PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 5-0928-00017/00291
Effective Date: Expiration Date:

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: SCOTT STODDARD
WYETH PHARMACEUTICALS INC
64 MAPLE ST
ROUSES POINT, NY 12979
(518) 297-1269

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 NOx and SO2 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 NOx, 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 though 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 activities process emissions are exhausted through other emission points and not 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: WALTER L HAYNES
DIVISION OF ENVIRONMENTAL PERMITS
232 GOLF COURSE RD PO BOX 220
WARRENSBURG, NY 12885-0220

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

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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

Permit Effective Date: Permit Expiration Date:

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

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
22 6NYCRR 200.6: Compliance Certification
23 6NYCRR 200.6: Compliance Certification
24 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
*30 6NYCRR 201-7: Capping Monitoring Condition
*31 6NYCRR 201-7: Capping Monitoring Condition
*32 6NYCRR 201-7: Capping Monitoring Condition
*33 6NYCRR 201-7: Capping Monitoring Condition
*34 6NYCRR 201-7: Capping Monitoring Condition

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*37 6NYCRR 201-7: Capping Monitoring Condition
*38 6NYCRR 201-7: Capping Monitoring Condition
*39 6NYCRR 201-7: Capping Monitoring Condition
*40 6NYCRR 201-7: Capping Monitoring Condition
41 6NYCRR 212.4(a): Compliance Certification
42 6NYCRR 212.4(a): Compliance Certification
43 6NYCRR 212.4(a): Compliance Certification
44 6NYCRR 212.4(a): Compliance Certification
45 6NYCRR 212.4(a): Compliance Certification
46 6NYCRR 212.4(a): Compliance Certification
47 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
49 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: Enforceablity.
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

70 6NYCRR 201-6.5: Compliance Certification
*71 6NYCRR 201-7: Capping Monitoring Condition
72 6NYCRR 212.4(a): Compliance Certification
73 6NYCRR 212.4(a): Compliance Certification
74 6NYCRR 233.3(a)(1): Compliance Certification
75 6NYCRR 233.3(a)(1): Compliance Certification
76 6NYCRR 233.3(a)(1): Compliance Certification
77 6NYCRR 233.3(a)(1): Compliance Certification
78 6NYCRR 233.3(a)(1): Compliance Certification
79 6NYCRR 233.3(f): Compliance Certification
80 6NYCRR 233.5(a): Compliance Certification
81 6NYCRR 233.5(b): Compliance Certification

EU=0-00009,EP=00144

82 6NYCRR 200.6: Compliance Certification
83 6NYCRR 200.6: Compliance Certification
84 6NYCRR 200.6: Compliance Certification

EU=0-00013

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

EU=0-00013,EP=00175

*87 6NYCRR 201-7: Capping Monitoring Condition
*88 6NYCRR 201-7: Capping Monitoring Condition
*89 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

93 6NYCRR 212.4(a): Compliance Demonstration
94 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 - 6NYCRR 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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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

Condition 6: Compliance Certification
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 22: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.6

Item 22.1:
The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000067-66-3	CHLOROFORM
CAS No: 007726-95-6	BROMINE
CAS No: 010294-34-5	BORANE, TRICHLORO

Item 22.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
To prevent potential short-term ambient impact problems, a unit process using Boron Trichloride (CAS #10294-34-5), Chloroform (CAS #00067-66-3) or Bromine (CAS #07726-95-6) shall not be run simultaneously with any other unit process using Boron Trichloride, Chloroform or Bromine, respectively. A record shall be maintained of each unit process run using each of these contaminants and the time period during which it was run.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 23: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.6

Item 23.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 23.2:
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:
00003/00002; 00005/00004; 00007/00006;
00009/00008; 00011/00010; 00016,
00015/00014; 00025/00024; 00059,
00058/00057; 00083/00081, 00082; 00142,
00141/00140; 00147/00146; 00166/00165;
00168/00167; 00174/00173; 00213,
00212/00211; 00401, 00226/00400, 00225;
00228/00227; 00242, 00241/00240; 00248,
00247/00246; 00264/00262, 00263, 00398,
00399; 00266/00265; 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; 00311,312/00334;
00314,00315/00313; 00371, 00372/00370;
00368, 00369/00367; 00373/00386

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/repaired, and what the maintenance/repair consisted of shall be kept on site and provided to NYSDEC or USEPA representative upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 24: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.6

Item 24.1:
The Compliance Certification activity will be performed for the Facility.

Item 24.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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 36.

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.

