

New York State Department of Environmental Conservation
Facility DEC ID: 5092800017



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 5-0928-00017/00291
Mod 0 Effective Date: 11/13/2001 Expiration Date: 11/12/2006
Mod 1 Effective Date: 09/16/2002 Expiration Date: 11/12/2006
Mod 2 Effective Date: 08/01/2005 Expiration Date: 11/12/2006
Mod 3 Effective Date: 05/31/2005 Expiration Date: No expiration date.
Mod 5 Effective Date: 02/08/2006 Expiration Date: 11/12/2006
Mod 6 Effective Date: 10/02/2006 Expiration Date: 11/12/2006
Mod 7 Effective Date: 10/16/2006 Expiration Date: 11/12/2006

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
64 MAPLE STREET
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 NO_x 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 NO_x, and 40 CFR 52, Federal Prevention of Significant Deterioration of Air Quality (PSD) do not



New York State Department of Environmental Conservation
Facility DEC ID: 5092800017

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). 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 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



New York State Department of Environmental Conservation
Facility DEC ID: 5092800017

storing one of the following chemicals: acetone; methanol; isopropanol; or toluene. This unit also contains three (3) hazardous waste tanks which store waste acetone and mixed solvents. Since these tanks may, at times, be associated with synthesized pharmaceutical manufacturing processes, the control requirements for storage tanks and the leak requirements under 6 NYCRR Part 233 apply. In addition, these tanks are subject to a single recordkeeping requirement under 40 CFR 60, Subpart Kb [60.116b(b)], but none of the other requirements contained in that regulation.

Emission Unit No. 0-00009 - This Emission Unit covers sources associated with the Chemical Development Pilot Plant. It consists of reactor series with both atmospheric and vacuum operations, centrifuge, and tray dryers vented to 1 of 4 types of vapor condensers and/or a process scrubber. Emissions from all processes (PR ID's 017, 17B, 17C, 021 and 21B) are vented primarily through the GEP stack (EP 00144). However, process scrubbers (ES Nos. 00325-00330) may, in some instances be vented through individual non-GEP stacks (EP Nos. 00062, 00063, 00073, 00091, 00093 and 00096) provided they meet all applicable regulatory requirements while doing so. The unit also contains a wastewater treatment system consisting of pH neutralization and steam stripping unit operations emitted through EP No. 00144. The sources in this emission unit are regulated under 6 NYCRR Parts 200, 212 and 233. The applicable requirements depend primarily upon whether the equipment is being used to produce pharmaceutical products for research and development purposes or commercial sale, as well as whether or not the product is being made using chemical synthesis.

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

Emission Unit No. 0-00013 - This Emission Unit consists of existing pharmaceutical manufacturing processes that are vented to a regenerative thermal oxidizer (RTO) and scrubber system. The RTO / scrubber system consists of two RTOs that are used alternately or simultaneously to reduce emissions. Each RTO is equipped with a caustic scrubber and exhaust through a common exhaust stack (EP 00175). Existing process emissions and room air exhaust from affected sources are 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 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 permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 5
SUBOFFICE

Submission of Applications for Permit Modification or Renewal -REGION 5
SUBOFFICE



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 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

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 1-1.2:

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 1-1.3:



New York State Department of Environmental Conservation
Facility DEC ID: 5092800017

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 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 1

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.

Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 1-2.1:

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.

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

Expired by Mod No: 1

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have

New York State Department of Environmental Conservation
Facility DEC ID: 5092800017



materially changed since the permit was issued.

****** Facility Level ******

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

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 5 Sub-office
Division of Environmental Permits
232 Hudson St, PO Box 220
Warrensburg, NY 12885-0220
(518) 623-1281

**Condition 6-1: Submission of Applications for Permit Modification or Renewal -REGION 5
SUBOFFICE**
Applicable State Requirement: 6NYCRR 621.5(a)

Item 6-1.1:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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

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

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

Mod 0 Permit Effective Date: 11/13/2001	Permit Expiration Date: 11/12/2006
Mod 1 Permit Effective Date: 09/16/2002	Permit Expiration Date: 11/12/2006
Mod 2 Permit Effective Date: 08/01/2005	Permit Expiration Date: 11/12/2006
Mod 5 Permit Effective Date: 02/08/2006	Permit Expiration Date: 11/12/2006
Mod 6 Permit Effective Date: 10/02/2006	Permit Expiration Date: 11/12/2006
Mod 7 Permit Effective Date: 10/16/2006	Permit Expiration Date: 11/12/2006



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 2-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2-2 6NYCRR 201-6.5(a)(7): Fees
- 1-10 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 1-11 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 1-12 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 35 6NYCRR 202-2.1: Compliance Certification
- 36 6NYCRR 202-2.5: Recordkeeping requirements
- 5-1 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 5-2 6NYCRR 200.7: Maintenance of Equipment
- 5-3 6NYCRR 201-1.7: Recycling and Salvage
- 5-4 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 5-5 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 5-6 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 2-3 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 2-4 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 2-5 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 2-6 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 5-7 6NYCRR 202-1.1: Required Emissions Tests
- 5-8 6NYCRR 211.3: Visible Emissions Limited
- 2-7 40CFR 68: Accidental release provisions.
- 5-9 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 7-1 6NYCRR 200.6: Compliance Certification
- 1-2 6NYCRR 200.6: Compliance Certification
- 1-4 6NYCRR 200.6: Compliance Certification
- 2-9 6NYCRR 200.6: Compliance Certification
- 28 6NYCRR 201-6: Emission Unit Definition
- 7-2 6NYCRR 201-6.5(e): Compliance Certification
- 5-11 6NYCRR 201-7: Facility Permissible Emissions
- *5-12 6NYCRR 201-7: Capping Monitoring Condition
- *5-13 6NYCRR 201-7: Capping Monitoring Condition
- *5-14 6NYCRR 201-7: Capping Monitoring Condition
- *5-15 6NYCRR 201-7: Capping Monitoring Condition
- *5-16 6NYCRR 201-7: Capping Monitoring Condition
- *5-17 6NYCRR 201-7: Capping Monitoring Condition
- *5-18 6NYCRR 201-7: Capping Monitoring Condition
- *5-19 6NYCRR 201-7: Capping Monitoring Condition
- *5-20 6NYCRR 201-7: Capping Monitoring Condition
- *5-21 6NYCRR 201-7: Capping Monitoring Condition
- 5-22 6NYCRR 212.4(a): Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

