting period:

- 1) Facility-wide VOC emissions, in tons per month;
- 2) Facility-wide HAP (speciated and combined) emissions, in tons per month;
- 3) Facility-wide NOx emissions, in tons per month;
- 4) Facility-wide SO2 emissions, in tons per month;
- 5) The rolling annual total VOC emissions, in tons per year;
- 6) The rolling annual total HAP (speciated and combined) emissions, in tons per year;
- 7) The rolling annual total NOx emissions, in tons per year;
- 8) The rolling annual total SO2 emissions, in tons per year; and
- 9) A comparison of the annual totals above to their respective annual limits.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 36: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Item 36.1:**

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

6NYCRR 227-2.1(a)



**Item 36.2:**

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

**Item 36.3:**

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

**Item 36.4:**

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

**Item 36.5:**

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

**Item 36.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 36.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide NO<sub>x</sub> emissions are limited to no more than 99 tons (198,000 pounds) during any consecutive 12 month period. This caps NO<sub>x</sub> emission sources out of Reasonably Available Control Technology (RACT) requirements contained in Subpart 227-2 and Part 212 of 6 NYCRR.

Source owner shall maintain written records of the NO<sub>x</sub> emitted monthly, as well as each consecutive twelve month total. Emissions from all sources emitting NO<sub>x</sub>, including those that are not subject to permitting requirements, shall be incorporated into these totals.

All records required to document compliance with the facility-wide NO<sub>x</sub> emissions cap shall be maintained on-site for a period of at least five (5) years and made available to NYSDEC representatives upon request.



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 10/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 37: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Item 37.1:**

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

6NYCRR 212.10  
6NYCRR 228.1  
6NYCRR 233.1(d)(4)

**Item 37.2:**

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

**Item 37.3:**

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

**Item 37.4:**

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

**Item 37.5:**

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

**Item 37.6:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 37.7:**



Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide VOC emissions are limited to no more than 49 tons (98,000 pounds) during any consecutive 12 month period. This caps VOC emission sources out of Reasonably Available Control Technology (RACT) requirements contained in Part 212 of 6 NYCRR, as well as those portions of Part 233 of 6 NYCRR that are triggered by the 50 ton per year potential to emit threshold for VOC. Since there are no sources at the facility that are subject to Table 1, in 6 NYCRR 228, this also caps the facility out of the RACT requirements contained in that regulation.

Source owner shall maintain a written record of the VOC's emitted monthly, as well as each consecutive twelve month total. Emissions from all sources emitting VOC, including those that are not subject to permitting requirements but excluding those from combustion installations, shall be incorporated into these totals.

All records required to document compliance with the facility-wide VOC emissions cap shall be maintained on-site for a period of at least five (5) years and made available to NYSDEC representatives upon request.

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 10/30/2008.

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

**Condition 40: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Item 40.1:**

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

40CFR 63-GGG.1250(a)

**Item 40.2:**

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

**Item 40.3:**



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

**Item 40.4:**

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

**Item 40.5:**

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

**Item 40.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000075-09-2	DICHLOROMETHANE
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 0NY100-00-0	HAP
CAS No: 000067-56-1	METHYL ALCOHOL

**Item 40.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of Hazardous Air Pollutants (HAP) are limited to no more than 24.5 tons (49,000 pounds) for combined HAP and 9.5 tons (19,000 pounds) for any single HAP for any consecutive 12 month period. This caps the facility below major source thresholds for these contaminants.

Source owner shall maintain a written record of the HAP's (speciated and combined) emitted monthly, as well as each consecutive twelve (12) month total. Emissions from all sources emitting HAP, including those that are not subject to permitting requirements shall be incorporated into these totals.

All records required to document compliance with the facility-wide HAP emissions caps shall be maintained on-site for a period of at least five (5) years and made available to NYSDEC and/or USEPA representatives upon request.



Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 3-9: Compliance Certification**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

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

**Replaces Condition(s) 46**

**Item 3-9.1:**

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

Emission Unit: 0-00002	Emission Point: 00179
Emission Unit: 0-00003	Emission Point: 00167
Emission Unit: 0-00004	Emission Point: 00106

**Item 3-9.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

These emission points may emit "active" pharmaceutical ingredients (APIs), which is given an environmental rating of "A" per 6NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6NYCRR 212.9(a) Table 2.

To demonstrate compliance with control efficiencies specified in this permit for dust collectors (without HEPAs) used to control APIs, the owner and/or operator shall not cause or allow emissions having an average opacity during any six consecutive minutes of greater than 0 percent from these emission points. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The source owner or operator will conduct and record observations of visible emissions daily from the emission unit, process, etc. to which this condition applies while the process is in operation. The permittee will immediately investigate any instance where visible emissions are observed. The source owner shall determine the cause, make the necessary correction, and verify that



the excess visible emissions problem has been corrected before processes emitting APIs are resumed.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department. Monitoring Reports shall include a summary of these instances.

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This compliance monitoring activity applies to the following Op-Flex modifications:

-Modification #AUG08-1

-Modification #DEC08-1

Parameter Monitored: VISIBLE EMISSIONS

Upper Permit Limit: 0 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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 10/30/2009.

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

**Condition 3-10: Compliance Certification**

**Effective between the dates of 06/23/2009 and 06/22/2013**

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

**Replaces Condition(s) 44**

**Item 3-10.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00003  
Process: 006

Emission Point: 00167  
Emission Source: 00264

Emission Unit: 0-00004  
Process: 007

Emission Point: 00106  
Emission Source: 00124

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 3-10.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

These emission control sources may emit "active" pharmaceutical ingredients (APIs), which is given an environmental rating of "A" per 6NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6NYCRR 212.9(a) Table 2. Based on the facility's estimated emission rate potentials (ERPs), and mass emission rates used in the approved air dispersion modeling, these emission control sources shall achieve a minimum particulate control efficiency of 99.9%.

Per 6NYCRR, Subpart 202-1, in order to determine compliance or noncompliance with this emission limit, the source owner is required to submit an acceptable report of measured emissions within 90-days of this renewal for emission control device no. 00124. Since emission control device nos. 00264 and 00124 are similar, compliance with this condition for control device no. 00264, and any additional testing, will be at the Department's discretion.

After testing, if compliance with this limit can not be determined because of USEPA Method 5 detection levels, the source owner or operator shall demonstrate compliance with this limit to the satisfaction of the Department through other methods (e.g., manufacturer's emission guarantee specific to this installation and operation, permit modifications based on detection level results, or etc.) within 90-days of the original report date.

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This compliance monitoring activity applies to the following Op-Flex modifications:

-Modification #AUG08-1

Lower Permit Limit: 99.9 percent reduction

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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



**Condition 3-11: Compliance Certification**

**Effective between the dates of 06/23/2009 and 06/22/2013**

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

**Replaces Condition(s) 45**

**Item 3-11.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 3-11.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emission controls/sources listed below may emit "active" pharmaceutical ingredients (APIs), which is given an environmental rating of "A" per 6NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6NYCRR 212.9(a) Table 2. Part 212 applicability has been determined for these sources based on the facility's estimated emission rate potentials (ERP), and mass emission rates (including contributions from exempt activities) as represented and used in the approved air dispersion modeling to determine impacts from specific APIs.

The owner or operator shall not emit APIs from any other sources than those listed below, or in excess of mass emission rates (including exempt activities) used in the approved air dispersion model, without first obtaining approval from the Department. This approval may require a permit modification. Also, a permit modification is required before new contaminants (APIs) are emitted from production activities.

Dust Collectors plus HEPAs and HEPAs only:

EU #0-00002: 00126/00125;  
00164/00163

EU #0-00003: 00016, 00015/00014;  
00166/00165; 00174, 00416/00173; 00226,  
00401/00225; 00228, 00415/00227; 00242,  
00241/00240; 00248, 00247/00246; 00266,  
00417/00265; 00314, 00315/00413, 00414;



00391, 00392/00390; 00394/00393; 00403,  
00404/00010; 00405, 00406/00002; 00407,  
00408/00008  
EU #0-00004: 00377/00375;  
00378/00376  
EU #0-00005: 00130, 00402/00129; 00261,  
00260/00259  
EU #0-00006: 00236, 00235/00234; 00239,  
00238/00237; 00245, 00244/00243; 00409,  
00410/00334; 00411, 00412/00313  
EU #0-00013: M0090, M0331/M0089; M0220,  
M0341/M0219; M0338, M0337/M332, M0333,  
M0334; M0348, M0347/M0342, M0343, M0344

Dust Collectors Only:

EU # 0-00002: 00374/00049  
EU # 0-00003: 00264/00262, 00263,  
00399  
EU # 0-00004: 00124/00095, 00096, 00102,  
00107, 00108, 00115,  
00116

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This compliance monitoring activity  
applies to the following Op-Flex  
modifications:

- PC 9 & 10 Modifications
- Modification #AUG08-1
- Modification #DEC08-1

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2009.  
Subsequent reports are due every 6 calendar month(s).

**Condition 3-12: Compliance Certification**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

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

**Replaces Condition(s) 43**

**Item 3-12.1:**



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

Emission Unit: 0-00002 Process: 003	Emission Source: 00126
Emission Unit: 0-00002 Process: 003	Emission Source: 00164
Emission Unit: 0-00003 Process: 004	Emission Source: 00242
Emission Unit: 0-00003 Process: 004	Emission Source: 00248
Emission Unit: 0-00003 Process: 005	Emission Source: 00406
Emission Unit: 0-00003 Process: 005	Emission Source: 00408
Emission Unit: 0-00003 Process: 006	Emission Source: 00166
Emission Unit: 0-00003 Process: 006	Emission Source: 00392
Emission Unit: 0-00003 Process: 006	Emission Source: 00394
Emission Unit: 0-00003 Process: 006	Emission Source: 00401
Emission Unit: 0-00003 Process: 006	Emission Source: 00404
Emission Unit: 0-00004 Process: 007	Emission Source: 00377
Emission Unit: 0-00004 Process: 007	Emission Source: 00378
Emission Unit: 0-00005 Process: 009	Emission Source: 00130
Emission Unit: 0-00005 Process: 009	Emission Source: 00261
Emission Unit: 0-00006 Process: 011	Emission Source: 00236
Emission Unit: 0-00006 Process: 011	Emission Source: 00239



Emission Unit: 0-00006 Process: 011	Emission Source: 00245
Emission Unit: 0-00003 Process: 006	Emission Source: 00016
Emission Unit: 0-00013 Process: 023	Emission Source: M0090
Emission Unit: 0-00013 Process: 023	Emission Source: M0220
Emission Unit: 0-00013 Process: 023	Emission Source: M0338
Emission Unit: 0-00013 Process: 023	Emission Source: M0348
Emission Unit: 0-00003 Process: 004	Emission Source: 00315
Emission Unit: 0-00006 Process: 011	Emission Source: 00410
Emission Unit: 0-00006 Process: 011	Emission Source: 00412
Emission Unit: 0-00003 Process: 005	Emission Source: 00415
Emission Unit: 0-00003 Process: 005	Emission Source: 00416
Emission Unit: 0-00003 Process: 005	Emission Source: 00417

**Item 3-12.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The emissions sources listed below (control source id/emission source id.) may emit "active" pharmaceutical ingredients (APIs), which is given an environmental rating of "A" per 6NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6NYCRR 212.9(a) Table 2. Based on the facility's estimated emission rate potentials (ERPs), and mass emission rates used in the approved air dispersion modeling, BACT for these sources is considered HEPA filters achieving 99.97%, or greater, and in some



cases preceded by dust collectors as noted below. Since these sources vent through HEPA filters, emissions are below the detection level of Method 5 testing used to measure total solid particulate emissions. Therefore, compliance shall be demonstrated through proper operation and maintenance. The source owner or operator when demonstrating compliance with BACT for these sources shall use only HEPA filters certified in accordance with this condition. All records necessary to demonstrate compliance with this condition must be maintained to the satisfaction of the Department. HEPA certification shall include:

- (1) HEPA filter model number.
- (2) A statement from the manufacturer that the HEPA control efficiency is 99.97% or greater at .3 micron or greater based on DOP Challenge test, or equivalent .
- (3) A recommended maximum pressure drop across the filter.