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

Condition 25: Compliance Certification
Effective for entire length of Permit

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

Condition 26: Emission Unit Definition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6

Item 26.1:
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 26.2:
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 26.3:
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 26.4:
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 26.5:
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
32

Item 26.6:
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 26.7:
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 26.8:
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 though 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
40

Item 26.9:
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

Item 26.10:
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): 36A

Condition 27: Compliance Certification
Effective for entire length of Permit

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 4/30/2008.
Subsequent reports are due on the same day each year

Condition 28: Compliance Certification
Effective for entire length of Permit

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 for entire length of Permit

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:

CAS No: 000067-56-1 PTE: 19,000 pounds per year
Name: METHYL ALCOHOL

CAS No: 000075-09-2 PTE: 19,000 pounds per year
Name: DICHLOROMETHANE

CAS No: 007446-09-5 PTE: 198,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 007647-01-0 PTE: 19,000 pounds per year
Name: HYDROGEN CHLORIDE

CAS No: 0NY100-00-0 PTE: 49,000 pounds per year
Name: HAP

CAS No: 0NY210-00-0 PTE: 198,000 pounds per year
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0 PTE: 98,000 pounds per year
Name: VOC

Condition 30: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-7

Item 30.1:
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 30.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 30.3:
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 30.4:
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 30.5:
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 30.6:
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 30.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
As part of the facility-wide plan to demonstrate compliance with the 49 ton per year VOC cap, the VOC control equipment used for this source shall achieve at least 90% control of VOC.

Per 6NYCRR, Subpart 202-1, in order to document compliance with this control efficiency, the source owner shall submit an acceptable report of measured emissions within 90-days of this permit renewal or upon equipment startup, and once per permit term thereafter.

Lower Permit Limit: 90 percent reduction by weight
Reference Test Method: USEPA Method 25
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 31: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-7

Item 31.1:
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 31.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 31.3:
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 31.4:
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 31.5:
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 31.6:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00013
Process: 022 Emission Source: M0362

Emission Unit: 0-00013
Process: 022 Emission Source: M0363

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 31.7:
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, 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 required 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.
Subsequent reports are due every 6 calendar month(s).

Condition 32: Capping Monitoring Condition
Effective for entire length of Permit

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 SO2 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 SO2 emitted monthly, as well as each consecutive 12 month total. Emissions from all sources emitting SO2, 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 SO2 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.
Subsequent reports are due every 6 calendar month(s).

Condition 33: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-7

Item 33.1:
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 33.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 33.3:
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 33.4:
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 33.5:
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 33.6:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00013
Process: 022 Emission Source: M0360

Emission Unit: 0-00013
Process: 022 Emission Source: M0361

Regulated Contaminant(s):
CAS No: 000075-09-2 DICHLOROMETHANE
CAS No: 0NY998-00-0 VOC
CAS No: 000067-56-1 METHYL ALCOHOL

Item 33.7:
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, Methylene Chloride and Methanol 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: 24 HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 34: Capping Monitoring Condition
Effective for entire length of Permit

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.

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

Condition 35: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-7

Item 35.1:
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 35.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 35.3:
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 35.4:
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 35.5:
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 35.6:
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 35.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

As part of the facility-wide plan to demonstrate compliance with the 49 ton per year VOC cap, the emission control equipment used to control VOCs from these sources shall achieve at least 90% control.

To demonstrate compliance the owner or operator shall maintain a minimum 1-hr average scrubber flow rate, while the process is in operation, at levels established during the most recent VOC performance test.

Source owner or operator shall identify in monitoring reports the 1-hr average scrubber flow rate which compliance was demonstrated during the stack test and any deviations above this limit.

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

Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Capping Monitoring Condition
Effective for entire length of Permit

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 NOx emissions are limited to no more than 99 tons (198,000 pounds) during any consecutive 12 month period. This caps NOx 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 NOx emitted monthly, as well as each consecutive twelve month total. Emissions from all sources emitting NOx, 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 NOx 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.
Subsequent reports are due every 6 calendar month(s).

Condition 37: Capping Monitoring Condition
Effective for entire length of Permit

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

Condition 38: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-7

Item 38.1:
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 38.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 38.3:
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 38.4:
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 38.5:
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 38.6:
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 38.7:
Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

A. NOx and SO2 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 -

NOx (lbs/month) = 1.575E-4 x NG
SO2 (lbs/month) = 6.0E-7 x NG

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

For 0.5% Sulfur No. 2 Fuel Oil Combustion -

NOx (lbs/month) = 2.0E-7 x BTU x FO
SO2 (lbs/month) = 0.02 x WPS x FO x 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 NOx and SO2 from the Regenerative Thermal Oxidizer/Caustic Scrubber control system (RTO/Scrubber, EU No. 000013) shall be calculated as follows:

NOx (lbs/month) = 1.428E-4 x NG
SO2 (lbs/month) = 6.0E-7 x NG

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

C. Emissions of VOC, HAP (speciated and combined), NOx and/or SO2 from process sources shall be calculated on a batch by batch basis (except for NOx and SO2 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, NOx and/or SO2, 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.