- 5-23 6NYCRR 212.4(c): Compliance Certification
- 38 6NYCRR 212.5(f): Capped sources of VOC and NOx not subject to 212.9(b) for non A-rated contaminants
- 1-20 6NYCRR 212.6(a): Compliance Certification
- 42 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

- 55 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification

EU=0-00001,Proc=01C

- 7-3 6NYCRR 227.2(b)(1): Compliance Certification
- 2-11 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 57 40CFR 60.48c(e), NSPS Subpart Dc: Compliance Certification

EU=0-00001,Proc=01C,ES=00074

- 58 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 59 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.
- 60 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.

EU=0-00001,Proc=01C,ES=00204

- 61 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 62 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.
- 63 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.

EU=0-00001,Proc=01C,ES=00333

- 64 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 65 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.
- 66 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.

EU=0-00002

- 68 6NYCRR 233.3(b)(2): Compliance Certification
- 69 6NYCRR 233.3(f): Compliance Certification
- 70 6NYCRR 233.5(b): Compliance Certification

EU=0-00002,EP=00110

- 73 6NYCRR 212.4(a): Compliance Certification

EU=0-00002,EP=00132

- 74 6NYCRR 212.4(a): Compliance Certification



EU=0-00002,EP=00179

2-12 6NYCRR 212.4(a): Compliance Certification

EU=0-00003,EP=00019

77 6NYCRR 212.4(a): Compliance Certification

78 6NYCRR 212.4(a): Compliance Certification

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

79 6NYCRR 200.6: Compliance Certification

EU=0-00003,EP=00103

81 6NYCRR 212.4(a): Compliance Certification

EU=0-00003,EP=00120

82 6NYCRR 212.4(a): Compliance Certification

EU=0-00003,EP=00138

83 6NYCRR 212.4(a): Compliance Certification

EU=0-00003,EP=00139

84 6NYCRR 212.4(a): Compliance Certification

EU=0-00003,EP=00152

85 6NYCRR 212.4(a): Compliance Certification

EU=0-00003,EP=00162

89 6NYCRR 212.4(a): Compliance Certification

EU=0-00003,EP=00164

90 6NYCRR 212.4(a): Compliance Certification

EU=0-00003,EP=00185

6-2 6NYCRR 212.4(a): Compliance Certification

EU=0-00003,EP=00186



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

7-4 6NYCRR 212.4(a): Compliance Certification

EU=0-00004,EP=00106,Proc=007,ES=00099

97 6NYCRR 212.4(a): Compliance Certification

EU=0-00004,EP=00180

2-13 6NYCRR 212.4(a): Compliance Certification

EU=0-00004,EP=00181

2-14 6NYCRR 212.4(a): Compliance Certification

EU=0-00006,EP=00102

123 6NYCRR 212.4(a): Compliance Certification

EU=0-00006,EP=00160

133 6NYCRR 212.4(a): Compliance Certification

EU=0-00006,EP=00161

134 6NYCRR 212.4(a): Compliance Certification

EU=0-00006,EP=00163

135 6NYCRR 212.4(a): Compliance Certification

EU=0-00006,EP=00173

136 6NYCRR 212.4(a): Compliance Certification

EU=0-00006,EP=00174

137 6NYCRR 212.4(a): Compliance Certification

EU=0-00008

145 6NYCRR 233.3(d): Compliance Certification

146 6NYCRR 233.5(b): Compliance Certification

147 40CFR 60.116b(b), NSPS Subpart Kb: Records of the dimension and capacity of storage vessels

EU=0-00009

6-3 6NYCRR 201-6.5: Compliance Certification

*5-24 6NYCRR 201-7: Capping Monitoring Condition

149 6NYCRR 212.4(a): Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

- 150 6NYCRR 212.4(a): Compliance Certification
- 151 6NYCRR 233.3(a)(1): Compliance Certification
- 152 6NYCRR 233.3(a)(1): Compliance Certification
- 153 6NYCRR 233.3(a)(1): Compliance Certification
- 154 6NYCRR 233.3(a)(1): Compliance Certification
- 155 6NYCRR 233.3(a)(1): Compliance Certification
- 156 6NYCRR 233.3(f): Compliance Certification
- 157 6NYCRR 233.5(a): Compliance Certification
- 158 6NYCRR 233.5(b): Compliance Certification

EU=0-00009,EP=00144

- 159 6NYCRR 200.6: Compliance Certification
- 160 6NYCRR 200.6: Compliance Certification
- 161 6NYCRR 200.6: Compliance Certification

EU=0-00013

- 2-15 6NYCRR 200.6: Compliance Certification
- 1-39 6NYCRR 212.6(a): Compliance Certification

EU=0-00013,EP=00175

- *5-25 6NYCRR 201-7: Capping Monitoring Condition
- *5-26 6NYCRR 201-7: Capping Monitoring Condition
- *5-27 6NYCRR 201-7: Capping Monitoring Condition

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 1-43 ECL 19-0301: Contaminant List
- 2-16 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 187 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

EU=0-00002

- 188 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

EU=0-00003

- 189 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

EU=0-00004

- 190 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

EU=0-00005

- 191 6NYCRR 212.4(a): Emissions from new emission sources and/or



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

modifications

EU=0-00006

192 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

EU=0-00008

194 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

EU=0-00009

195 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

196 6NYCRR 212.4(a): Compliance Demonstration

197 6NYCRR 212.4(a): Compliance Demonstration

EU=0-00013

2-30 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 2-1: Acceptable Ambient Air Quality
Effective between the dates of 08/01/2005 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 2-1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 2-2: Fees

Effective between the dates of 08/01/2005 and 11/12/2006

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

Item 2-2.1:

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 1-10: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 09/16/2002 and 11/12/2006

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

Item 1-10.1:

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 1-11: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 09/16/2002 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)

Item 1-11.1:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 1-12: Compliance Certification

Effective between the dates of 09/16/2002 and 11/12/2006

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

Item 1-12.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-12.2:

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.