HEPA supplier certification shall be provided to NYSDEC or USEPA representative upon request.

EU #0-00002: 00126/00125; 00164/00163  
EU #0-00003: 00016, 00015/00014; 00166/00165; 00174,  
00416/00173; 00226, 00401/00225; 00228, 00415/00227;  
00266, 00417/00265; 00242, 00241/00240; 00248,  
00247/00246; 00314, 00315/00413, 00414; 00391,  
00392/00390; 00394/00393; 00403, 00404/00010; 00405,  
00406/00002; 00407, 00408/00008  
EU #0-00004: 00377/00375; 00378/00376  
EU #0-00005: 00130, 00402/00129; 00261, 00260/00259  
EU #0-00006: 00236, 00235/00234; 00239, 00238/00237;  
00245, 00244/00243; 00409, 00410/00334; 00411,  
00412/00313  
EU #0-00013: M0090, M0331/M0089; M0220, M0341/M0219;  
M0338, M0337/M332, M0333, M0334; M0348, M0347/M0342,  
M0343, M0344

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This compliance monitoring activity applies to the following Op-Flex modifications:

- PC 9 & 10 Modifications
- Modification #AUG08-1
- Modification #DEC08-1



Parameter Monitored: MANUFACTURER'S CERTIFICATION  
Lower Permit Limit: 99.97 percent reduction  
Reference Test Method: DOP Challenge, or equivalent  
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE  
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 10/30/2009.  
Subsequent reports are due every 6 calendar month(s).

**Condition 3-13: Compliance Certification**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

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

**Replaces Condition(s) 41**

**Item 3-13.1:**

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

Emission Unit: 0-00002 Process: 003	Emission Source: 00126
Emission Unit: 0-00002 Process: 003	Emission Source: 00164
Emission Unit: 0-00003 Process: 004	Emission Source: 00242
Emission Unit: 0-00003 Process: 004	Emission Source: 00248
Emission Unit: 0-00003 Process: 005	Emission Source: 00406
Emission Unit: 0-00003 Process: 005	Emission Source: 00408
Emission Unit: 0-00003 Process: 006	Emission Source: 00016
Emission Unit: 0-00003 Process: 006	Emission Source: 00166
Emission Unit: 0-00003 Process: 006	Emission Source: 00392
Emission Unit: 0-00003 Process: 006	Emission Source: 00394



Emission Unit: 0-00003 Process: 006	Emission Source: 00401
Emission Unit: 0-00003 Process: 006	Emission Source: 00404
Emission Unit: 0-00004 Process: 007	Emission Source: 00377
Emission Unit: 0-00004 Process: 007	Emission Source: 00378
Emission Unit: 0-00005 Process: 009	Emission Source: 00130
Emission Unit: 0-00005 Process: 009	Emission Source: 00261
Emission Unit: 0-00006 Process: 011	Emission Source: 00236
Emission Unit: 0-00006 Process: 011	Emission Source: 00239
Emission Unit: 0-00006 Process: 011	Emission Source: 00245
Emission Unit: 0-00013 Process: 023	Emission Source: M0090
Emission Unit: 0-00013 Process: 023	Emission Source: M0220
Emission Unit: 0-00013 Process: 023	Emission Source: M0338
Emission Unit: 0-00013 Process: 023	Emission Source: M0348
Emission Unit: 0-00003 Process: 004	Emission Source: 00315
Emission Unit: 0-00006 Process: 011	Emission Source: 00410
Emission Unit: 0-00006 Process: 011	Emission Source: 00412
Emission Unit: 0-00003 Process: 005	Emission Source: 00415
Emission Unit: 0-00003 Process: 005	Emission Source: 00416



Emission Unit: 0-00003

Process: 005

Emission Source: 00417

**Item 3-13.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emissions sources listed below (control source id/emission source id.) may emit "active" pharmaceutical ingredients (APIs), which is given an environmental rating of "A" per 6NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6NYCRR 212.9(a) Table 2. Based on the facility's estimated emission rate potentials (ERPs), and mass emission rates used in the approved air dispersion modeling, BACT for these sources is considered HEPA filters achieving 99.97%, or greater, and in some cases preceded by dust collectors as noted below. Since these sources vent through HEPA filters, emissions are below the detection level of Method 5 testing used to measure total solid particulate emissions. Therefore, compliance shall be demonstrated through proper operation and maintenance. The source owner or operator when demonstrating compliance with BACT for these source, shall operate these control devices in accordance with the manufacturer's recommended pressure drop across the HEPA filter. Pressure drop shall be continuously monitored and recorded at the start and end of each batch and every eight hours at minimum. The source owner or operator shall report any excursion from the manufacturer's recommended pressure drop or any instance a filter failure is determined. In addition, monitoring reports shall specify the manufacturer's recommended pressure drop across the HEPA filter for each control device.

EU #0-00002: 00126/00125; 00164/00163

EU #0-00003: 00016, 00015/00014; 00174, 00416;

00166/00165; 00226, 00401/00225; 00228, 00415/00227;

00242, 00241/00240; 00248, 00247/00246; 00314, 00266,

00417; 00315/00413,00414; 00391, 00392/00390; 00394/00393;

00403, 00404/00010; 00405, 00406/00002; 00407,

00408/00008

EU #0-00004: 00377/00375; 00378/00376

EU #0-00005: 00130, 00402/00129; 00261, 00260/00259

EU #0-00006: 00236, 00235/00234; 00239, 00238/00237;

00245, 00244/00243; 00409, 00410/00334; 00411,

00412/00313

EU #0-00013: M0090, M0331/M0089; M0220, M0341/M0219;

M0338, M0337/M332, M0333, M0334; M0348, M0347/M0342,

M0343, M0344



A record of monitoring shall be kept on site and provided to NYSDEC or USEPA representative upon request.

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This compliance monitoring activity applies to the following Op-Flex modifications:

-PC 9 & 10 Modifications

-Modification #AUG08-1

-Modification #DEC08-1

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 42: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 42.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00002

Emission Point: 00179

Process: 003

Emission Source: 00374

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission control source may emit "active" pharmaceutical matter, which is given an environmental rating of "A" per 6NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6NYCRR 212.9(a) Table 2. Based on the facility's estimated emission rate potentials (ERPs), and mass emission rates used in the approved air dispersion modeling, this emission control source shall achieve a minimum particulate control efficiency of



99.99%.

Per 6NYCRR, Subpart 202-1, in order to determine compliance or noncompliance with this emission limit, the source owner is required to submit an acceptable report of measured emissions at the Department's discretion. Since emissions from this control device are reported at levels well below USEPA Method 5's method detection level (MDL), testing shall be conducted when an appropriate testing method becomes available, or if emissions are expected to be near or at the USEPA Method 5 MDL. The source owner or operator shall certify semiannually as to the status of available test methods and any increases in emission rate.

Lower Permit Limit: 99.99 percent reduction

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 3-14: Compliance Certification**

**Effective between the dates of 06/23/2009 and 06/22/2013**

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

**Replaces Condition(s) 47**

**Item 3-14.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00002

Emission Unit: 0-00003

Emission Unit: 0-00004

Emission Unit: 0-00005

Emission Unit: 0-00006

Emission Unit: 0-00013

**Item 3-14.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

These Emission Units include emission points which may emit solid particulates with an environmental rating of B or C. Emission from these emission points are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis:

Per 6 NYCRR 202-1, for the purpose of ascertaining compliance or non-compliance with this limit, source owner may be required to submit an acceptable report of measured emissions within a stated time.

The permittee will conduct semiannual compliance verifications. These verifications include review of pertinent information relating to particulate emissions of the source, including but not limited to production rate, process material, air flow rate, control equipment parameters, visible emissions, etc. The permittee will confirm that during source operation all pertinent parameters (whether used to directly calculate particulate emission rate, or as surrogates) are within ranges that ensure compliance with the particulate emission rate.

Additionally, the permittee will investigate, in a timely manner, any instance where there is cause to believe that particulate emissions above 0.050 gr/dscf are occurring or have occurred. These instances include but are not limited to process upsets, control device malfunctions or problems, abnormal visible emissions, complaints, etc. The permittee shall determine the cause of any exceedance, make the necessary correction, and verify that the excess emissions problem has been corrected.

Records of these verifications, investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

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This compliance monitoring activity applies to the following Op-Flex modifications:

-PC 9 & 10 Modifications



-Modification #AUG08-1

-Modification #DEC08-1

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 48: Capped sources of VOC and NOx not subject to 212.9(b) for  
non A-rated contaminants  
Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 212.5(f)**

**Item 48.1:**

Owners and/or operators of facilities which have limited the facility's annual potential to emit nitrogen oxides or volatile organic compounds below applicability levels through federally and state enforceable special conditions in permits to construct and/or operate under the provisions of 6 NYCRR Part 212.10(d) must maintain annual actual emissions below these limitations. Nitrogen oxide and volatile organic compound emission points at these facilities are not subject to the control requirements in 6 NYCRR Part 212.9(b) if the emissions are not given an A rating.

**Condition 3-15: Compliance Certification  
Effective between the dates of 06/23/2009 and 06/22/2013**

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

**Replaces Condition(s) 49**

**Item 3-15.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00002

Emission Unit: 0-00003

Emission Unit: 0-00004

Emission Unit: 0-00005

Emission Unit: 0-00006

Emission Unit: 0-00013

**Item 3-15.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



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

The permittee will conduct and record observations of visible emissions from the emission unit, process, etc. to which this condition applies on a weekly basis. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal continue to be present after corrections are made, the permittee will immediately notify the Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department. Semiannual Monitoring reports and Annual Compliance certifications required of all permittees subject to Title V must include a summary of these instances.

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This compliance monitoring activity applies to the following Op-Flex modifications:

- PC 9 & 10 Modifications
- Modification #AUG08-1
- Modification #DEC08-1

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 9  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 50: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 50.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 50.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block 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.

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

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - weather condition
  - was a plume observed?

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

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then the Method 9 analysis (based upon a 6-minute mean) of the



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

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

Parameter Monitored: OPACITY  
Upper Permit Limit: 27 percent  
Reference Test Method: METHOD 9  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2008.  
Subsequent reports are due every 6 calendar month(s).