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), NOx and SO2 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), NOx and/or SO2 emissions resulting from the processing of the batches;

5) the number of pounds of VOC, HAP (speciated and combined), NOx and/or SO2 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), NOx and SO2 emissions were calculated (for batchwise and other processes/operations);

13) the number of tons of VOC, HAP (speciated and combined), NOx and SO2 emitted from all processes/operations at the facility for the month; and

14) a running twelve month total for VOC, HAP (speciated and combined), NOx and SO2 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.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-7

Item 39.1:
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 39.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 39.3:
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 39.4:
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 39.5:
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 39.6:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00013
Process: 022 Emission Source: M0362

Emission Unit: 0-00013
Process: 022 Emission Source: M0363

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 39.7:
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, the pH of the scrubbing solution shall be a minimum of 6.5 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 required 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: 6.5 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.
Subsequent reports are due every 6 calendar month(s).

Condition 40: Capping Monitoring Condition
Effective for entire length of Permit

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

Condition 41: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(a)

Item 41.1:
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: 006 Emission Source: 00016

Emission Unit: 0-00003
Process: 004 Emission Source: 00242

Emission Unit: 0-00003
Process: 004 Emission Source: 00248

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: 0-00004
Process: 007 Emission Source: 00377

Emission Unit: 0-00004
Process: 007 Emission Source: 00378

Emission Unit: 0-00005
Process: 009 Emission Source: 00261

Emission Unit: 0-00005
Process: 009 Emission Source: 00130

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: 0-00006
Process: 011 Emission Source: 00312

Emission Unit: 0-00006
Process: 011 Emission Source: 00315

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: 006 Emission Source: 00401

Item 41.2:
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 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, 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; 00166/00165; 00226, 00401/00225; 00242, 00241/00240; 00248, 00247/00246; 00391, 00392/00390; 00394/00393
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; 00311, 00312/00334; 00314, 00315/00313
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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective for entire length of Permit

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 6NCYRR, 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 once per permit term.

After testing, if compliance with this limit can not be determined because of 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 and before the end

of the permit term.

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

Condition 43: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(a)

Item 43.1:
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: 006 Emission Source: 00016

Emission Unit: 0-00003
Process: 004 Emission Source: 00242

Emission Unit: 0-00003
Process: 004 Emission Source: 00248

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: 0-00004
Process: 007 Emission Source: 00377

Emission Unit: 0-00004
Process: 007 Emission Source: 00378

Emission Unit: 0-00005
Process: 009 Emission Source: 00261

Emission Unit: 0-00005
Process: 009 Emission Source: 00130

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: 0-00006
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: 0-00006
Process: 011 Emission Source: 00312

Emission Unit: 0-00006
Process: 011 Emission Source: 00315

Emission Unit: 0-00003
Process: 006 Emission Source: 00401

Item 43.2:
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 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, 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; 00226, 00401/00225; 00242, 00241/00240; 00248, 00247/00246; 00391, 00392/00390; 00394/00393
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; 00311, 00312/00334; 00314, 00315/00313
EU #0-00013: M0090, M0331/M0089; M0220, M0341/M0219; M0338, M0337/M332, M0333, M0334; M0348, M0347/M0342, M0343, M0344

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

Condition 44: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(a)

Item 44.1:
The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00003 Emission Point: 00167
Process: 006 Emission Source: 00264

Emission Unit: 0-00004 Emission Point: 00106
Process: 007 Emission Source: 00124

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

Item 44.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
These emission control sources 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, these emission control sources shall achieve a minimum particulate control efficiency of 99.9%.

Per 6NCYRR, 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 and at the Department's discretion thereafter.

After testing, if compliance with this limit can not be determined because of 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.

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

Condition 45: Compliance Certification

Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(a)

Item 45.1:
The Compliance Certification activity will be performed for the Facility.

Item 45.2:
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 matter (API), 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; 00226, 00401/00225; 00242,
00241/00240; 00248, 00247/00246; 00391,
00392/00390; 00394/00393
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; 00311,
00312/00334; 00314, 00315/00313
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: 00003/00002; 00009/00008;
00011/00010; 00174/00173; 00228/00227;
00264/00262, 00263, 00399;
00266/00265
EU # 0-00004: 00124/00095, 00096, 00102,
00107, 00108

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

Condition 46: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(a)

Item 46.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00003	Emission Point: 00167
Emission Unit: 0-00002	Emission Point: 00179
Emission Unit: 0-00004	Emission Point: 00106
Emission Unit: 0-00003	Emission Point: 00017
Emission Unit: 0-00003	Emission Point: 00009
Emission Unit: 0-00003	Emission Point: 00016
Emission Unit: 0-00003	Emission Point: 00143
Emission Unit: 0-00003	Emission Point: 00157
Emission Unit: 0-00003	Emission Point: 00168

Item 46.2:
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 matter (API), 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.