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

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

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

If any of the above conditions are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) through (4) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraph (1) through (4) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis than those described in paragraphs (1) through (4) above. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

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.

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 36: Recordkeeping requirements
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 36.1:

(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 5-1: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 215

Item 5-1.1:

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 5-2: Maintenance of Equipment
Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.7

Item 5-2.1:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 5-3: Recycling and Salvage
Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 5-3.1:

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 5-4: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 5-4.1:

No person shall 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 5-5: Exempt Sources - Proof of Eligibility
Effective between the dates of 02/08/2006 and 11/12/2006

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

Item 5-5.1:

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 5-6: Trivial Sources - Proof of Eligibility
Effective between the dates of 02/08/2006 and 11/12/2006

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

Item 5-6.1:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 2-3: Standard Requirement - Provide Information
Effective between the dates of 08/01/2005 and 11/12/2006

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

Item 2-3.1:

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 2-4: General Condition - Right to Inspect
Effective between the dates of 08/01/2005 and 11/12/2006

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

Item 2-4.1:

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 2-5: Standard Requirements - Progress Reports
Effective between the dates of 08/01/2005 and 11/12/2006

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Item 2-5.1:

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 2-6: Off Permit Changes

Effective between the dates of 08/01/2005 and 11/12/2006

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

Item 2-6.1:

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 5-7: Required Emissions Tests

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 5-7.1:

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.

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Condition 5-8: Visible Emissions Limited
Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 211.3

Item 5-8.1:

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 2-7: Accidental release provisions.
Effective between the dates of 08/01/2005 and 11/12/2006

Applicable Federal Requirement: 40CFR 68

Replaces Condition(s) 1-24

Item 2-7.1:

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 5-9: Recycling and Emissions Reduction
Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 5-9.1:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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

Condition 7-1: Compliance Certification

Effective between the dates of 10/16/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Replaces Condition(s) 6-1

Item 7-1.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 7-1.2:

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; 00028/00027;
00030/00029; 00033/00032; 00035/00034;
00059, 00058/00057; 00083/00081, 00082;
00142, 00141/00140; 00147/00146;
00166/00165; 00168/00167; 00174/00173;
00213, 00212/00211; 00226/00225;
00228/00227;
00242, 00241/00240; 00248, 00247/00246;
00264/00262, 00263; 00266/00265; 00391,
00392/00390; 00394/00393

EU #0-00004:
00124, 00100/00099; 00124/00092-00093,
00095-00098, 00101-00108, 00111-00123;
00377/375; 00378/376

EU #0-00005:
00054/00053; 00130/00129; 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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 1-2: Compliance Certification

Effective between the dates of 09/16/2002 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Replaces Condition(s) 3, 4, 5

Item 1-2.1:

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 1-2.2:

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)



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 1-4: Compliance Certification
Effective between the dates of 09/16/2002 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Replaces Condition(s) 80, 95, 111

Item 1-4.1:
The Compliance Certification activity will be performed for the Facility.

Item 1-4.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to mitigate potential ambient impacts of Benzene, the Mineral Spirits used in processes conducted at this facility shall have a Benzene content less than 0.1 percent by weight. Source owner shall maintain a record of the Benzene content of the mineral spirits used at the facility, and update it if new or different types of minerals spirits are introduced. Benzene content may be documented through supplier certification.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2002.

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

Condition 2-9: Compliance Certification
Effective between the dates of 08/01/2005 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 2-9.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00013

Process: 022

Emission Source: M0056

Emission Unit: 0-00013

Process: 022

Emission Source: M0233



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Emission Unit: 0-00013

Process: 022

Emission Source: M0307

Regulated Contaminant(s):

CAS No: 000075-09-2 DICHLOROMETHANE

Item 2-9.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To assure compliance with the 2.71 pound per hour mass emission limit on Methylene Chloride from the emission sources covered, source owner shall maintain the process gas exit temperature of each of the associated condensers (ES Nos. M0056, M0307 and M0233) at or below -25 degrees Celsius. This temperature must be measured and recorded at least every 15 minutes during the period that the condensers are functioning in controlling emissions of Methylene Chloride from the covered processes. The temperature monitoring devices must be accurate to within plus or minus 2 degrees C, and must be calibrated annually. The processes shall be run in the closed-loop mode until solvent stops condensing at this temperature.

Parameter Monitored: TEMPERATURE

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

Monitoring Frequency: FOUR TIMES PER HOUR

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2005.

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

Condition 28: Emission Unit Definition

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-6

Item 28.1(From Mod 7):

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)



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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). 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 28.2(From Mod 7):

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 28.3(From Mod 5):

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.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Building(s): 16
23

Item 28.4(From Mod 5):

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 28.5(From Mod 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 28.6(From Mod 5):

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 28.7(From Mod 0):

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

Emission Unit: 0-00008

Emission Unit Description:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 28.8(From Mod 6):

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

Emission Unit: 0-00009

Emission Unit Description:

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

Building(s): 23
26
31
40

Item 28.9(From Mod 1):

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 28.10(From Mod 5):

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



manufacturing processes that will be vented to a regenerative thermal oxidizer (RTO) and scrubber system. The RTO / scrubber system consists of two RTOs that will be used alternately or simultaneously to reduce emissions.

Each RTO will be equipped with a caustic scrubber and exhaust through a common exhaust stack. Existing process emissions and room air exhaust from affected sources will be diverted to a rooftop header feeding the RTOs. Air streams containing particulate matter will pass through dedicated dust collectors and HEPA filters prior to entering the RTO header.

Building(s): 36A

Condition 7-2: Compliance Certification
Effective between the dates of 10/16/2006 and 11/12/2006

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

Replaces Condition(s) 1-13

Item 7-2.1:

The Compliance Certification activity will be performed for the Facility.