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

**Condition 51: Emission Point Definition By Emission Unit  
Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 51.1(From Mod 3):**

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

Emission Unit: 0-00002

Emission Point: 00179

Height (ft.): 58

Diameter (in.): 20

NYTMN (km.): 4982.954 NYTME (km.): 628.269 Building: 23

**Item 51.2(From Mod 3):**

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



Emission Unit: 0-00003

Emission Point: 00143

Height (ft.): 44 Diameter (in.): 4  
 NYTMN (km.): 4982.926 NYTME (km.): 628.456 Building: 27

Emission Point: 00157

Height (ft.): 48 Diameter (in.): 4  
 NYTMN (km.): 4983.073 NYTME (km.): 628.459 Building: 35

Emission Point: 00167

Height (ft.): 48 Length (in.): 48 Width (in.): 72  
 NYTMN (km.): 4983.066 NYTME (km.): 628.646 Building: 21

Emission Point: 00168

Height (ft.): 48 Diameter (in.): 4  
 NYTMN (km.): 4983.075 NYTME (km.): 628.646 Building: 21

Emission Point: 00174

Height (ft.): 48 Diameter (in.): 8  
 NYTMN (km.): 4983.147 NYTME (km.): 628.627 Building: 21

**Item 51.3(From Mod 3):**

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

Emission Unit: 0-00004

Emission Point: 00106

Height (ft.): 48 Diameter (in.): 72  
 NYTMN (km.): 4982.991 NYTME (km.): 628.455 Building: 27

**Item 51.4(From Mod 3):**

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

Emission Unit: 0-00006

Emission Point: 00195

Height (ft.): 48 Diameter (in.): 14  
 Building: 21

Emission Point: 00196

Height (ft.): 48 Diameter (in.): 14  
 Building: 21

**Item 51.5(From Mod 3):**

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

Emission Unit: 0-00013

Emission Point: 00175

Height (ft.): 100 Diameter (in.): 66  
 NYTMN (km.): 4982.963 NYTME (km.): 628.36 Building: 36A

**Item 51.6(From Mod 0):**

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

Emission Unit: 0-00001

Emission Point: 00001

Height (ft.): 55 Diameter (in.): 36  
 NYTMN (km.): 4982.951 NYTME (km.): 628.594 Building: 6

Emission Point: 00100

Height (ft.): 75 Diameter (in.): 48  
 NYTMN (km.): 4982.964 NYTME (km.): 628.57 Building: 6

Emission Point: 00149

Height (ft.): 75 Diameter (in.): 60  
 NYTMN (km.): 4982.943 NYTME (km.): 628.574 Building: 6

Emission Point: 00172

Height (ft.): 75 Diameter (in.): 60  
 NYTMN (km.): 4982.95 NYTME (km.): 628.559 Building: 6

**Item 51.7(From Mod 0):**

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

Emission Unit: 0-00002

Emission Point: 00033

Height (ft.): 43 Diameter (in.): 36  
 NYTMN (km.): 4982.883 NYTME (km.): 628.255 Building: 16

Emission Point: 00072

Height (ft.): 37 Length (in.): 48 Width (in.): 72  
 NYTMN (km.): 4982.955 NYTME (km.): 628.277 Building: 23

Emission Point: 00110

Height (ft.): 46 Length (in.): 40 Width (in.): 44  
 NYTMN (km.): 4982.91 NYTME (km.): 628.28 Building: 23

Emission Point: 00132

Height (ft.): 41 Length (in.): 11 Width (in.): 16  
 NYTMN (km.): 4982.891 NYTME (km.): 628.258 Building: 23

**Item 51.8(From Mod 0):**

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

Emission Unit: 0-00003

Emission Point: 00014

Height (ft.): 29 Diameter (in.): 8  
 NYTMN (km.): 4982.946 NYTME (km.): 628.733 Building: 4A

Emission Point: 00015

Height (ft.): 29 Diameter (in.): 20



	NYTMN (km.): 4982.946	NYTME (km.): 628.742	Building: 4A
Emission Point:	00019		
	Height (ft.): 29	Diameter (in.): 36	
	NYTMN (km.): 4983.033	NYTME (km.): 628.535	Building: 13
Emission Point:	00024		
	Height (ft.): 22	Diameter (in.): 6	
	NYTMN (km.): 4983.043	NYTME (km.): 628.697	Building: 15
Emission Point:	00031		
	Height (ft.): 41	Diameter (in.): 6	
	NYTMN (km.): 4983.083	NYTME (km.): 628.606	Building: 21
Emission Point:	00082		
	Height (ft.): 38	Diameter (in.): 16	
	NYTMN (km.): 4982.982	NYTME (km.): 628.479	Building: 18
Emission Point:	00120		
	Height (ft.): 48	Diameter (in.): 10	
	NYTMN (km.): 4982.931	NYTME (km.): 628.456	Building: 27
Emission Point:	00124		
	Height (ft.): 50	Diameter (in.): 12	
	NYTMN (km.): 4982.912	NYTME (km.): 628.443	Building: 32
Emission Point:	00138		
	Height (ft.): 41	Diameter (in.): 12	
	NYTMN (km.): 4982.938	NYTME (km.): 628.697	Building: 3AI
Emission Point:	00139		
	Height (ft.): 41	Diameter (in.): 12	
	NYTMN (km.): 4982.947	NYTME (km.): 628.716	Building: 3AI
Emission Point:	00152		
	Height (ft.): 48	Diameter (in.): 10	
	NYTMN (km.): 4982.908	NYTME (km.): 628.437	Building: 32
Emission Point:	00156		
	Height (ft.): 48	Diameter (in.): 44	
	NYTMN (km.): 4983.063	NYTME (km.): 628.46	Building: 35
Emission Point:	00162		
	Height (ft.): 48	Diameter (in.): 10	
	NYTMN (km.): 4983.139	NYTME (km.): 628.622	Building: 21
Emission Point:	00164		
	Height (ft.): 48	Diameter (in.): 10	
	NYTMN (km.): 4983.14	NYTME (km.): 628.618	Building: 21
Emission Point:	00185		
	Height (ft.): 37	Diameter (in.): 10	
	NYTMN (km.): 4983.039	NYTME (km.): 628.494	Building: 19



Emission Point: 00186  
 Height (ft.): 46 Diameter (in.): 6  
 NYTMN (km.): 4983.094 NYTME (km.): 628.574 Building: 25

Emission Point: 00187  
 Height (ft.): 46 Diameter (in.): 13  
 NYTMN (km.): 4983.138 NYTME (km.): 628.61 Building: 21

Emission Point: 00192  
 Height (ft.): 28 Diameter (in.): 12  
 NYTMN (km.): 4982.78 NYTME (km.): 628.522 Building: 13

Emission Point: 00193  
 Height (ft.): 28 Diameter (in.): 10  
 NYTMN (km.): 4982.78 NYTME (km.): 628.52 Building: 13

Emission Point: 00194  
 Height (ft.): 28 Diameter (in.): 14  
 NYTMN (km.): 4982.782 NYTME (km.): 628.512 Building: 13

**Item 51.9(From Mod 0):**

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

Emission Unit: 0-00004

Emission Point: 00180  
 Height (ft.): 37 Diameter (in.): 4  
 NYTMN (km.): 4983.016 NYTME (km.): 628.474 Building: 19

Emission Point: 00181  
 Height (ft.): 37 Diameter (in.): 4  
 NYTMN (km.): 4983.022 NYTME (km.): 628.473 Building: 19

**Item 51.10(From Mod 0):**

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

Emission Unit: 0-00005

Emission Point: 00075  
 Height (ft.): 59 Diameter (in.): 22  
 NYTMN (km.): 4982.992 NYTME (km.): 628.501 Building: 14

Emission Point: 00115  
 Height (ft.): 33 Diameter (in.): 14  
 NYTMN (km.): 4982.996 NYTME (km.): 628.492 Building: 13

Emission Point: 00128  
 Height (ft.): 49 Diameter (in.): 16  
 NYTMN (km.): 4982.908 NYTME (km.): 628.426 Building: 32

Emission Point: 00129  
 Height (ft.): 69 Diameter (in.): 30



NYTMN (km.): 4982.974    NYTME (km.): 628.423    Building: 32

Emission Point: 00130  
 Height (ft.): 69                      Diameter (in.): 30  
 NYTMN (km.): 4982.967    NYTME (km.): 628.422    Building: 32

Emission Point: 00141  
 Height (ft.): 28                      Length (in.): 12                      Width (in.): 12  
 NYTMN (km.): 4982.926    NYTME (km.): 628.5                      Building: 14

Emission Point: 00165  
 Height (ft.): 46                      Diameter (in.): 16  
 NYTMN (km.): 4983.137    NYTME (km.): 628.6                      Building: 21

Emission Point: 00166  
 Height (ft.): 48                      Diameter (in.): 16  
 NYTMN (km.): 4983.107    NYTME (km.): 628.641    Building: 21

**Item 51.11(From Mod 0):**

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

Emission Unit: 0-00006

Emission Point: 00101  
 Height (ft.): 46                      Diameter (in.): 20  
 NYTMN (km.): 4982.965    NYTME (km.): 628.512    Building: 14

Emission Point: 00111  
 Height (ft.): 29                      Length (in.): 23                      Width (in.): 33  
 NYTMN (km.): 4982.912    NYTME (km.): 628.506    Building: 14

Emission Point: 00118  
 Height (ft.): 68                      Diameter (in.): 12  
 NYTMN (km.): 4982.929    NYTME (km.): 628.47                      Building: 18

Emission Point: 00119  
 Height (ft.): 68                      Diameter (in.): 12  
 NYTMN (km.): 4982.937    NYTME (km.): 628.47                      Building: 18

Emission Point: 00122  
 Height (ft.): 53                      Diameter (in.): 20  
 NYTMN (km.): 4982.916    NYTME (km.): 628.442    Building: 32

Emission Point: 00125  
 Height (ft.): 44                      Diameter (in.): 30  
 NYTMN (km.): 4982.912    NYTME (km.): 628.435    Building: 32

Emission Point: 00127  
 Height (ft.): 54                      Length (in.): 12                      Width (in.): 14  
 NYTMN (km.): 4982.913    NYTME (km.): 628.43                      Building: 32

Emission Point: 00147  
 Height (ft.): 48                      Diameter (in.): 8



NYTMN (km.): 4982.931    NYTME (km.): 628.452    Building: 27

Emission Point: 00148  
 Height (ft.): 48                      Diameter (in.): 8  
 NYTMN (km.): 4982.931    NYTME (km.): 628.45    Building: 27

Emission Point: 00150  
 Height (ft.): 48                      Diameter (in.): 12  
 NYTMN (km.): 4982.917    NYTME (km.): 628.438    Building: 32

Emission Point: 00151  
 Height (ft.): 48                      Diameter (in.): 12  
 NYTMN (km.): 4982.916    NYTME (km.): 628.432    Building: 32

Emission Point: 00158  
 Height (ft.): 48                      Diameter (in.): 30  
 NYTMN (km.): 4983.08    NYTME (km.): 628.646    Building: 21

Emission Point: 00160  
 Height (ft.): 48                      Diameter (in.): 8  
 NYTMN (km.): 4983.141    NYTME (km.): 628.635    Building: 21

Emission Point: 00161  
 Height (ft.): 48                      Diameter (in.): 8  
 NYTMN (km.): 4983.141    NYTME (km.): 628.629    Building: 21

Emission Point: 00163  
 Height (ft.): 48                      Diameter (in.): 8  
 NYTMN (km.): 4983.146    NYTME (km.): 628.616    Building: 21

Emission Point: 00176  
 Height (ft.): 49                      Diameter (in.): 16  
 NYTMN (km.): 4983.151    NYTME (km.): 628.642    Building: 21

Emission Point: 00177  
 Height (ft.): 48                      Diameter (in.): 16  
 NYTMN (km.): 4983.099    NYTME (km.): 628.56    Building: 25

Emission Point: 00178  
 Height (ft.): 51                      Diameter (in.): 30  
 NYTMN (km.): 4983.153    NYTME (km.): 628.624    Building: 21

Emission Point: 00183  
 Height (ft.): 48                      Diameter (in.): 12  
 NYTMN (km.): 4982.957    NYTME (km.): 628.457    Building: 27