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

Condition 47: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 47.1:
The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00003

Emission Unit: 0-00004

Emission Unit: 0-00005

Emission Unit: 0-00006

Emission Unit: 0-00013

Emission Unit: 0-00002

Item 47.2:
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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Capped sources of VOC and NOx not subject to 212.9(b) for non A-rated contaminants
Effective for entire length of Permit

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 49: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.6(a)

Item 49.1:
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 49.2:
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 theses instances.

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

Condition 50: Compliance Certification
Effective for entire length of Permit

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

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

Condition 51: Emission Point Definition By Emission Unit
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6

Item 51.1:
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 51.2:

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

Emission Point: 00179
Height (ft.): 58 Diameter (in.): 20
NYTMN (km.): 4982.954 NYTME (km.): 628.269 Building: 23

Item 51.3:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 0-00003

Emission Point: 00009
Height (ft.): 35 Diameter (in.): 12
NYTMN (km.): 4982.98 NYTME (km.): 628.555 Building: 14

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: 00016
Height (ft.): 29 Diameter (in.): 8
NYTMN (km.): 4982.986 NYTME (km.): 628.554 Building: 14

Emission Point: 00017
Height (ft.): 29 Diameter (in.): 14
NYTMN (km.): 4982.986 NYTME (km.): 628.562 Building: 14

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: 00143
Height (ft.): 44 Diameter (in.): 4
NYTMN (km.): 4982.926 NYTME (km.): 628.456 Building: 27

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: 00157
Height (ft.): 48 Diameter (in.): 4
NYTMN (km.): 4983.073 NYTME (km.): 628.459 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: 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: 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

Item 51.4:
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

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 51.5:
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 51.6:
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: 00173
Height (ft.): 48 Diameter (in.): 8
NYTMN (km.): 4983.133 NYTME (km.): 628.64 Building: 21

Emission Point: 00174
Height (ft.): 48 Diameter (in.): 8
NYTMN (km.): 4983.147 NYTME (km.): 628.627 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 51.7:
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 51.8:
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 51.9:
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 51.10:
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

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 for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6

Item 52.1:
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 52.2:
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 52.3:

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
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 00126 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00164 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00374 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00026 - Process

Emission Source/Control: 00049 - Process

Emission Source/Control: 00051 - Process

Emission Source/Control: 00125 - Process

Emission Source/Control: 00161 - Process

Emission Source/Control: 00163 - Process

Item 52.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00003
Process: 004 Source Classification Code: 3-01-060-08
Process Description:
Tablet coating solution area production exhaust system.
Additional building no. 18 and 27.

Emission Source/Control: 00141 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00142 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00212 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00213 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00241 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00242 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00247 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00248 - 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 52.5:
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: 00003 - Control
Control Type: FABRIC FILTER

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

Emission Source/Control: 00009 - 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: 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 52.6:
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: 00011 - 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: 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 52.7:
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 52.8:
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.
Additional buildings nos. 14 & 21.

Emission Source/Control: 00156 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00155 - Process

Emission Source/Control: 00169 - Process

Emission Source/Control: 00258 - Process

Item 52.9:
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 52.10:
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 pharaceutical 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: 00311 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00312 - 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: 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: 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 52.11:
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 52.12:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00006
Process: 013 Source Classification Code: 3-01-060-11
Process Description:
Tablet coating pans used for coating formed pharmaceutical products. Additional building no. 32.

Emission Source/Control: 00154 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00127 - Process

Emission Source/Control: 00153 - Process

Item 52.13:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00006
Process: 014 Source Classification Code: 3-01-060-11
Process Description:
Accela cota coating pans used for coating of formed pharmaceutical products. Additional building nos. 32 and 18.

Emission Source/Control: 00076 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00077 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00144 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00145 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: 00368 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00369 - Control
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 52.14:
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 52.15:
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 52.16:
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 52.17:
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 52.18:
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 52.19:
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 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 52.20:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 0-00011
Process: 019 Source Classification Code: 4-07-080-97
Process Description:
Expansion tank for silicone oil heat transfer media.