Item 7-2.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due on the same day each year

Condition 5-11: Facility Permissible Emissions
Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 7-11.1:

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: 000062-53-3 (From Mod 7) PTE: 19,000 pounds per year
Name: ANILINE

CAS No: 000067-56-1 (From Mod 7) PTE: 19,000 pounds per year
Name: METHYL ALCOHOL

CAS No: 000067-66-3 (From Mod 7) PTE: 19,000 pounds per year
Name: CHLOROFORM

CAS No: 000068-12-2 (From Mod 7) PTE: 19,000 pounds per year
Name: FORMAMIDE, N,N-DIMETHYL

CAS No: 000071-55-6 (From Mod 7) PTE: 19,000 pounds per year
Name: ETHANE, 1,1,1-TRICHLORO

CAS No: 000074-88-4 (From Mod 7) PTE: 19,000 pounds per year
Name: METHYL IODIDE

CAS No: 000075-05-8 (From Mod 7) PTE: 19,000 pounds per year
Name: ACETONITRILE

CAS No: 000075-07-0 (From Mod 7) PTE: 19,000 pounds per year
Name: ACETALDEHYDE

CAS No: 000075-09-2 (From Mod 7) PTE: 19,000 pounds per year
Name: DICHLOROMETHANE

CAS No: 000077-78-1 (From Mod 7) PTE: 19,000 pounds per year
Name: SULFURIC ACID, DIMETHYL ESTER



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

CAS No: 000079-01-6	(From Mod 7)	PTE: 19,000	pounds per year
Name: TRICHLOROETHYLENE			
CAS No: 000092-52-4	(From Mod 7)	PTE: 19,000	pounds per year
Name: 1, 1 BIPHENYL			
CAS No: 000100-44-7	(From Mod 7)	PTE: 19,000	pounds per year
Name: BENZYL CHLORIDE			
CAS No: 000106-93-4	(From Mod 7)	PTE: 19,000	pounds per year
Name: ETHANE, 1,2-DIBROMO			
CAS No: 000107-06-2	(From Mod 7)	PTE: 19,000	pounds per year
Name: 1,2-DICHLOROETHANE			
CAS No: 000108-10-1	(From Mod 7)	PTE: 19,000	pounds per year
Name: 2-PENTANONE, 4-METHYL			
CAS No: 000108-88-3	(From Mod 7)	PTE: 19,000	pounds per year
Name: TOLUENE			
CAS No: 000108-95-2	(From Mod 7)	PTE: 19,000	pounds per year
Name: PHENOL			
CAS No: 000109-86-4	(From Mod 7)	PTE: 19,000	pounds per year
Name: 2-METHOXYETHANOL			
CAS No: 000110-54-3	(From Mod 7)	PTE: 19,000	pounds per year
Name: HEXANE			
CAS No: 000110-71-4	(From Mod 7)	PTE: 19,000	pounds per year
Name: ETHYLENE GLYCOL DIMETHYL ETHER			
CAS No: 000111-96-6	(From Mod 7)	PTE: 19,000	pounds per year
Name: ETHANE,1,1'-OXYBIS[-METHOXY]			
CAS No: 000121-44-8	(From Mod 7)	PTE: 19,000	pounds per year
Name: N,N-DIETHYL ETHANAMINE			
CAS No: 000123-31-9	(From Mod 7)	PTE: 19,000	pounds per year
Name: 1,4-BENZENEDIOL			
CAS No: 000123-91-1	(From Mod 7)	PTE: 19,000	pounds per year
Name: 1,4-DIETHYLENE DIOXIDE			
CAS No: 000302-01-2	(From Mod 7)	PTE: 19,000	pounds per year



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Name: HYDRAZINE

CAS No: 001330-20-7 (From Mod 7) PTE: 19,000 pounds per year
Name: XYLENE, M, O & P MIXT.

CAS No: 001634-04-4 (From Mod 7) PTE: 19,000 pounds per year
Name: METHYL TERTBUTYL ETHER

CAS No: 007446-09-5 (From Mod 7) PTE: 198,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 007647-01-0 (From Mod 7) PTE: 19,000 pounds per year
Name: HYDROGEN CHLORIDE

CAS No: 007782-50-5 (From Mod 7) PTE: 19,000 pounds per year
Name: CHLORINE

CAS No: 0NY100-00-0 (From Mod 7) PTE: 49,000 pounds per year
Name: HAP

CAS No: 0NY210-00-0 (From Mod 7) PTE: 198,000 pounds per year
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0 (From Mod 7) PTE: 98,000 pounds per year
Name: VOC

Condition 5-12: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-12.1:

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 5-12.2:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Item 5-12.3:

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 5-12.4:

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 5-12.5:

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 5-12.6:

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 5-12.7:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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 NO_x emissions, in tons per year;

8) The rolling annual total SO₂ emissions, in tons per year; and

9) A comparison of the annual totals above to their respective annual limits.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2006.

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

Condition 5-13: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-13.1:

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 5-13.2:

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

Item 5-13.3:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 5-13.4:

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 5-13.5:

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 5-13.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00013 Emission Point: 00175
Process: 022 Emission Source: M0362

Emission Unit: 0-00013 Emission Point: 00175
Process: 022 Emission Source: M0363

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

Item 5-13.7:

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 maintained between 6 and 9 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.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

pH range may need to be revised based upon the results of required performance testing.

Parameter Monitored: ACIDITY/ALKALINITY
Lower Permit Limit: 6 pH (STANDARD) units
Upper Permit Limit: 9 pH (STANDARD) units
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 5-14: Capping Monitoring Condition
Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-14.1:

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 5-14.2:

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

Item 5-14.3:

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 5-14.4:

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.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Item 5-14.5:

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 5-14.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00013 Emission Point: 00175
Process: 022 Emission Source: M0360

Emission Unit: 0-00013 Emission Point: 00175
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 5-14.7:

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.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1500 degrees Fahrenheit



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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.

The initial report is due 4/30/2006.

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

Condition 5-15: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-15.1:

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 5-15.2:

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

Item 5-15.3:

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 5-15.4:

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 5-15.5:

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 5-15.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Emission Unit: 0-00006 Emission Point: 00125

Emission Unit: 0-00006 Emission Point: 00158

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 5-15.7:

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 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.