**Item 51.12(From Mod 0):**

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

Emission Unit: 0-00008

Emission Point: 00039  
 Height (ft.): 21                      Diameter (in.): 3



	NYTMN (km.): 4982.913	NYTME (km.): 628.229	Building: TF
Emission Point: 00043			
Height (ft.): 26		Diameter (in.): 3	
	NYTMN (km.): 4982.922	NYTME (km.): 628.219	Building: TF
Emission Point: 00044			
Height (ft.): 26		Diameter (in.): 3	
	NYTMN (km.): 4982.927	NYTME (km.): 628.235	Building: TF
Emission Point: 00045			
Height (ft.): 26		Diameter (in.): 3	
	NYTMN (km.): 4982.917	NYTME (km.): 628.218	Building: TF
Emission Point: 00046			
Height (ft.): 26		Diameter (in.): 3	
	NYTMN (km.): 4982.92	NYTME (km.): 628.235	Building: TF
Emission Point: 00047			
Height (ft.): 26		Diameter (in.): 3	
	NYTMN (km.): 4982.932	NYTME (km.): 628.217	Building: TF
Emission Point: 00048			
Height (ft.): 23		Diameter (in.): 3	
	NYTMN (km.): 4982.94	NYTME (km.): 628.233	Building: TF
Emission Point: 00049			
Height (ft.): 23		Diameter (in.): 3	
	NYTMN (km.): 4982.933	NYTME (km.): 628.233	Building: TF

**Item 51.13(From Mod 2):**

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

Emission Unit: 0-00009			
Emission Point: 00062			
Height (ft.): 47		Diameter (in.): 6	
	NYTMN (km.): 4982.948	NYTME (km.): 628.26	Building: 23
Emission Point: 00063			
Height (ft.): 47		Diameter (in.): 6	
	NYTMN (km.): 4982.949	NYTME (km.): 628.264	Building: 23
Emission Point: 00073			
Height (ft.): 47		Diameter (in.): 20	
	NYTMN (km.): 4982.916	NYTME (km.): 628.259	Building: 23
Emission Point: 00091			
Height (ft.): 52		Diameter (in.): 4	
	NYTMN (km.): 4982.971	NYTME (km.): 628.273	Building: 26
Emission Point: 00093			
Height (ft.): 52		Diameter (in.): 4	



NYTMN (km.): 4982.97    NYTME (km.): 628.27    Building: 26

Emission Point: 00096  
Height (ft.): 52    Diameter (in.): 4  
NYTMN (km.): 4982.972    NYTME (km.): 628.279    Building: 26

Emission Point: 00144  
Height (ft.): 113    Diameter (in.): 10  
NYTMN (km.): 4982.959    NYTME (km.): 628.226    Building: 31

**Item 51.14(From Mod 0):**

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

Emission Unit: 0-00011

Emission Point: 00097  
Height (ft.): 20    Diameter (in.): 2  
NYTMN (km.): 4982.977    NYTME (km.): 628.297    Building: 26

**Item 51.15(From Mod 0):**

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

Emission Unit: 0-00013

Emission Point: 00188  
Height (ft.): 48    Diameter (in.): 16  
NYTMN (km.): 4982.975    NYTME (km.): 628.451    Building: 35

Emission Point: 00189  
Height (ft.): 48    Diameter (in.): 16  
NYTMN (km.): 4983.05    NYTME (km.): 628.46    Building: 27

Emission Point: 00190  
Height (ft.): 36    Diameter (in.): 20  
Building: 27

Emission Point: 00191  
Height (ft.): 46    Diameter (in.): 20  
Building: 35

**Condition 52: Process Definition By Emission Unit**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 52.1(From Mod 3):**

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

Emission Unit: 0-00002  
Process: 003    Source Classification Code: 3-01-060-08  
Process Description: Chemical Pilot Plant production exhaust systems.

Emission Source/Control: 00052 - Control





Emission Source/Control: 00248 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00314 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00315 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00140 - Process

Emission Source/Control: 00211 - Process

Emission Source/Control: 00240 - Process

Emission Source/Control: 00246 - Process

Emission Source/Control: 00399 - Process

**Item 52.3(From Mod 3):**

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

Emission Unit: 0-00003

Process: 005

Source Classification Code: 3-01-060-08

Process Description:

House vacuum systems used for cleaning building and machinery surfaces. Additional building nos. 4a,15,21,20,32, 27, & 35.

Emission Source/Control: 00005 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00025 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00147 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00174 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00228 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00266 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00405 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00406 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER



Emission Source/Control: 00407 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00408 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00415 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00416 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00417 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00418 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00002 - Process

Emission Source/Control: 00004 - Process

Emission Source/Control: 00008 - Process

Emission Source/Control: 00021 - Process

Emission Source/Control: 00024 - Process

Emission Source/Control: 00146 - Process

Emission Source/Control: 00173 - Process

Emission Source/Control: 00227 - Process

Emission Source/Control: 00265 - Process

**Item 52.4(From Mod 3):**

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

Emission Unit: 0-00003

Process: 006

Source Classification Code: 3-01-060-08

Process Description:

Production exhaust systems. Additional building nos.  
3ai, 4a, 13, 14, 21, 18, 19, 25, & 35.

Emission Source/Control: 00007 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00015 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00016 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER



Emission Source/Control: 00058 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00059 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00166 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00168 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00226 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00264 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00391 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00392 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00394 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00396 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00397 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00401 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00403 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00404 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00006 - Process

Emission Source/Control: 00010 - Process

Emission Source/Control: 00014 - Process

Emission Source/Control: 00057 - Process

Emission Source/Control: 00165 - Process



Emission Source/Control: 00167 - Process

Emission Source/Control: 00225 - Process

Emission Source/Control: 00262 - Process

Emission Source/Control: 00263 - Process

Emission Source/Control: 00390 - Process

Emission Source/Control: 00393 - Process

Emission Source/Control: 00395 - Process

Emission Source/Control: 00398 - Process

**Item 52.5(From Mod 3):**

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

Emission Unit: 0-00004

Process: 007

Source Classification Code: 3-01-060-04

Process Description:

Pharmaceutical manufacturing operations are vented to a common dust collector and stack (EP#00106) with the exception of the Charging (ES00375) and Pack-Off (ES00376) Isolators. The Charging and Pack-off isolators are controlled by HEPA filters (ES 000377 & 000378) and vented through EPs 00180 and 00181, respectively.

Emission Source/Control: 00100 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00124 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 00377 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00378 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00092 - Process

Emission Source/Control: 00095 - Process

Emission Source/Control: 00096 - Process

Emission Source/Control: 00097 - Process

Emission Source/Control: 00098 - Process

Emission Source/Control: 00099 - Process



Emission Source/Control: 00101 - Process

Emission Source/Control: 00102 - Process

Emission Source/Control: 00103 - Process

Emission Source/Control: 00104 - Process

Emission Source/Control: 00105 - Process

Emission Source/Control: 00106 - Process

Emission Source/Control: 00107 - Process

Emission Source/Control: 00108 - Process

Emission Source/Control: 00111 - Process

Emission Source/Control: 00113 - Process

Emission Source/Control: 00114 - Process

Emission Source/Control: 00115 - Process

Emission Source/Control: 00116 - Process

Emission Source/Control: 00117 - Process

Emission Source/Control: 00118 - Process

Emission Source/Control: 00119 - Process

Emission Source/Control: 00120 - Process

Emission Source/Control: 00121 - Process

Emission Source/Control: 00122 - Process

Emission Source/Control: 00123 - Process

Emission Source/Control: 00375 - Process

Emission Source/Control: 00376 - Process

**Item 52.6(From Mod 3):**

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

Emission Unit: 0-00005

Process: 009

Source Classification Code: 3-01-060-09

Process Description:

Air dryers used in pharmaceutical manufacturing.

Additional buildings nos. 27, 14, 32, 35, 27, & 21.



Emission Source/Control: 00054 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00130 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00158 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00160 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00260 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00261 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00053 - Process

Emission Source/Control: 00129 - Process

Emission Source/Control: 00157 - Process

Emission Source/Control: 00159 - Process

Emission Source/Control: 00259 - Process

**Item 52.7(From Mod 3):**

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

Emission Unit: 0-00006

Process: 011

Source Classification Code: 3-01-060-11

Process Description:

Procoater coating pans used for the coating of formed pharmaceutical products. Additional building nos. 27 and 21.

Emission Source/Control: 00136 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00139 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00199 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00200 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00202 - Control  
Control Type: FABRIC FILTER



Emission Source/Control: 00203 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00207 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00210 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00235 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00236 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00238 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00239 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00244 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00245 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00379 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 00380 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 00381 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 00382 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 00383 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 00387 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00409 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00410 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00411 - Control  
Control Type: FABRIC FILTER



Emission Source/Control: 00412 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00134 - Process

Emission Source/Control: 00137 - Process

Emission Source/Control: 00198 - Process

Emission Source/Control: 00201 - Process

Emission Source/Control: 00205 - Process

Emission Source/Control: 00208 - Process

Emission Source/Control: 00234 - Process

Emission Source/Control: 00237 - Process

Emission Source/Control: 00243 - Process

Emission Source/Control: 00313 - Process

Emission Source/Control: 00334 - Process

**Item 52.8(From Mod 3):**

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

Emission Unit: 0-00006

Process: 012

Source Classification Code: 3-01-060-11

Process Description:

Tablet coating pans used for coating formed  
pharmaceutical products with scrubber control. Additional  
building no. 21.

Emission Source/Control: 00151 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00152 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 00230 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00231 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: 00373 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 00148 - Process



Emission Source/Control: 00149 - Process

Emission Source/Control: 00150 - Process

Emission Source/Control: 00229 - Process

Emission Source/Control: 00365 - Process

Emission Source/Control: 00366 - Process

Emission Source/Control: 00386 - Process

**Item 52.9(From Mod 3):**

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

Emission Unit: 0-00013

Process: 022

Source Classification Code: 3-01-060-08

Process Description:

Various Pharmaceutical Coating and Granulation activities vented to regenerative thermal oxidizer/scrubber control system for control of VOC and HAP emissions.

Emission Source/Control: M0056 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: M0064 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: M0065 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: M0067 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0085 - Control

Control Type: REFRIGERATED CONDENSER

Emission Source/Control: M0086 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: M0088 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: M0090 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0215 - Control

Control Type: REFRIGERATED CONDENSER



Emission Source/Control: M0216 - Control  
Control Type: VAPOR RECOVERY SYS(INCL.  
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: M0218 - Control  
Control Type: VAPOR RECOVERY SYS(INCL.  
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: M0220 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0233 - Control  
Control Type: VAPOR RECOVERY SYS(INCL.  
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: M0307 - Control  
Control Type: TUBE AND SHELL CONDENSER

Emission Source/Control: M0320 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: M0327 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: M0328 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0330 - Control  
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: M0331 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: M0337 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: M0338 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0340 - Control  
Control Type: REFRIGERATED CONDENSER

Emission Source/Control: M0341 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: M0347 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: M0348 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0350 - Control  
Control Type: REFRIGERATED CONDENSER



Emission Source/Control: M0353 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: M0354 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0358 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: M0359 - Control  
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0360 - Control  
Control Type: THERMAL OXIDATION

Emission Source/Control: M0361 - Control  
Control Type: THERMAL OXIDATION

Emission Source/Control: M0362 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: M0363 - Control  
Control Type: WET SCRUBBER