Emission Source/Control: 00069 - Process

Item 52.21:
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 52.22:
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

Condition 53: Exemption from the averaging period.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.42c(h), NSPS Subpart Dc

Item 53.1:
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 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: Enforceablity.
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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

Condition 57: Compliance Certification
Effective for entire length of Permit

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

Condition 58: Compliance Certification
Effective for entire length of Permit

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

Condition 59: Compliance Certification
Effective for entire length of Permit

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

Condition 60: Emissions from new emission sources and/or modifications
Effective for entire length of Permit

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 for entire length of Permit

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

Condition 62: Compliance Certification
Effective for entire length of Permit

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

Condition 63: Compliance Certification
Effective for entire length of Permit

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

Condition 64: Compliance Certification
Effective for entire length of Permit

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

Condition 65: Compliance Certification
Effective for entire length of Permit

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 for entire length of Permit

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

Condition 67: Compliance Certification
Effective for entire length of Permit

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

Condition 68: Compliance Certification
Effective for entire length of Permit

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

Condition 69: Compliance Certification
Effective for entire length of Permit

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

Condition 70: Compliance Certification
Effective for entire length of Permit

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 6NCYRR

201-6.5(a)(2).

1. Within four (4) months following the proper execution of this Orderon Consent, the pemittee 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.
Subsequent reports are due every 6 calendar month(s).

Condition 71: Capping Monitoring Condition
Effective for entire length of Permit

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

Condition 72: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(a)

Item 72.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Item 72.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Of the contaminants that may be emitted while performing the processes permitted under this emission unit (EU #0-00009), the following are given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1:

1. Bromine (CAS #07726-95-6)
2. Chlorine (CAS #07782-50-5)
3. Methyl Hydrazine (CAS #00060-34-4)
4. Hydrazine (CAS #00302-01-2)
5. Methylamine (40% solution - CAS #00074-89-5)

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) and those with ERP's less than 1 pound per hour shall have the degree of air cleaning specified by the Commissioner. All of the above contaminants, except for Hydrazine, have ERP's greater than 1 pound per hour, and shall have the required 99% control or greater. This degree of control will be achieved using scrubbers

(ES Nos. 00325-00330). The required degree of control for Hydrazine shall also be 99% control via the scrubbers (ES Nos. 00325-00330).

In order to document the 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 73: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 212.4(a)

Item 73.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Item 73.2:
Compliance Certification 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 the processes permitted under this emission unit (EU #0-00009), the following 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), and those with ERP's less than 1 pound per hour shall have the degree of air cleaning specified by the Commissioner. For these processes, the source owner or operator shall use vent condensers (ES Nos. 00194-00197) with a maximum outlet temperature of -25 degrees C to control emissions of these contaminants. This is considered BACT and satisfies the degree of control required by the commissioner in this case:

1. 1,2-Dibromoethane (CAS #00106-93-4)
2. 2-Chloroacetonitrile (CAS #00107-14-2)
3. 2-Chloropyridene (CAS #00109-09-1)
4. 4-Bromobutyronitrile (CAS #05332-06-9)
5. 4-Penten-2-ol (CAS #00625-31-0)
6. Allyl Alcohol (CAS #00107-18-6)
7. Allyl Isocyanate (CAS #01476-23-9)
8. Aniline (CAS #00062-53-3)
9. Benzyl Chloride (CAS #00100-44-7)
10. Boron Trifluoride Etherate (CAS #00109-63-7)
11. Cyclohexane Carbonyl Chloride (CAS #02719-27-9)
12. Cyclopentyl Chloride (CAS #00930-28-9)
13. Di-t-Butyldicarbonate (CAS #24424-99-5)
14. Diethyl-2-acetyl Glutarate (CAS #01501-06-0)
15. Diethyl Azodicarboxylate (CAS #01972-28-7)
16. Diethyl Squarate (05231-87-8)
17. Diethyl Chlorophosphate (CAS #00814-49-3)
18. Diethyl Vinylphosphonate (CAS #00682-30-4)
19. Dimethyl Malonate (CAS #00108-59-8)
20. Dimethyl Sulfate (CAS #00077-78-1)
21. Dimethyl Phenyl Isocyanate (CAS #28556-81-2)
22. Ethanethiol (CAS #00075-08-1)
23. Formaldehyde (CAS #00050-00-0)
24. Hexamethylene Imine (CAS #00111-49-9)
25. Hexyl Isocyanate (CAS #02525-62-4)
26. Indoline (CAS #00496-15-1)
27. Isobutyl Chloroformate (CAS #00543-27-1)
28. p-Methoxyphenylacetonitrile (CAS #00104-47-2)
29. Peracetic Acid (CAS #00079-21-0)
30. Phosphorous Oxychloride (CAS #10025-87-3)
31. Propionyl Chloride (CAS #00079-03-8)
32. Trimethylene Chlorobromide (CAS #00109-70-6)

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.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: -25 degrees Centigrade (or Celsius)
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.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 233.3(a)(1)

Item 74.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

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

Item 74.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Any synthesized pharmaceutical manufacturing process performed for production purposes (i.e., not for research & development), having an emission rate potential for VOC greater than 15 pounds per day, must control VOC emissions from reactors, extractors, distillation operations, crystallizers, centrifuges, and/or vacuum dryers using surface condensers as follows:

If the vapor pressure of the VOC involved is greater than 1.5 psi at 20 degrees C, the condenser outlet temperature must not exceed 0 degrees C (except where a lower condenser outlet temperature is specified elsewhere in this permit).