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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-16: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-16.1:

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

40CFR 63-GGG.1250(a)

Item 5-16.2:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Item 5-16.3:

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

Item 5-16.4:

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

Item 5-16.5:

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

Item 5-16.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00013 Emission Point: 00175
Process: 022 Emission Source: M0362

Emission Unit: 0-00013 Emission Point: 00175
Process: 022 Emission Source: M0363

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

Item 5-16.7:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 571 gallons per minute

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 4-HOUR AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2006.

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

Condition 5-17: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-17.1:

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

6NYCRR 212.10

6NYCRR 228.1

6NYCRR 233.1(d)(4)

Item 5-17.2:

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

Item 5-17.3:

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

Item 5-17.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 5-17.5:

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

Item 5-17.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 5-17.7:

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.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

The initial report is due 4/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 5-18: Capping Monitoring Condition
Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-18.1:

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

6NYCRR 227-2.1(a)

Item 5-18.2:

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

Item 5-18.3:

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

Item 5-18.4:

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

Item 5-18.5:

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

Item 5-18.6:

The Compliance Certification activity will be performed for the Facility.

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

Item 5-18.7:

Compliance Certification shall include the following monitoring:

Capping: Yes



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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.

The initial report is due 4/30/2006.

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

Condition 5-19: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-19.1:

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 5-19.2:

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

Item 5-19.3:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

control requirements, regulations or law.

Item 5-19.4:

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 5-19.5:

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 5-19.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000067-56-1	METHYL ALCOHOL
CAS No: 000067-66-3	CHLOROFORM
CAS No: 000068-12-2	FORMAMIDE, N,N-DIMETHYL
CAS No: 000071-55-6	ETHANE, 1,1,1-TRICHLORO
CAS No: 000074-88-4	METHYL IODIDE
CAS No: 000075-05-8	ACETONITRILE
CAS No: 000075-07-0	ACETALDEHYDE
CAS No: 000075-09-2	DICHLOROMETHANE
CAS No: 000077-78-1	SULFURIC ACID, DIMETHYL ESTER
CAS No: 000079-01-6	TRICHLOROETHYLENE
CAS No: 000092-52-4	1, 1 BIPHENYL
CAS No: 000100-44-7	BENZYL CHLORIDE
CAS No: 000106-93-4	ETHANE, 1,2-DIBROMO
CAS No: 000107-06-2	1,2-DICHLOROETHANE
CAS No: 000108-10-1	2-PENTANONE, 4-METHYL
CAS No: 000108-88-3	TOLUENE
CAS No: 000108-95-2	PHENOL
CAS No: 000109-86-4	2-METHOXYETHANOL
CAS No: 000110-54-3	HEXANE
CAS No: 000110-71-4	ETHYLENE GLYCOL DIMETHYL ETHER
CAS No: 000111-96-6	ETHANE, 1,1'-OXYBIS[-METHOXY]
CAS No: 000121-44-8	N,N-DIETHYL ETHANAMINE
CAS No: 000123-31-9	1,4-BENZENEDIOL
CAS No: 000123-91-1	1,4-DIETHYLENE DIOXIDE
CAS No: 000302-01-2	HYDRAZINE
CAS No: 001330-20-7	XYLENE, M, O & P MIXT.
CAS No: 001634-04-4	METHYL TERTBUTYL ETHER
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 007782-50-5	CHLORINE
CAS No: 0NY100-00-0	HAP



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

CAS No: 000062-53-3 ANILINE

Item 5-19.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2006.

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

Condition 5-20: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-20.1:

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)



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Item 5-20.2:

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

Item 5-20.3:

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 5-20.4:

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 5-20.5:

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 5-20.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 5-20.7:

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.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2006.

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Condition 5-21: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-21.1:

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 5-21.2:

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

Item 5-21.3:

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 5-21.4:

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 5-21.5:

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 5-21.6:

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 5-21.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A. NO_x 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 -

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

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

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

For 0.5% Sulfur No. 2 Fuel Oil Combustion -

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

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

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

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

that month, BTU/gallon;

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

oil burned that month,

percent; and

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

month, lbs/gallon.

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

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

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

(e.g.,

certified laboratory analysis of samples of fuel taken

during the month).

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



B. Emissions of NO_x and SO₂ from the Regenerative Thermal Oxidizer/Caustic Scrubber control system (RTO/Scrubber, EU No. 000013) shall be calculated as follows:

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

$$\text{SO}_2 \text{ (lbs/month)} = 6\text{E-}7 \times \text{NG}$$

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

C. Emissions of VOC, HAP (speciated and combined), NO_x and/or SO₂ from process sources shall be calculated on a batch by batch basis (except for NO_x 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, NO_x 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), NO_x 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), NO_x and/or SO₂ emissions resulting from the processing of the batches;



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

- 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.

The initial report is due 4/30/2006.

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

Condition 5-22: Compliance Certification

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Item 5-22.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00006 Emission Point: 00147

Emission Unit: 0-00006 Emission Point: 00148

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 5-22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Coating Pan #3 simultaneously vents to emission points 147 and 148 and may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.00000024 pounds per hour for both stacks combined. Per 6 NYCRR, Subpart 202-1, in order to determine compliance or noncompliance with this emission limit, the source owner may be required to submit an acceptable report of measured emissions within a stated time.