Emission Source/Control: M0055 - Process

Emission Source/Control: M0063 - Process

Emission Source/Control: M0066 - Process

Emission Source/Control: M0084 - Process

Emission Source/Control: M0087 - Process

Emission Source/Control: M0089 - Process

Emission Source/Control: M0214 - Process

Emission Source/Control: M0217 - Process

Emission Source/Control: M0219 - Process

Emission Source/Control: M0232 - Process

Emission Source/Control: M0306 - Process

Emission Source/Control: M0308 - Process

Emission Source/Control: M0309 - Process

Emission Source/Control: M0310 - Process



- Emission Source/Control: M0321 - Process
- Emission Source/Control: M0322 - Process
- Emission Source/Control: M0323 - Process
- Emission Source/Control: M0324 - Process
- Emission Source/Control: M0325 - Process
- Emission Source/Control: M0326 - Process
- Emission Source/Control: M0329 - Process
- Emission Source/Control: M0332 - Process
- Emission Source/Control: M0333 - Process
- Emission Source/Control: M0334 - Process
- Emission Source/Control: M0335 - Process
- Emission Source/Control: M0336 - Process
- Emission Source/Control: M0339 - Process
- Emission Source/Control: M0342 - Process
- Emission Source/Control: M0343 - Process
- Emission Source/Control: M0344 - Process
- Emission Source/Control: M0345 - Process
- Emission Source/Control: M0346 - Process
- Emission Source/Control: M0349 - Process
- Emission Source/Control: M0351 - Process
- Emission Source/Control: M0352 - Process
- Emission Source/Control: M0355 - Process
- Emission Source/Control: M0356 - Process
- Emission Source/Control: M0357 - Process
- Emission Source/Control: M0364 - Process

**Item 52.10(From Mod 3):**

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



Emission Unit: 0-00013

Process: 023

Source Classification Code: 3-01-060-12

Process Description:

This process represents aqueous (non-solvent) granulation processes in PAL 4 and 7. In addition to particulate emissions from fluid bed dryers (FBDs) (EPs 00188 & 00189) fugitive emissions from other granulation activities are also captured by dedicated dust collection systems. These emissions are exhausted to the atmosphere (EPs 00190 & 00191) in aqueous mode instead of being directed to the RTO. These are potential sources for Active Particulate Ingredients (APIs).

Emission Source/Control: M0090 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0220 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0331 - Control

Control Type: FABRIC FILTER

Emission Source/Control: M0337 - Control

Control Type: FABRIC FILTER

Emission Source/Control: M0338 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0341 - Control

Control Type: FABRIC FILTER

Emission Source/Control: M0347 - Control

Control Type: FABRIC FILTER

Emission Source/Control: M0348 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: M0089 - Process

Emission Source/Control: M0219 - Process

Emission Source/Control: M0332 - Process

Emission Source/Control: M0333 - Process

Emission Source/Control: M0334 - Process

Emission Source/Control: M0342 - Process

Emission Source/Control: M0343 - Process

Emission Source/Control: M0344 - Process



**Item 52.11(From Mod 0):**

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

Emission Unit: 0-00001

Process: 001

Source Classification Code: 1-02-006-01

Process Description:

4 Natural gas fired steam generating boilers, each with a maximum rated heat input capacity greater than 50 million Btu's per hour and equal to or less than 100 million Btu's per hour.

Emission Source/Control: 00001 - Combustion

Design Capacity: 55.9 million Btu per hour

Emission Source/Control: 00074 - Combustion

Design Capacity: 73 million Btu per hour

Emission Source/Control: 00204 - Combustion

Design Capacity: 84.5 million Btu per hour

Emission Source/Control: 00333 - Combustion

Design Capacity: 98 million Btu per hour

**Item 52.12(From Mod 0):**

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

Emission Unit: 0-00001

Process: 01C

Source Classification Code: 1-02-005-01

Process Description:

4 No. 2 fuel oil fired steam generating boilers, each with a maximum rated heat input capacity of greater than 50 million Btu's per hour and equal to or less than 100 million Btu's per hour.

Emission Source/Control: 00001 - Combustion

Design Capacity: 55.9 million Btu per hour

Emission Source/Control: 00074 - Combustion

Design Capacity: 73 million Btu per hour

Emission Source/Control: 00204 - Combustion

Design Capacity: 84.5 million Btu per hour

Emission Source/Control: 00333 - Combustion

Design Capacity: 98 million Btu per hour

**Item 52.13(From Mod 0):**

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

Emission Unit: 0-00005

Process: 008

Source Classification Code: 3-01-060-09

Process Description:

Tray dryers used in pharmaceutical manufacturing.





Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00371 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 00372 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00037 - Process

Emission Source/Control: 00075 - Process

Emission Source/Control: 00143 - Process

Emission Source/Control: 00367 - Process

Emission Source/Control: 00370 - Process

**Item 52.16(From Mod 0):**

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

Emission Unit: 0-00008

Process: 016

Source Classification Code: 4-07-080-98

Process Description: Vapor losses from chemical bulk storage tanks.

Emission Source/Control: 00040 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 00044 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 00046 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 00048 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 00267 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 00268 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 00269 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 00270 - Control

Control Type: CONSERVATION VENT

Emission Source/Control: 00036 - Process

Emission Source/Control: 00038 - Process



Emission Source/Control: 00039 - Process

Emission Source/Control: 00041 - Process

Emission Source/Control: 00042 - Process

Emission Source/Control: 00043 - Process

Emission Source/Control: 00045 - Process

Emission Source/Control: 00047 - Process

**Item 52.17(From Mod 2):**

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

Emission Unit: 0-00009

Process: 017

Source Classification Code: 3-01-060-02

Process Description:

Chemical pilot plant atmospheric reactor operations with low temperature condenser controls.

Emission Source/Control: 00194 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 00195 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 00197 - Control

Control Type: VAPOR RECOVERY SYS(INCL. CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 00325 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00326 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00327 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00328 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00329 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS SCRUBBER (GENERAL, NOT CLASSIFIED)



Emission Source/Control: 00330 - Control  
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00175 - Process

Emission Source/Control: 00176 - Process

Emission Source/Control: 00177 - Process

Emission Source/Control: 00178 - Process

Emission Source/Control: 00179 - Process

Emission Source/Control: 00180 - Process

Emission Source/Control: 00181 - Process

Emission Source/Control: 00182 - Process

Emission Source/Control: 00183 - Process

Emission Source/Control: 00184 - Process

Emission Source/Control: 00185 - Process

Emission Source/Control: 00186 - Process

Emission Source/Control: 00187 - Process

Emission Source/Control: 00188 - Process

Emission Source/Control: 00189 - Process

**Item 52.18(From Mod 2):**

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

Emission Unit: 0-00009

Process: 021

Source Classification Code: 3-01-820-01

Process Description:

Treatment of main plant and/or Chemical Development wastewater containing <1% organic solvents. Treatment will include pH neutralization and steam stripping unit operations as needed. Additional Building 26.

Emission Source/Control: 00195 - Control

Control Type: VAPOR RECOVERY SYS(INCL.

CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 00316 - Process

Design Capacity: 10,000 gallons

Emission Source/Control: 00317 - Process



Design Capacity: 10,000 gallons

Emission Source/Control: 00318 - Process  
Design Capacity: 11,000 gallons

Emission Source/Control: 00319 - Process  
Design Capacity: 11,000 gallons

Emission Source/Control: 00320 - Process  
Design Capacity: 11,000 gallons

Emission Source/Control: 00321 - Process  
Design Capacity: 2,000 gallons

Emission Source/Control: 00322 - Process  
Design Capacity: 900 gallons

Emission Source/Control: 00323 - Process  
Design Capacity: 500 gallons

Emission Source/Control: 00324 - Process  
Design Capacity: 25 gallons per minute

**Item 52.19(From Mod 2):**

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

Emission Unit: 0-00009

Process: 17B

Source Classification Code: 3-01-060-02

Process Description:

Chemical pilot plant vacuum reactor operations with low temperature condenser controls.

Emission Source/Control: 00195 - Control

Control Type: VAPOR RECOVERY SYS(INCL.  
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 00196 - Control

Control Type: VAPOR RECOVERY SYS(INCL.  
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 00325 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00326 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00327 - Control

Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00328 - Control



Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00329 - Control  
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00330 - Control  
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00175 - Process

Emission Source/Control: 00176 - Process

Emission Source/Control: 00177 - Process

Emission Source/Control: 00178 - Process

Emission Source/Control: 00179 - Process

Emission Source/Control: 00180 - Process

Emission Source/Control: 00181 - Process

Emission Source/Control: 00182 - Process

Emission Source/Control: 00183 - Process

Emission Source/Control: 00184 - Process

Emission Source/Control: 00185 - Process

Emission Source/Control: 00186 - Process

Emission Source/Control: 00187 - Process

Emission Source/Control: 00188 - Process

Emission Source/Control: 00189 - Process

Emission Source/Control: 00331 - Process

Emission Source/Control: 00332 - Process

**Item 52.20(From Mod 2):**

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

Emission Unit: 0-00009

Process: 17C

Source Classification Code: 3-01-060-02

Process Description: Chemical pilot plant vacuum tray dryers.

Emission Source/Control: 00195 - Control



Control Type: VAPOR RECOVERY SYS(INCL.  
CONDENSERS,HOODING, OTHER ENCLOSURES)

Emission Source/Control: 00325 - Control  
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00326 - Control  
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00327 - Control  
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00328 - Control  
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00329 - Control  
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00330 - Control  
Control Type: PACKED GAS ABSORPTION SYSTEM, GAS  
SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 00190 - Process

Emission Source/Control: 00191 - Process

Emission Source/Control: 00192 - Process

Emission Source/Control: 00193 - Process

Emission Source/Control: 00331 - Process

Emission Source/Control: 00332 - Process

**Item 52.21(From Mod 2):**

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

Emission Unit: 0-00009

Process: 21B

Source Classification Code: 3-01-820-01

Process Description:

Treatment of Chemical Development wastewater containing up to 15% organic solvents. Treatment will include pH neutralization and steam stripping unit operations as needed. Additional Building 26.

Emission Source/Control: 00195 - Control

Control Type: VAPOR RECOVERY SYS(INCL.  
CONDENSERS,HOODING, OTHER ENCLOSURES)





Emission Unit: 000001

Process: 01C

Emission Source: 00333

**Item 53.1:**

This Condition applies to Emission Unit: 0-00001

**Item 53.2.3:**

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

**Condition 54: Enforceability.**

Effective between the dates of 06/23/2008 and 06/22/2013

Applicable Federal Requirement:40CFR 60.42c(i), NSPS Subpart Dc

**Item 54.1:**

This Condition applies to:

Emission Unit: 000001

Process: 01C

Emission Source: 00074

Emission Unit: 000001

Process: 01C

Emission Source: 00204

Emission Unit: 000001

Process: 01C

Emission Source: 00333

**Item 54.1:**

This Condition applies to Emission Unit: 0-00001

**Item 54.2.3:**

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

**Condition 55: Enforceability of particulate matter and opacity standards.**

Effective between the dates of 06/23/2008 and 06/22/2013

Applicable Federal Requirement:40CFR 60.43c(d), NSPS Subpart Dc

**Item 55.1:**

This Condition applies to:

Emission Unit: 000001

Process: 01C

Emission Source: 00074

Emission Unit: 000001



Process: 01C Emission Source: 00204

Emission Unit: 000001  
Process: 01C Emission Source: 00333

**Item 55.1:**

This Condition applies to Emission Unit: 0-00001

**Item 55.2.3:**

The particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

**Condition 56: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:40CFR 60.48c(g), NSPS Subpart Dc**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For Emission Source Nos. 00074, 00204 and 00333 (i.e., Babcock & Wilcox FM 10-79, 101-88 and 103-97 boilers), source owner 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 10/30/2008.