If the operation of a condenser at the exit temperature specified above results in freezing and consequent plugging of the condenser, the allowable exit temperature may be raised to a maximum of 2 degrees C above the freezing point of the VOC.

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 outlet gas temperature (or coolant temperature as noted above) 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. The monitoring device must be calibrated quarterly and must be operated at all times that the associated condenser is operating.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 0 degrees Centigrade (or Celsius)
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.
Subsequent reports are due every 6 calendar month(s).

Condition 75: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 233.3(a)(1)

Item 75.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

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

Item 75.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Any synthesized pharmaceutical manufacturing process performed for production purposes (i.e., not for research & development), having an emission rate potential for VOC greater than 15 pounds per day, must control VOC emissions from reactors, extractors, distillation operations, crystallizers, centrifuges, and/or vacuum dryers using surface condensers as follows:

If the vapor pressure of the VOC involved is greater than 1.0 psi at 20 degrees C, the condenser outlet temperature must not exceed 10 degrees C (except where a lower condenser outlet temperature is specified elsewhere in this permit).

If the operation of a condenser at the exit temperature specified above results in freezing and consequent plugging of the condenser, the allowable exit temperature may be raised to a maximum of 2 degrees C above the freezing point of the VOC.

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 outlet gas temperature (or coolant temperature as noted above) 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. The monitoring device must be calibrated quarterly and must be operated at all times that the associated condenser is operating.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 10 degrees Centigrade (or Celsius)
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.
Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 233.3(a)(1)

Item 76.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

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

Item 76.2:

Compliance Certification shall include the following monitoring:

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

Any synthesized pharmaceutical manufacturing process performed for production purposes (i.e., not for research & development), having an emission rate potential for VOC greater than 15 pounds per day, must control VOC emissions from reactors, extractors, distillation operations, crystallizers, centrifuges, and/or vacuum dryers using surface condensers as follows:

If the vapor pressure of the VOC involved is greater than 0.5 psi at 20 degrees C, the condenser outlet temperature must not exceed 25 degrees C (except where a lower condenser outlet temperature is specified elsewhere in this permit).

If the operation of a condenser at the exit temperature specified above results in freezing and consequent plugging of the condenser, the allowable exit temperature may be raised to a maximum of 2 degrees C above the freezing point of the VOC.

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 outlet gas temperature (or coolant temperature as noted above) 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. The monitoring device must be calibrated quarterly and must be operated at all times that the associated condenser is operating.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 25 degrees Centigrade (or Celsius)
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.
Subsequent reports are due every 6 calendar month(s).

Condition 77: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 233.3(a)(1)

Item 77.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

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

Item 77.2:
Compliance Certification shall include the following monitoring:

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

Any synthesized pharmaceutical manufacturing process performed for production purposes (i.e., not for research & development), having an emission rate potential for VOC greater than 15 pounds per day, must control VOC emissions from reactors, extractors, distillation operations, crystallizers, centrifuges, and/or vacuum dryers using surface condensers as follows:

If the vapor pressure of the VOC involved is greater than 5.8 psi at 20 degrees C, the condenser outlet temperature must not exceed -25 degrees C.

If the operation of a condenser at the exit temperature specified above results in freezing and consequent plugging of the condenser, the allowable exit temperature may be raised to a maximum of 2 degrees C above the freezing point of the VOC.

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 outlet gas temperature (or coolant temperature as noted above) 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. The monitoring device must be calibrated quarterly and must be operated at all times that the associated condenser is operating.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: -25 degrees Centigrade (or Celsius)

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

Condition 78: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 233.3(a)(1)

Item 78.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

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

Item 78.2:
Compliance Certification shall include the following monitoring:

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

Any synthesized pharmaceutical manufacturing process performed for production purposes (i.e., not for research & development), having an emission rate potential for VOC greater than 15 pounds per day, must control VOC emissions from reactors, extractors, distillation operations, crystallizers, centrifuges, and/or vacuum dryers using surface condensers as follows:

If the vapor pressure of the VOC involved is greater than 2.9 psi at 20 degrees C, the condenser outlet temperature must not exceed -15 degrees C (except where a lower condenser outlet temperature is specified elsewhere in this permit).

If the operation of a condenser at the exit temperature specified above results in freezing and consequent plugging of the condenser, the allowable exit temperature may be raised to a maximum of 2 degrees C above the freezing point of the VOC.