Parameter Monitored: PARTICULATES

Upper Permit Limit: .00000024 pounds per hour

Reference Test Method: USEPA Method 5

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 5-23: Compliance Certification

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(c)

Replaces Condition(s) 2-10

Item 5-23.1:

The Compliance Certification activity will be performed for the facility:

New York State Department of Environmental Conservation
Permit ID: 5-0928-00017/00291 Facility DEC ID: 5092800017



The Compliance Certification applies to:

Emission Unit: 0-00002	Emission Point: 00179
Emission Unit: 0-00003	Emission Point: 00009
Emission Unit: 0-00003	Emission Point: 00014
Emission Unit: 0-00003	Emission Point: 00015
Emission Unit: 0-00003	Emission Point: 00016
Emission Unit: 0-00003	Emission Point: 00017
Emission Unit: 0-00003	Emission Point: 00024
Emission Unit: 0-00003	Emission Point: 00031
Emission Unit: 0-00003	Emission Point: 00034
Emission Unit: 0-00003	Emission Point: 00035
Emission Unit: 0-00003	Emission Point: 00036
Emission Unit: 0-00003	Emission Point: 00037
Emission Unit: 0-00003	Emission Point: 00082
Emission Unit: 0-00003	Emission Point: 00124
Emission Unit: 0-00003	Emission Point: 00143
Emission Unit: 0-00003	Emission Point: 00156
Emission Unit: 0-00003	Emission Point: 00157
Emission Unit: 0-00003	Emission Point: 00167
Emission Unit: 0-00003	Emission Point: 00168
Emission Unit: 0-00005	Emission Point: 00075
Emission Unit: 0-00005	Emission Point: 00115
Emission Unit: 0-00005	Emission Point: 00128
Emission Unit: 0-00005	Emission Point: 00129

New York State Department of Environmental Conservation
Permit ID: 5-0928-00017/00291 Facility DEC ID: 5092800017



Emission Unit: 0-00005 Emission Point: 00130
Emission Unit: 0-00005 Emission Point: 00166
Emission Unit: 0-00006 Emission Point: 00101
Emission Unit: 0-00006 Emission Point: 00122
Emission Unit: 0-00006 Emission Point: 00125
Emission Unit: 0-00006 Emission Point: 00127
Emission Unit: 0-00006 Emission Point: 00158
Emission Unit: 0-00013 Emission Point: 00175
Emission Unit: 0-00006 Emission Point: 00147
Emission Unit: 0-00006 Emission Point: 00148
Emission Unit: 0-00004 Emission Point: 00106
Emission Unit: 0-00006 Emission Point: 00118
Emission Unit: 0-00006 Emission Point: 00119
Emission Unit: 0-00006 Emission Point: 00150
Emission Unit: 0-00006 Emission Point: 00151
Emission Unit: 0-00006 Emission Point: 00173
Emission Unit: 0-00006 Emission Point: 00174
Emission Unit: 0-00006 Emission Point: 00183

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

Item 5-23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates from the Emission Points
(EPs) referenced above are limited to less than 0.050

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 38: Capped sources of VOC and NOx not subject to 212.9(b) for
non A-rated contaminants
Effective between the dates of 11/13/2001 and 11/12/2006**

Applicable Federal Requirement: 6NYCRR 212.5(f)

Item 38.1:

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 1-20: Compliance Certification

Effective between the dates of 09/16/2002 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.6(a)

Replaces Condition(s) 71, 76, 93, 102, 121, 162

Item 1-20.1:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Emission Unit: 0-00005

Emission Unit: 0-00006

Emission Unit: 0-00011

Item 1-20.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 42: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 42.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
Reference Test Method: METHOD 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 6 calendar month(s).

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

**Condition 51: Emission Point Definition By Emission Unit
Effective between the dates of 11/13/2001 and 11/12/2006**

Applicable Federal Requirement: 6NYCRR 201-6

Item 51.1(From Mod 7):

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

Building: 14

Emission Point: 00014

Height (ft.): 29

Diameter (in.): 8

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 4A

Emission Point: 00015

Height (ft.): 29

Diameter (in.): 20

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 4A

Emission Point: 00016

Height (ft.): 29

Diameter (in.): 8

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 14

Emission Point: 00017

Height (ft.): 29

Diameter (in.): 14



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 14

Emission Point: 00019
Height (ft.): 29 Diameter (in.): 36
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 13

Emission Point: 00024
Height (ft.): 22 Diameter (in.): 6
Building: 15

Emission Point: 00031
Height (ft.): 41 Diameter (in.): 6
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 21

Emission Point: 00034
Height (ft.): 31 Length (in.): 30 Width (in.): 24
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 20

Emission Point: 00035
Height (ft.): 31 Length (in.): 30 Width (in.): 30
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 20

Emission Point: 00036
Height (ft.): 31 Diameter (in.): 8
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 20

Emission Point: 00037
Height (ft.): 31 Diameter (in.): 6
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 20

Emission Point: 00082
Height (ft.): 38 Diameter (in.): 16
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 18

Emission Point: 00103
Height (ft.): 36 Diameter (in.): 16
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 18

Emission Point: 00120
Height (ft.): 48 Diameter (in.): 10
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 27

Emission Point: 00124
Height (ft.): 50 Diameter (in.): 12
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 32

Emission Point: 00138



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Height (ft.): 41	Diameter (in.): 12	
NYTMN (km.): 4982.922	NYTME (km.): 628.629	Building: 3AI
Emission Point: 00139		
Height (ft.): 41	Diameter (in.): 12	
NYTMN (km.): 4982.922	NYTME (km.): 628.629	Building: 3AI
Emission Point: 00143		
Height (ft.): 44	Diameter (in.): 4	
		Building: 27
Emission Point: 00152		
Height (ft.): 48	Diameter (in.): 10	
		Building: 32
Emission Point: 00156		
Height (ft.): 48	Diameter (in.): 72	
		Building: 35
Emission Point: 00157		
Height (ft.): 48	Diameter (in.): 4	
		Building: 35
Emission Point: 00162		
Height (ft.): 48	Diameter (in.): 10	
		Building: 21
Emission Point: 00164		
Height (ft.): 48	Diameter (in.): 10	
		Building: 21
Emission Point: 00167		
Height (ft.): 48	Diameter (in.): 96	
		Building: 21
Emission Point: 00168		
Height (ft.): 46	Diameter (in.): 4	
		Building: 21
Emission Point: 00185		
Height (ft.): 37	Diameter (in.): 10	
		Building: 19
Emission Point: 00186		
Height (ft.): 46	Diameter (in.): 6	
		Building: 25



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Item 51.2(From Mod 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.): 4982.922 NYTME (km.): 628.629 Building: 6