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

**Condition 57: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001  
Process: 01C

Regulated Contaminant(s):



CAS No: 0NY075-00-0 PARTICULATES

**Item 57.2:**

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 if the total amount of No. 2 fuel oil consumed by the boilers reaches 300,000 gallons (12-month rolling basis), or if testing is requested by a regulatory agency:

- 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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 58: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Process: 01C

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 58.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Source owner shall not combust oil with a sulfur content in excess of 0.5 percent by weight. For No. 2 fuel oil, source owner may comply with this requirement based upon a certification from the fuel supplier. This will assure compliance with the sulfur in fuel requirement from 40 CFR 60.42c(d) which applies to the Babcock & Wilcox FM 10-79, FM 101-88 and FM 103-97 boilers (ES Nos. 00074, 00204 and 00333); 6 NYCRR 225-1, which applies to all of the boilers at this facility; and PSD cap. Fuel supplier certification shall include the following information:

- (1) The name of the oil supplier; and
  - (2) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in Section 60.41c of 40 CFR 60. Section 60.41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A Standard Specification for Fuel Oils.
- No. 2 oil supplier certifications shall be retained on site for at least five years from the date that the certified oil was delivered to the facility.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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 10/30/2008.

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

**Condition 59: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement: 40CFR 60.48c(e), NSPS Subpart Dc**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Process: 01C



Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For Babcock & Wilcox FM 10-79, FM 101-88 and FM 103-97 boilers (ES Nos. 00074, 00204 and 00333), the owner or operator shall keep records and submit reports as required under 40 CFR 60.48c(d), including the following information:

(1) Calendar dates covered in the reporting period.

(2) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification including the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in Section 60.41c of 40 CFR 60.

(3) A certified statement signed by the owner or operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 60: Emissions from new emission sources and/or modifications Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 60.1:**

This Condition applies to:

Emission Unit: 000003

Emission Unit: 000004

Emission Unit: 000005

Emission Unit: 000006



Emission Unit: 000008

Emission Unit: 000009

Emission Unit: 000013

**Item 60.1:**

This Condition applies to Emission Unit: 0-00002

**Item 60.2.3:**

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 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

**Condition 61: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 233.3(b)(2)**

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For synthesized pharmaceutical manufacturing processes conducted under this emission unit (i.e., EU #0-00002), each air dryer or production equipment exhaust system with an emission rate potential for volatile organic compounds (VOC) of less than 330 pounds per day (before control) must reduce emissions to 33 pounds per day or less.

Records shall be maintained on-site which demonstrate compliance with this emission limit. These records shall include the mass emissions of VOC for each day from each air dryer or production equipment exhaust system, as well as the production and operating records used to calculate the mass emissions. Emission factors are subject to the approval of the Department.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.



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

**Condition 62: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 233.3(f)**

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

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

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For in-process tanks containing a volatile organic compound (VOC), and associated with synthesized pharmaceutical manufacturing production (not R & D) processes having an emission rate potential for VOC of greater than 15 pounds per day, covers must be installed on openings to these tanks. Tank openings must remain covered unless production, sampling, maintenance, or inspection procedures require operator access.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 63: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 233.5(b)**

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

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

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

For a synthesized pharmaceutical manufacturing process having an emission rate potential for VOC greater than 15 pounds per day and being performed for production purposes (i.e., not for research & development), all leaks from which a liquid containing VOC can be observed running or dripping must be repaired the first time the equipment is off-line for a period of time long enough to complete the repair, but not later than 15 days after the leak is discovered. If the leaking component cannot be repaired until the process is shut down, and a shut down cannot be done within the 15 days after the leak is detected, the leaking component must then be repaired before the process is restarted.

For any leak which cannot be readily repaired within one (1) day after detection, the following records must be kept:

1. the name of the leaking equipment;
2. the date and time the leak is detected;
3. the action taken to repair the leak; and
4. the date and time the leak is repaired.

These records must be maintained at the facility for a period of five (5) years.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 64: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003

Process: 004

Emission Source: 00399

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS



Monitoring Description:

In order to mitigate ambient air impacts of active particulate ingredients (APIs), the total number of batches produced in the equipment referenced as ES 00399 shall be limited to no more than 1,100 during any consecutive twelve (12) month period. Source owner or operator shall maintain a written record of the number of batches processed in this equipment over each month, as well as the number of batches processed in this equipment over each twelve (12) month period, rolled monthly.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: BATCHES

Upper Permit Limit: 1100 number (or quantity) per year

Monitoring Frequency: MONTHLY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 65: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003

Emission Point: 00019

Regulated Contaminant(s):

CAS No: 000075-09-2 DICHLOROMETHANE

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Methylene Chloride (a.k.a., Dichloromethane) is given an environmental rating of "B" per 6 NYCRR 212.9(a) Table 1. For a B-rated contaminant, having an ERP of less than 10 pounds per hour, the degree of air cleaning required must be specified by the Commissioner per 6 NYCRR 212.9(b) Table 2. For this emission point, the emission rate of Methylene Chloride shall not exceed 5.5 pounds per hour.

Per 6 NYCRR, Subpart 202-1, in order to determine compliance or non-compliance with this emission limit, the source owner may be required to submit an acceptable report of measured emissions within a stated time.



Parameter Monitored: DICHLOROMETHANE  
Upper Permit Limit: 5.5 pounds per hour  
Reference Test Method: USEPA Method 18  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 66: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003	Emission Point: 00019
Process: 006	Emission Source: 00014
Regulated Contaminant(s): CAS No: 000075-09-2	DICHLOROMETHANE

**Item 66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

In order to mitigate ambient impacts from Methylene Chloride (a.k.a., Dichloromethane) generated by this emission source, the owner shall limit the total amount of Methylene Chloride weighed out to no more than 144,000 kg per consecutive twelve (12) month period.

Source owner shall maintain a written record for this source which includes the total amount of Methylene Chloride weighed out over each month, as well as the total amount of Methylene Chloride weighed out over each twelve (12) month period, rolled monthly.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: RAW MATERIAL  
Parameter Monitored: DICHLOROMETHANE  
Upper Permit Limit: 144000 kilograms per year  
Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 67: Compliance Certification**



**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 233.3(d)**

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00008

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 67.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following storage tanks shall be equipped with pressure/vacuum conservation vents set at 0.03 psi, unless more effective control equipment is used:

1. Methanol Storage Tank (ES No. 00039)
2. Organic Waste Storage Tank (ES No. 00043)
3. 3A Alcohol Storage Tank (ES No. 00045)

The pressure/vacuum conservation vents shall be inspected/maintained per manufacturer's specification on a quarterly basis. A record of maintenance performed shall be kept on site for a period of at least five (5) years from the date it is performed.

Monitoring Frequency: QUARTERLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 68: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 233.5(b)**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00008

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 68.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All leaks from which a liquid containing VOC can be observed running or dripping must be repaired the first time the equipment is off-line for a period of time long enough to complete the repair, but not later than 15 days after the leak is discovered. If the leaking component cannot be repaired until the process is shut down, and a shut down cannot be done within the 15 days after the leak is detected, the leaking component must then be repaired before the process is restarted.

For any leak which cannot be readily repaired within one (1) day after detection, the following records must be kept:

1. the name of the leaking equipment;
2. the date and time the leak is detected;
3. the action taken to repair the leak; and
4. the date and time the leak is repaired.

These records must be maintained at the facility for a period of five (5) years.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 69: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:40CFR 60.116b(b), NSPS Subpart Kb**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00008

**Item 69.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each storage vessel as specified in 40 CFR 60.110b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Each storage vessel with a design capacity less than 75 cubic



meters is subject to no provisions of this subpart other than those required by this paragraph

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 2-2: Compliance Certification**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 2-2.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

**Item 2-2.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To establish annual Potentials to Emit (PTE) and mitigate annual ambient air impacts, the total number of batches produced, using the contaminants specified in Appendix C, version 11-21-08, during any consecutive twelve month period (rolled monthly) shall be limited as specified therein.

A written record of the number of above-referenced batches processed shall be maintained by the owner or operator. The running annual number of batches processed (rolled monthly), using each specified contaminant, shall not exceed the limit specified for that contaminant.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 2-6: Compliance Certification**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 2-6.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009



**Item 2-6.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emission from other air contaminant 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.

Appendix C, version 11-21-08, lists VOC contaminants that may be emitted while performing the processes permitted under this emission unit (EU #0-00009) and which are not given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1. This determination involves the evaluation of facility-wide impacts which are based on various conditions contained in this permit (e.g., batch limits and simultaneous emissions), as well as the required degree of control specified by this permit condition.

For these processes, the owner or operator shall achieve the degree of control specified in Appendix C for each contaminant emitted. When using vent condensers to control emissions from these processes, they shall achieve, at a maximum, the temperatures specified in Appendix C. The owner or operator shall demonstrate compliance with vent condensers' (ES Nos. 00194-00197) maximum outlet temperatures based on a 6-hour rolling average.

When product batches are run using these contaminants, the outlet gas temperature of the refrigerated condenser used to control emissions shall be monitored and recorded at least once every 15 minutes, but no less than 4 times during the course of the unit operation for which it is being used. In cases where the condenser outlet gas temperature is not readily measurable due to negligible gas flow rate, the temperature of the condenser coolant may be used in lieu of condenser outlet gas temperature as long as the temperature of the condenser coolant does not exceed the allowable condenser outlet gas temperature specified above.

Compliance with this condition also demonstrates compliance for process sources subject to VOC RACT control requirements specified in 6NYCRR 233.3 (a).



The owner or operator may substitute scrubbers (ES Nos. 00325-00330) for control of contaminants as specified in permit conditions and Appendix C.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: Appendix C degrees Centigrade (or Celsius)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 2-7: Compliance Certification**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 2-7.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

**Item 2-7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To mitigate short-term ambient impact problems, a unit process using contaminants identified in Appendix C, version 11-21-08, as having SGC restrictions shall not be run simultaneously with any other unit process using these specified contaminants. The owner or operator shall maintain a record of each unit process run using each of these contaminants and the date and time of each batch.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 2-8: Compliance Certification**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 2-8.1:**

The Compliance Certification activity will be performed for:



Emission Unit: 0-00009

**Item 2-8.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain and operate an interlock device preventing the operation of the wastewater steam stripper at temperatures greater than -25 degrees C. The interlock device shall be kept in a satisfactory state of maintenance and repair in accordance with the manufacturer's specifications and as required to operate such device effectively.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 2-9: Compliance Certification**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 2-9.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

**Item 2-9.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emission from other air contaminant 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.

Appendix C, version 11-21-08, lists VOC contaminants that may be emitted while performing the processes permitted under this emission unit (EU #0-00009) and which are not given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1. This determination involves the evaluation of facility-wide impacts which are based on various conditions contained in this permit (e.g., batch limits



and simultaneous emissions), as well as the required degree of control specified by this permit condition.

For these processes, the owner or operator shall achieve the degree of control specified in Appendix C for each contaminant emitted. When using scrubbers to control emissions from these processes, they shall achieve, at a minimum, the percent control efficiency specified in Appendix C.

To document control efficiencies being achieved for scrubbers (ES Nos. 00325-00330), the source owner or operator shall maintain records of the following information for each unit operation performed using the above contaminants:

1. All physical data needed to determine the appropriate scrubber liquid composition.
2. The exhaust gas flow rate for the process being controlled by the scrubber.
3. The vapor-to-liquid flow ratio needed to achieve the required control efficiency.
4. The scrubber liquid flow rate maintained during the unit operation. This parameter shall be continuously monitored and recorded (at least once every 15 minutes) for the duration of the unit operation.
5. The calculation method(s) used to determine the above scrubber operating parameters.

Compliance with this condition also demonstrates compliance for process sources subject to VOC RACT control requirements specified in 6NYCRR 233.3 (a).