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 outlet gas temperature (or coolant temperature as noted above) 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. The monitoring device must be calibrated quarterly and must be operated at all times that the associated condenser is operating.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: -15 degrees Centigrade (or Celsius)
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.
Subsequent reports are due every 6 calendar month(s).

Condition 79: Compliance Certification
Effective for entire length of Permit

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

Condition 80: Compliance Certification
Effective for entire length of Permit

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

Condition 81: Compliance Certification
Effective for entire length of Permit

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

Condition 82: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.6

Item 82.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009 Emission Point: 00144

Item 82.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

To mitigate annual ambient air impacts, the total number of batches produced, using the contaminants specified

below, during any consecutive twelve month period (rolled monthly) shall be limited as specified in the attached Table entitled "Emission Unit No. 0-00009, Batch Restrictions for Contaminants with Potential Annual Ambient Impact Exceedences, 6-12-2001 version":

1,2-Dibromoethane (CAS #00106-93-4)
2-Chloroacetonitrile (CAS #00107-14-2)
Acetaldehyde (CAS #00075-07-0)
Chlorine (CAS #07782-50-5)
Chloroform (CAS #00067-66-3)
Cyclopentyl Chloride (CAS #00930-28-9)
Ethylene Dichloride (CAS #00107-06-2)
Hydrazine (CAS #00302-01-2)
Methylene Chloride (CAS #00075-09-2)
Bromine (CAS #07726-95-6)
Toluene (CAS #00108-88-3)

A written record of the number of above-referenced batches processed shall be maintained by the source owner. 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: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.6

Item 83.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009 Emission Point: 00144

Item 83.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
To mitigate ambient air impacts, the source owner or operator shall use vent condensers with a maximum outlet temperature of -25 degrees C to control emissions of the following contaminants:

1. 1,2-Dimethoxyethane (CAS #00110-71-4)

2. 1-Methyl Piperazine (CAS #00109-01-3)
3. 2-Methoxy Ethanol (CAS #00109-86-4)
4. 2-Methoxy Ethyl Ether (CAS #00111-96-6)
5. 3-Amino-1-Propanol (CAS #00156-87-6)
6. Acetic Acid (CAS #00064-19-7)
7. Acetonitrile (CAS #00075-05-8)
8. Benzyl Bromide (CAS #00100-39-0)
9. Bromotrimethylsilane (CAS #02857-97-8)
10. Cyclopentyl Bromide (CAS #00137-43-9)
11. Diethyl Phosphite (CAS #00762-04-9)
12. Diisopropylamine (CAS #00108-18-9)
13. Diisopropylethylamine (CAS #07087-68-5)
14. Dimethyl Formamide Dimethyl Acetal (CAS #04637-24-5)
15. Dioxane (CAS #00123-91-1)
16. Formic Acid (CAS #00064-18-6)
17. Isopropyl Amine (CAS #00075-31-0)
18. Methyl Formate (CAS #00107-31-3)
19. Methyl Iodide (CAS #00074-88-4)
20. Methyl-2-propionyl Acetate (CAS #30414-53-0)
21. N,N-Dimethylethylamine (CAS #00598-56-1)
22. N-Hexylamine (CAS #00111-26-2)
23. t-Butyl Chloroacetate (CAS #00107-59-5)
24. Trichloroethylene (CAS #00079-01-6)
25. Triethylamine (CAS #00121-44-8)
26. Trifluoroacetic Acid (CAS #00076-05-1)
27. Cyclohexanone (CAS #00108-94-1)
28. Ethanol (CAS #00064-17-5)
29. Hexane (CAS #00110-54-3)
30. Isopropyl Alcohol (CAS #00067-63-0)
31. Methanol (CAS #00067-56-1)
32. Tetrahydrofuran (CAS #00109-99-9)
33. Xylene (CAS #01330-20-7)

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.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: -25 degrees Centigrade (or Celsius)
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.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.6

Item 84.1:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00009 Emission Point: 00144

Item 84.2:
Compliance Certification shall include the following monitoring:

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

For all contaminants except for Chlorine, Bromine and Hydrazine (which are controlled to 99% via scrubbers), the batch limitations specified in the attached Table entitled "Emission Unit No. 0-00009, Batch Restrictions for Contaminants with Potential Annual Ambient Impact Exceedences, 6-12-2001 version" are based upon emissions calculated using a vent condenser exit temperature of -25 degrees C. Therefore, this condenser exit temperature shall not be exceeded when running processes involving those contaminants (i.e., all those in the Table except for Chlorine, Bromine and Hydrazine).

The 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. 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.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: -25 degrees Centigrade (or Celsius)
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.
Subsequent reports are due every 6 calendar month(s).

Condition 85: Compliance Certification
Effective for entire length of Permit

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

Condition 86: Compliance Certification
Effective for entire length of Permit

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.