Emission Point: 00100

Height (ft.): 75 Diameter (in.): 48
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 6

Emission Point: 00149

Height (ft.): 75 Diameter (in.): 60
Building: 6

Emission Point: 00172

Height (ft.): 75 Diameter (in.): 60
Building: 6

Item 51.3(From Mod 5):

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.): 4982.922 NYTME (km.): 628.629 Building: 16

Emission Point: 00072

Height (ft.): 37 Length (in.): 48 Width (in.): 72
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 23

Emission Point: 00110

Height (ft.): 46 Length (in.): 40 Width (in.): 44
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 23

Emission Point: 00132

Height (ft.): 41 Length (in.): 11 Width (in.): 16
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 23

Emission Point: 00179

Height (ft.): 58 Diameter (in.): 20
Building: 23

Item 51.4(From Mod 5):



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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.): 4982.922 NYTME (km.): 628.629 Building: 27

Emission Point: 00180

Height (ft.): 32

Diameter (in.): 4

Building: 19

Emission Point: 00181

Height (ft.): 32

Diameter (in.): 4

Building: 19

Item 51.5(From Mod 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.): 4982.922 NYTME (km.): 628.629 Building: 14

Emission Point: 00115

Height (ft.): 33

Diameter (in.): 14

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 13

Emission Point: 00128

Height (ft.): 49

Diameter (in.): 16

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 32

Emission Point: 00129

Height (ft.): 69

Diameter (in.): 30

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 32

Emission Point: 00130

Height (ft.): 69

Diameter (in.): 30

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 32

Emission Point: 00141

Height (ft.): 28

Length (in.): 12

Width (in.): 12

Building: 14

Emission Point: 00165

Height (ft.): 46

Diameter (in.): 16



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Building: 21

Emission Point: 00166
Height (ft.): 46

Diameter (in.): 16

Building: 21

Item 51.6(From Mod 5):

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.): 4982.922 NYTME (km.): 628.629 Building: 14

Emission Point: 00102

Height (ft.): 39

Diameter (in.): 8

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 18

Emission Point: 00111

Height (ft.): 29

Length (in.): 23

Width (in.): 33

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 14

Emission Point: 00118

Height (ft.): 68

Diameter (in.): 12

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 18

Emission Point: 00119

Height (ft.): 68

Diameter (in.): 12

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 18

Emission Point: 00122

Height (ft.): 53

Diameter (in.): 20

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 32

Emission Point: 00125

Height (ft.): 44

Diameter (in.): 30

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 32

Emission Point: 00127

Height (ft.): 54

Length (in.): 12

Width (in.): 14

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 32

Emission Point: 00147

Height (ft.): 48

Diameter (in.): 8

Building: 27



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Emission Point: 00148 Height (ft.): 48	Diameter (in.): 8	Building: 27
Emission Point: 00150 Height (ft.): 48	Diameter (in.): 12	Building: 32
Emission Point: 00151 Height (ft.): 48	Diameter (in.): 12	Building: 32
Emission Point: 00158 Height (ft.): 48	Diameter (in.): 30	Building: 21
Emission Point: 00160 Height (ft.): 48	Diameter (in.): 8	Building: 21
Emission Point: 00161 Height (ft.): 48	Diameter (in.): 8	Building: 21
Emission Point: 00163 Height (ft.): 48	Diameter (in.): 8	Building: 21
Emission Point: 00173 Height (ft.): 48	Diameter (in.): 8	Building: 21
Emission Point: 00174 Height (ft.): 48	Diameter (in.): 8	Building: 21
Emission Point: 00176 Height (ft.): 49	Diameter (in.): 16	Building: 21
Emission Point: 00177 Height (ft.): 48	Diameter (in.): 16	Building: 25
Emission Point: 00178 Height (ft.): 51	Diameter (in.): 30	Building: 21



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Emission Point: 00183

Height (ft.): 48

Diameter (in.): 12

Building: 27

Item 51.7(From Mod 0):

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

Emission Unit: 0-00008

Emission Point: 00039

Height (ft.): 21

Diameter (in.): 3

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: TF

Emission Point: 00043

Height (ft.): 26

Diameter (in.): 3

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: TF

Emission Point: 00044

Height (ft.): 26

Diameter (in.): 3

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: TF

Emission Point: 00045

Height (ft.): 26

Diameter (in.): 3

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: TF

Emission Point: 00046

Height (ft.): 26

Diameter (in.): 3

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: TF

Emission Point: 00047

Height (ft.): 26

Diameter (in.): 3

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: TF

Emission Point: 00048

Height (ft.): 23

Diameter (in.): 3

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: TF

Emission Point: 00049

Height (ft.): 23

Diameter (in.): 3

NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: TF

Item 51.8(From Mod 0):

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

Emission Unit: 0-00009



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Emission Point: 00062
Height (ft.): 47 Diameter (in.): 6
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 23

Emission Point: 00063
Height (ft.): 47 Diameter (in.): 6
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 23

Emission Point: 00073
Height (ft.): 47 Diameter (in.): 20
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 23

Emission Point: 00091
Height (ft.): 52 Diameter (in.): 4
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 26

Emission Point: 00093
Height (ft.): 52 Diameter (in.): 4
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 26

Emission Point: 00096
Height (ft.): 52 Diameter (in.): 4
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 26

Emission Point: 00144
Height (ft.): 113 Diameter (in.): 10
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 31

Item 51.9(From Mod 0):

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

Emission Unit: 0-00011

Emission Point: 00097
Height (ft.): 20 Diameter (in.): 2
NYTMN (km.): 4982.922 NYTME (km.): 628.629 Building: 26

Item 51.10(From Mod 5):

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
Building: 36A

Condition 52: Process Definition By Emission Unit



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-6

Item 52.1(From Mod 7):

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 52.2(From Mod 7):

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: 00028 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00030 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00033 - Control
Control Type: FABRIC 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: 00006 - Process

Emission Source/Control: 00010 - Process

Emission Source/Control: 00014 - Process

Emission Source/Control: 00027 - Process

Emission Source/Control: 00029 - Process



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Emission Source/Control: 00031 - Process