The owner or operator may substitute vent condenser's (ES Nos. 00194-00197) for control of contaminants as specified in permit conditions and Appendix C.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 2-10: Compliance Certification**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**



**Item 2-10.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

**Item 2-10.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To mitigate short-term ambient air impacts for VOC contaminants listed in Appendix C, version 11-21-08, which are not given an environmental rating of "A", the owner or operator shall monitor and record the condensers' (ES Nos. 00194-00197) 1-hour rolling average outlet gas temperature (at least every 15 minutes). If the 1-hour average temperature exceeds the action level temperature identified in Appendix C, on a contaminant specific basis, the owner or operator shall verify and maintain adequate documentation demonstrating that the actual hourly mass emission rate(s) (MER) for Emission Unit (EU-00009) does not exceed the Emission Unit's (scrubber adjusted) hourly PTE contained in Appendix D. Deviations of the action level temperature shall be included in the Semiannual report as percent of total operating time.

If EU-00009's (scrubber adjusted) hourly PTE is exceeded, the violation must be reported as required in conditions of this permit and in accordance with 6NYCRR 201-6.5(c)(3)(ii).

In cases where the condenser outlet gas temperature is not readily measurable due to negligible gas flow rate, the temperature of the condenser coolant may be used in lieu of condenser outlet gas temperature as long as the temperature of the condenser coolant does not exceed the allowable condenser outlet gas temperature specified above.

The owner or operator shall, to the extent practicable, maintain and operate the emission source/control in a manner consistent with good air pollution control practice for minimizing emissions.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 70: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**



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

**Item 70.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

**Item 70.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall complete the following actions in order to ensure future compliance with the Order on Consent (File No. R5-20050614-507), applicable laws and regulations including but not limited to 6NYCRR 201-6.5(a)(2).

1. Within four (4) months following the proper execution of this Order on Consent, the permittee shall submit to the Department an approvable, complete application for modification of the compliance monitoring conditions associated with the vent condensers used to control emissions from the Chemical Development Plant. The compliance monitoring activities must:

-Yield reliable data from the relevant time periods that is representative of the stationary source's compliance with the applicable requirements.

-Assure use of terms and averaging periods consistent with the applicable requirements.

-Demonstrate compliance with all applicable requirements, including without limitation, record keeping and reporting of compliance monitoring in accordance with 6 NYCRR §201-6.5(c).

2. If compliance with the permit modification does not require the design, installation and testing of new equipment (ie., hardware), the permittee shall complete all the necessary changes required to assure compliance with the new compliance monitoring conditions within six (6) months following issuance by the Department of the permit modification.

3. Within ten (10) months following the execution of this Order, the permittee shall operate and maintain an interlock which will prevent wastewater steam stripping



operations from starting without proper vent condenser control.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 71: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Item 71.1:**

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

6NYCRR 212.10

6NYCRR 228.1

6NYCRR 233.1(d)(4)

**Item 71.2:**

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

**Item 71.3:**

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

**Item 71.4:**

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

**Item 71.5:**

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

**Item 71.6:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009



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

**Item 71.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For this Emission Unit (EU #0-00009), monthly emissions of VOC's from all processes (i.e., production and research and development) shall be calculated on a chemical specific, batch by batch basis. The output from these batchwise calculations shall be recorded and added into the facility-wide VOC emissions total as specified in the facility level capping conditions. These capping conditions include Reasonably Available Control Technology (RACT) requirements contained in Part 212 of 6 NYCRR, as well as those portions of Part 233 of 6 NYCRR that are triggered by the 50 ton per year potential to emit threshold for VOC.

Since the VOC emissions calculations for this Emission Unit are based upon the physical characteristics of the VOC(s) involved, as well as the exhaust system parameters (particularly, the vent condenser exit temperature), a record of this information shall be maintained by the source owner or operator. The vent condenser exit temperature shall be monitored and recorded at least once every 15 minutes, but no less than 4 times during the course of the unit operation for which it is being used.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 2-3: Compliance Certification**

**Effective between the dates of 04/01/2009 and 06/22/2013**

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

**Item 2-3.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

**Item 2-3.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To mitigate short-term ambient air impacts for A-rated and non-VOC contaminants listed in Appendix C, version 11-21-08, the owner or operator shall monitor and record the condensers' (ES Nos. 00194-00197) 1-hour rolling average outlet gas temperature (at least every 15 minutes). If the 1-hour average temperature exceeds the action level temperature identified in Appendix C, on a contaminant specific basis, the source owner or operator shall verify and maintain adequate documentation demonstrating that the actual hourly mass emission rate(s) (MER) for Emission Unit (EU-00009) does not exceed the Emission Unit's (scrubber adjusted) hourly PTE contained in Appendix D. Deviations of the action level temperature shall be included in the Semiannual report as percent of total operating time.

If EU-00009's (scrubber adjusted) hourly PTE is exceeded, the violation must be reported as required in conditions of this permit and in accordance with 6NYCRR 201-6.5(c)(3)(ii).

In cases where the condenser outlet gas temperature is not readily measurable due to negligible gas flow rate, the temperature of the condenser coolant may be used in lieu of condenser outlet gas temperature as long as the temperature of the condenser coolant does not exceed the allowable condenser outlet gas temperature specified above.

The owner or operator shall, to the extent practicable, maintain and operate the emission source/control in a manner consistent with good air pollution control practice for minimizing emissions.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 2-4: Compliance Certification**

**Effective between the dates of 04/01/2009 and 06/22/2013**

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

**Item 2-4.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

**Item 2-4.2:**



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Appendix C, version 11-21-08, lists the VOC & non -VOC contaminants that may be emitted while performing the processes permitted under this emission unit (EU #0-00009) and are given an environmental rating of "A," per 6 NYCRR 212.9(a) Table 1.

Per 6 NYCRR 212.9(b) Table 2, those with emission rate potentials (ERP's) greater than 1 pound per hour shall have 99% control or greater or Best Available Control Technology (BACT). For these processes, the owner or operator shall use vent condensers (ES Nos. 00194-00197) with a maximum outlet temperature of -25 degrees C or scrubbers (ES Nos. 00325-00330) to achieve, at a minimum, the required degree of control specified in Appendix C. A maximum vent condenser outlet temperature of -25 degrees C is considered BACT, and satisfies the degree of control specified by the commissioner in this case. The owner or operator shall demonstrate compliance with this temperature limit based on a 6-hour rolling average.

When product batches are run using these contaminants, the outlet gas temperature of the refrigerated condenser used to control emissions shall be monitored and recorded at least once every 15 minutes, but no less than 4 times during the course of the unit operation for which it is being used. In cases where the condenser outlet gas temperature is not readily measurable due to negligible gas flow rate, the temperature of the condenser coolant may be used in lieu of condenser outlet gas temperature as long as the temperature of the condenser coolant does not exceed the allowable condenser outlet gas temperature specified above.

The owner or operator may substitute scrubbers (ES Nos. 00325-00330) for control of contaminants as specified in permit conditions and Appendix C.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: -25 degrees Centigrade (or Celsius)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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



**Condition 2-5: Compliance Certification**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

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

**Item 2-5.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

**Item 2-5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Appendix C, version 11-21-08, lists VOC & non-VOC contaminants that may be emitted while performing the processes permitted under this emission unit (EU #0-00009) and are given an environmental rating of "A," per 6 NYCRR 212.9(a) Table 1.

Per 6 NYCRR 212.9(b) Table 2, those with emission rate potentials (ERP's) greater than 1 pound per hour shall have 99% control or greater or Best Available Control Technology (BACT). For these processes, the owner or operator shall use vent condensers (ES Nos. 00194-00197) with a maximum outlet temperature of -25C or scrubbers (ES Nos. 00325-00330) to achieve, at a minimum, the required degree of control specified in Appendix C.

In order to document the scrubber control efficiencies being achieved, source owner or operator shall maintain records of the following information for each unit operation performed using the above contaminants:

1. All physical data needed to determine the appropriate scrubber liquid composition.
2. The exhaust gas flow rate for the process being controlled by the scrubber.
3. The vapor-to-liquid flow ratio needed to achieve the required control efficiency.
4. The scrubber liquid flow rate maintained during the unit operation. This parameter shall be continuously monitored and recorded (at least once every 15 minutes) for the duration of the unit operation.
5. The calculation method(s) used to determine the above scrubber operating parameters.



The owner or operator may substitute vent condensers (ES Nos. 00194-00197) for control of contaminants as specified in permit conditions and Appendix C.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 79: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 233.3(f)**

**Item 79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For in-process tanks containing a volatile organic compound (VOC), and associated with synthesized pharmaceutical manufacturing production (not R & D) processes having an emission rate potential for VOC of greater than 15 pounds per day, covers must be installed on openings to these tanks. Tank openings must remain covered unless production, sampling, maintenance, or inspection procedures require operator access.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 80: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 233.5(a)**

**Item 80.1:**

The Compliance Certification activity will be performed for:



Emission Unit: 0-00009

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

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When a synthesized pharmaceutical manufacturing process, having an emission rate potential for VOC greater than 15 pounds per day, is performed for production purposes (i.e., not for research & development), the following records must be kept:

1. The outlet gas temperature of the refrigerated condenser used to control VOC emissions.
2. The vapor pressure (at 20 degrees C) of the VOC being controlled.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 81: Compliance Certification**

**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 233.5(b)**

**Item 81.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

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

**Item 81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a synthesized pharmaceutical manufacturing process having an emission rate potential for VOC greater than 15 pounds per day and being performed for production purposes (i.e., not for research & development), all leaks from which a liquid containing VOC can be observed running or dripping must be repaired the first time the equipment is



off-line for a period of time long enough to complete the repair, but not later than 15 days after the leak is discovered. If the leaking component cannot be repaired until the process is shut down, and a shut down cannot be done within the 15 days after the leak is detected, the leaking component must then be repaired before the process is restarted.

For any leak which cannot be readily repaired within one (1) day after detection, the following records must be kept:

1. the name of the leaking equipment;
2. the date and time the leak is detected;
3. the action taken to repair the leak; and
4. the date and time the leak is repaired.

These records must be maintained at the facility for a period of five (5) years.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 85: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00013

Regulated Contaminant(s):

CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000075-09-2	DICHLOROMETHANE
CAS No: 0NY998-00-0	VOC
CAS No: 0NY100-00-0	HAP

**Item 85.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Regenerative Thermal Oxidizer/scrubber control system shall operate continuously while contaminants are being



emitted from process sources. When production is shut down, and after equipment has been purged, room air only may be vented via bypass vents in order to maintain required air flows through the rooms.

The bypass line valves used shall be kept in the closed position at all times that associated process sources are in operation or being purged. The bypass line valves shall be proven shut by a valve position switch prior to restarting equipment, during batch processing and during purging to ensure that process gases are not being diverted through the bypass line.

To prevent the backflow of contaminant laden gases from the main manifold into the room air during bypass periods, line valves shall be installed between the main manifold, and the process equipment and main trunks of the fugitive emissions collection systems. These line valves shall be kept in the closed position at all times that bypass line valves are in the open position. The bypass line valves shall be proven open by a valve position switch, and the backflow prevention line valves shall be proven closed by a valve position switch.

A record of valve position shall be maintained, documenting the position of the line valves at all times. Each record shall include the date and time of every valve transition, the end position, status of associated process equipment (off-line or on-line), and whether or not the valve position complied with the above requirements. Note that equipment status is considered to be on-line while purging.

Source owner shall report all periods during which a line valve is found to be in a position contrary to that specified above.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 86: Compliance Certification**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 86.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00013



**Item 86.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

If a problem is suspected, based upon the pressure drop reading across any of the particulate filtering devices (or any other indicator), a USEPA Method 9 test shall be conducted on stack emissions by a certified Method 9 observer.