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

Condition 87: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-7

Item 87.1:
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 87.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 87.3:
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 87.4:
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 87.5:
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 87.6:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00013 Emission Point: 00175

Regulated Contaminant(s):

CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 0NY998-00-0	VOC
CAS No: 0NY100-00-0	HAP
CAS No: 000075-09-2	DICHLOROMETHANE

Item 87.7:
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 99% control efficiency for HAP's (except for Hydrogen Chloride, for which it must provide at least 98% control efficiency) and total VOC present in the exhaust stream being controlled. The source owner or operator shall perform stack testing at the Department's discretion, but not less than once per term, to document compliance with this 99% control efficiency. This is part of the facility-wide plan to demonstrate compliance with HAP caps and is necessary to mitigate ambient impacts.

Lower Permit Limit: 99 percent reduction by weight
Reference Test Method: Methods 18, 25, 308
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 88: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-7

Item 88.1:
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 88.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 88.3:
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 88.4:
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 88.5:
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 88.6:
The Compliance Certification activity will be performed for:

Emission Unit: 0-00013 Emission Point: 00175

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 88.7:
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. Within 30 days of permit issuance, and once each permit term thereafter, the source owner or operator shall perform stack testing to document compliance with this 98% control efficiency. This is part of the facility-wide plan to demonstrate compliance with HAP caps and is necessary to mitigate ambient impacts.

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

Condition 89: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-7

Item 89.1:
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 89.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 89.3:
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 89.4:
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 89.5:
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 89.6:
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 89.7:
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 within 180 days of this permit renewal, and once per term thereafter. This is part of the facility-wide plan to demonstrate compliance with NOx caps and is necessary to mitigate ambient impacts.

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.
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 for entire length of Permit

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: 010294-34-5
Name: BORANE, TRICHLORO

CAS No: 007726-95-6

Name: BROMINE

CAS No: 000067-66-3
Name: CHLOROFORM

CAS No: 000075-09-2
Name: DICHLOROMETHANE

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

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 000067-56-1
Name: METHYL ALCOHOL

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

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

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

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

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

Condition 91: Unavoidable noncompliance and violations
Effective for entire length of Permit

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 superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

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

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

Condition 92: Air pollution prohibited
Effective for entire length of Permit

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 93: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6NYCRR 212.4(a)

Item 93.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00009

Item 93.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Of the contaminants that may be emitted while performing the processes permitted under this emission unit (EU #0-00009), the following non-VOC's are given an environmental rating of "B" per 6 NYCRR 212.9(a) Table 1:

1. Ammonia (CAS #07664-41-7)
2. Boron Trichloride (CAS #10294-34-5)
3. Hydrogen Bromide (CAS #10035-10-6)
4. Hydrogen Chloride (CAS #07647-01-0)

Per 6 NYCRR 212.9(b) Table 2, those with emission rate potentials (ERP's) between 10 and 20 pounds per hour shall have at least 90% control, those with ERP's between 20 and 100 pounds per hour shall have at least 91% control and those with ERP's between 100 and 500 pounds per hour shall have at least 94% control. The control efficiencies required for the above contaminants under 6 NYCRR 212.9(b) Table 2 are as follows:

1. Ammonia - 91%
2. Boron Trichloride - 90%
3. Hydrogen Bromide - 94%
4. Hydrogen Chloride - 91%

Boron Trichloride and Hydrogen Chloride, however, require further control in order to mitigate potential adverse ambient impacts. Per 6 NYCRR 200.6, these contaminants shall have at least 99% control for this reason.

Control of all contaminants noted above shall be achieved using scrubbers (ES Nos. 00325-00330).

In order to document the 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 94: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6NYCRR 212.4(a)

Item 94.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00009

Item 94.2:
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-VOC contaminants are given an environmental rating of "C" per 6 NYCRR 212.9(a) Table 1 and have emission rate potentials (ERP's) between 100-500 pounds per hour. Source owner shall provide at least 85% control for these contaminants, per 6 NYCRR 212.9(b) Table 2. Because facility-wide ambient impacts for these contaminants were evaluated based upon all of the process emissions under this emission unit being controlled by vent condensers (ES Nos. 00194-00197) with a maximum outlet temperature of -25 degrees C, source owner shall maintain this control when running processes involving these contaminants:

1. 1,1,1-Trichloroethane (CAS #00071-55-6)
2. Acetone (CAS #00067-64-1)

This will ensure at least 85% control of these contaminants, and will provide assurance that their facility-wide impacts will not exceed their respective ambient guideline concentrations as a result of emissions from this emission unit.

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.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: -25 degrees Centigrade (or Celsius)
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.
Subsequent reports are due every 6 calendar month(s).