A record shall be maintained of all incidences where Method 9 evaluations have been performed and the reason for the evaluation. Source owner shall contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 evaluation if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: USEPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2008.

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

**Condition 3-16: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement:6NYCRR 201-7**

**Replaces Condition(s) 87**

**Item 3-16.1:**

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

6NYCRR 212.10

6NYCRR 228.1

40CFR 63-GGG.1250(a)

**Item 3-16.2:**

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

**Item 3-16.3:**

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

**Item 3-16.4:**

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

**Item 3-16.5:**

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

**Item 3-16.6:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00013

Emission Point: 00175

Regulated Contaminant(s):

CAS No: 0NY998-00-0

VOC

CAS No: 0NY100-00-0

HAP

CAS No: 000075-09-2

DICHLOROMETHANE

**Item 3-16.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A regenerative thermal oxidizer/wet scrubber control system shall be used to control emissions of Hazardous Air Pollutants (HAPs) and Volatile Organic Compounds (VOCs) emitted by the process equipment associated with this emission unit. This system shall provide at least 99% control efficiency or a maximum hourly emission rate of .35 #/hr for HAP emissions (except for Hydrogen Chloride, for which it must provide at least 98% control efficiency), and at least 99% control efficiency for VOC's present in the exhaust stream being controlled, but excluding Methanol (CAS no. 00067-56-1). Previous stack testing indicates that Methanol at the permitted levels (ERP of 2.19 #/hr.) may not be effectively controlled due to the low emission levels, as such no control shall be claimed for this contaminant. The source owner or operator shall perform stack testing once per term and/or at the Department's discretion, to document compliance



with this control efficiency. This is part of the facility-wide plan to demonstrate compliance with HAP's and VOC's caps, and is necessary to mitigate ambient impacts.

The source owner or operator shall notify the Department within 30 days of achieving the maximum (hourly or annual) production and/or emission rates as represented in the permit application, if prior performance testing has not been conducted and approved at this level.

Lower Permit Limit: 99 percent reduction by weight  
Reference Test Method: Methods 18  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2009.  
Subsequent reports are due every 6 calendar month(s).

**Condition 3-17: Capping Monitoring Condition**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Replaces Condition(s) 88**

**Item 3-17.1:**

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

40CFR 63-GGG.1250(a)

**Item 3-17.2:**

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

**Item 3-17.3:**

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

**Item 3-17.4:**

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



**Item 3-17.5:**

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

**Item 3-17.6:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00013

Emission Point: 00175

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 3-17.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

A regenerative thermal oxidizer/wet scrubber control system shall be used to control emissions of Hazardous Air Pollutants (HAP) and Volatile Organic Compounds (VOC) emitted by the process equipment associated with this emission unit. This system shall provide at least 98% control efficiency for Hydrogen Chloride. The source owner or operator shall perform stack testing to document compliance with this 98% control efficiency once per permit term and/or at the Department's discretion. This is part of the facility-wide plan to demonstrate compliance with HAP caps and is necessary to mitigate ambient impacts.

The source owner or operator shall notify the Department within 30 days of achieving the maximum (hourly or annual) production and/or emission rates as represented in the permit application, if prior performance testing has not been conducted and approved at this level.

Lower Permit Limit: 98 percent reduction by weight

Reference Test Method: EPA Method 26

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 3-18: Capping Monitoring Condition**

**Effective between the dates of 06/23/2009 and 06/22/2013**



**Applicable Federal Requirement:6NYCRR 201-7**

**Replaces Condition(s) 89**

**Item 3-18.1:**

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

6NYCRR 227-2

**Item 3-18.2:**

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

**Item 3-18.3:**

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

**Item 3-18.4:**

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

**Item 3-18.5:**

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

**Item 3-18.6:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-00013

Emission Point: 00175

Regulated Contaminant(s):

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

**Item 3-18.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to verify the emission factor of 0.14 pounds per million BTU's, to be used for emissions of Oxides of Nitrogen (NOx) from this emission point, source owner or



operator shall complete a performance test once per permit term and/or at the Department's discretion. This is part of the facility-wide plan to demonstrate compliance with NO<sub>x</sub> caps and is necessary to mitigate ambient impacts.

The source owner or operator shall notify the Department within 30 days of achieving the maximum (hourly or annual) production and/or emission rates as represented in the permit application, if prior performance testing has not been conducted and approved at this level.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.14 pounds per million Btus

Reference Test Method: USEPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 90: Contaminant List  
Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 90.1:**

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

CAS No: 000067-56-1  
Name: METHYL ALCOHOL

CAS No: 000067-64-1



Name: DIMETHYL KETONE

CAS No: 000075-09-2

Name: DICHLOROMETHANE

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 0NY100-00-0

Name: HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

**Condition 91: Unavoidable noncompliance and violations  
Effective between the dates of 06/23/2008 and 06/22/2013**

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

**Item 91.1:**

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 superseded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

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

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

**Condition 92: Air pollution prohibited**  
**Effective between the dates of 06/23/2008 and 06/22/2013**

**Applicable State Requirement:6NYCRR 211.2**

**Item 92.1:**

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

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

**Condition 2-11: Compliance Demonstration**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

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

**Item 2-11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00009



**Item 2-11.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Of the contaminants that may be emitted while performing processes permitted under this emission unit (EU #0-00009), the following non-VOCs are given an environmental rating of "B" per 6 NYCRR 212.9(a) Table 1.

Per 6 NYCRR 212.9(b) Table 2, those with emission rate potentials (ERPs) between 20 and 100 pounds per hour shall have at least 91% control and those with ERPs between 100 and 500 pounds per hour shall have at least 94% control.

1. Methylene Chloride (CAS #00075-09-2)
2. Hydrogen Peroxide (CAS #07722-84-1)

In addition, the following non-VOC contaminants are given an environmental rating of "C" per 6 NYCRR 212.9(a) Table

1. Per 6 NYCRR 212.9(b) Table 2, those with ERPs between 100-500 pounds per hour shall have at least 85% control.

1. 1,1,1-Trichloroethane (CAS #00071-55-6)
2. Acetone (CAS #00067-64-1)

Because facility-wide ambient impacts for each of these contaminants were evaluated based upon all of the process emissions of that contaminant under this emission unit being controlled by vent condensers (ES Nos. 00194-00197) with a maximum outlet temperature specified in Appendix C, version 11-21-08, the owner or operator shall maintain this control when running processes involving these contaminants. The owner or operator shall demonstrate compliance with this temperature based on a 6-hour rolling average.

When product batches are run using these contaminants, the outlet gas temperature of the refrigerated condenser used to control emissions shall be monitored and recorded at least once every 15 minutes, but no less than 4 times during the course of the unit operation for which it is being used. In cases where the condenser outlet gas temperature is not readily measurable due to negligible gas flow rate, the temperature of the condenser coolant may be used in lieu of condenser outlet gas temperature as long as the temperature of the condenser coolant does not exceed the allowable condenser outlet gas temperature specified above.



Hydrogen Peroxide process emissions may also be controlled by scrubbers (ES Nos. 00325-00330) as permitted and specified in Appendix C.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: Appendix C degrees Centigrade (or Celsius)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 2-12: Compliance Demonstration**  
**Effective between the dates of 04/01/2009 and 06/22/2013**

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

**Item 2-12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00009

**Item 2-12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Of the contaminants that may be emitted while performing processes permitted under this emission unit (EU #00009), the following non-VOCs are given an environmental rating of "B" per 6 NYCRR 212.9(a), Table 1:

Ammonia (CAS #07664-41-7)

Hydrogen Peroxide (CAS #07722-84-1)

Hydrogen Bromide (CAS #10035-10-6)

Hydrogen Chloride (CAS #07647-01-0)

Per 6 NYCRR 212.9(b), Table 2, those with emission rate potentials (ERPs) between 20-100 pounds per hour shall have at least 91% control and those with ERPs between 100 and 500 pounds per hour shall have at least 94% control. Because facility-wide ambient impacts for each of these contaminants were evaluated based upon all process emissions of that contaminant under this emission unit being controlled by scrubbers (ES Nos. 00325-00330) to control efficiencies specified in Appendix C, version 11-21-08, the owner or operator shall maintain this control when running processes involving these contaminants.



In order to document the scrubber control efficiencies being achieved, source owner or operator shall maintain records of the following information for each unit operation performed using the above contaminants:

1. All physical data needed to determine the appropriate scrubber liquid composition.
2. The exhaust gas flow rate for the process being controlled by the scrubber.
3. The vapor-to-liquid flow ratio needed to achieve the required control efficiency.
4. The scrubber liquid flow rate maintained during the unit operation. This parameter shall be continuously monitored and recorded (at least once every 15 minutes) for the duration of the unit operation.
5. The calculation method(s) used to determine the above scrubber operating parameters.

Hydrogen Peroxide process emissions may also be controlled by condensers (ES Nos. 00194-00197) as permitted and specified in Appendix C.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 3-19: Compliance Demonstration**  
**Effective between the dates of 06/23/2009 and 06/22/2013**

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

**Item 3-19.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00013

Emission Point: 00175

Process: 022

Regulated Contaminant(s):

CAS No: 000067-64-1

DIMETHYL KETONE

**Item 3-19.2:**

Compliance Demonstration shall include the following monitoring:

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



Monitoring Description:

Of the contaminants that may be emitted while performing processes permitted under this emission unit (EU #00013), Actone (CAS # 00067-64-1), a non-VOC contaminant, is given an environmental rating of "C" per 6 NYCRR 212.9(a) Table 1 and has an emission rate potential (ERP) between 20-100 pounds per hour. Source owner or operator shall provide at least 75% control this contaminant, per 6NYCRR 212.9(a) Table 2.

To assure compliance with the 75% control efficiency requirement for Acetone from processes covered under emission unit 000013, the minimum temperature of the gases exiting the combustion chamber of the Regenerative Thermal Oxidizer (i.e., RTO combustion temperature), while controlling contaminant emissions, shall be 1500 degrees F.

The RTO combustion temperature shall be monitored and recorded at least once every 15 minutes. The temperature monitoring device must be calibrated annually and must be accurate to within plus or minus 0.75 percent of the temperature measured in degrees Celsius or plus or minus 2.5 degrees Celsius, whichever is greater.

The minimum RTO combustion temperature may need to be revised based upon the results of required performance testing.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1500 degrees Fahrenheit

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2009.

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

**Condition 3-20: Compliance Demonstration**

**Effective between the dates of 06/23/2009 and 06/22/2013**

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

**Item 3-20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00013  
Process: 022

Emission Point: 00175

Regulated Contaminant(s):

CAS No: 000067-64-1

DIMETHYL KETONE



**Item 3-20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Of the contaminants that may be emitted while performing processes under this emission unit (EU #0-00013), Acetone (CAS no. 00067-64-1), a non-VOC contaminant, is given an environmental rating of "C" per 6 NYCRR 212.9(a), Table 1.

Per 6 NYCRR 212.9(b) Table 2, "C" rated contaminants with an ERP's between 20 and 100 pounds per hour shall have at least 75% control.

A regenerative thermal oxidizer/wet scrubber control system shall be used to control emissions of Acetone emitted by the process equipment associated with this emission unit. This system shall provide at least 75% control efficiency of Acetone in the exhaust stream being controlled. The source owner or operator shall perform stack testing once per term and/or at the Department's discretion, to demonstrate compliance with this control efficiency requirement.

Parameter Monitored: DIMETHYL KETONE

Lower Permit Limit: 75 percent by weight

Reference Test Method: EPA Method 18

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 11/29/2009.

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