Emission Source/Control: 00032 - 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

Item 52.3(From Mod 2):

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 52.4(From Mod 5):

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

Emission Unit: 0-00002



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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: 00162 - Control
Control Type: FABRIC 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 52.5(From Mod 5):

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: 00083 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

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

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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: 00081 - Process

Emission Source/Control: 00082 - Process

Emission Source/Control: 00140 - Process

Emission Source/Control: 00211 - Process

Emission Source/Control: 00240 - Process

Emission Source/Control: 00246 - Process

Item 52.6(From Mod 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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Emission Source/Control: 00009 - Control
Control Type: FABRIC FILTER

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

Emission Source/Control: 00035 - 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: 00034 - Process

Emission Source/Control: 00146 - Process

Emission Source/Control: 00173 - Process

Emission Source/Control: 00227 - Process

Emission Source/Control: 00265 - Process

Item 52.7(From Mod 5):

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

Emission Unit: 0-00004

Process: 007

Process Description:

Source Classification Code: 3-01-060-04

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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: 00093 - 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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

- Emission Source/Control: 00108 - Process
- Emission Source/Control: 00111 - Process
- Emission Source/Control: 00112 - 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(From Mod 5):

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Emission Source/Control: 00258 - Process

Item 52.9(From Mod 5):

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(From Mod 5):

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



pharaceutical products. Additional building nos. 27 and 21.

Emission Source/Control: 00079 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00080 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

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

New York State Department of Environmental Conservation
Permit ID: 5-0928-00017/00291 Facility DEC ID: 5092800017



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: 00078 - Process

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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(From Mod 5):

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Emission Source/Control: 00386 - Process

Item 52.12(From Mod 5):

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(From Mod 5):

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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(From Mod 0):

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

Emission Unit: 0-00008

Process: 016

Source Classification Code: 4-07-080-98

Process Description: Vapor losses from chemical bulk storage tanks.

Emission Source/Control: 00040 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00044 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00046 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00048 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00267 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00268 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00269 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00270 - Control
Control Type: CONSERVATION VENT



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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(From Mod 6):

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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(From Mod 6):

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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(From Mod 6):

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.

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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(From Mod 6):

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)



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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(From Mod 6):

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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(From Mod 0):

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

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

Emission Source/Control: 00069 - Process

Item 52.21(From Mod 5):

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

Emission Unit: 0-00013
Process: 022
Process Description:
Various Pharmaceutical Coating and Granulation activities
vented to regenerative thermal oxidizer/scrubber control
system for control of VOC and HAP emissions.
Source Classification Code: 3-01-060-08

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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

Condition 55: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 40CFR 60.48c(g), NSPS Subpart Dc

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Item 55.2:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For Emission Source Nos. 00074, 00204 and 00333 (i.e., Babcock & Wilcox FM 10-79, 101-88 and 103-97 boilers), source owner shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 7-3: Compliance Certification
Effective between the dates of 10/16/2006 and 11/12/2006

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

Replaces Condition(s) 1-27

Item 7-3.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Process: 01C

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 7-3.2:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 2-11: Compliance Certification

Effective between the dates of 08/01/2005 and 11/12/2006

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

Item 2-11.1:

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 2-11.2:

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:

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



- (1) The name of the oil supplier; and
- (2) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in Section 60.41c of 40 CFR 60. Section 60.41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A Standard Specification for Fuel Oils.

No. 2 oil supplier certifications shall be retained on site for at least five years from the date that the certified oil was delivered to the facility.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.5 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 40CFR 60.48c(e), NSPS Subpart Dc

Item 57.1:
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 57.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

For Babcock & Wilcox FM 10-79, FM 101-88 and FM 103-97 boilers (ES Nos. 00074, 00204 and 00333), the owner or operator shall keep records and submit reports as required under 40 CFR 60.48c(d), including the following information:

- (1) Calendar dates covered in the reporting period.
- (2) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification including the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in Section 60.41c of 40 CFR 60.
- (3) A certified statement signed by the owner or operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 58: Exemption from the averaging period.
Effective between the dates of 11/13/2001 and 11/12/2006**

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

Item 58.1:

This Condition applies to Emission Unit: 0-00001

Process: 01C

Emission Source: 00074

Item 58.2:

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 59: Enforceability.
Effective between the dates of 11/13/2001 and 11/12/2006**

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

Item 59.1:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

This Condition applies to Emission Unit: 0-00001
Process: 01C Emission Source: 00074

Item 59.2:

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 60: Enforceability of particulate matter and opacity standards.
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 40CFR 60.43c(d), NSPS Subpart Dc

Item 60.1:

This Condition applies to Emission Unit: 0-00001
Process: 01C Emission Source: 00074

Item 60.2:

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 61: Exemption from the averaging period.
Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 61.1:

This Condition applies to Emission Unit: 0-00001
Process: 01C Emission Source: 00204

Item 61.2:

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 62: Enforceability.
Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 62.1:

This Condition applies to Emission Unit: 0-00001
Process: 01C Emission Source: 00204

Item 62.2:

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Condition 63: Enforceability of particulate matter and opacity standards.
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 40CFR 60.43c(d), NSPS Subpart Dc

Item 63.1:

This Condition applies to Emission Unit: 0-00001
Process: 01C Emission Source: 00204

Item 63.2:

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 64: Exemption from the averaging period.
Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 64.1:

This Condition applies to Emission Unit: 0-00001
Process: 01C Emission Source: 00333

Item 64.2:

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 65: Enforceability.
Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 65.1:

This Condition applies to Emission Unit: 0-00001
Process: 01C Emission Source: 00333

Item 65.2:

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 66: Enforceability of particulate matter and opacity standards.
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 40CFR 60.43c(d), NSPS Subpart Dc

Item 66.1:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

This Condition applies to Emission Unit: 0-00001

Process: 01C

Emission Source: 00333

Item 66.2:

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 68: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 233.3(b)(2)

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

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:

For synthesized pharmaceutical manufacturing processes conducted under this emission unit (i.e., EU #0-00002), each air dryer or production equipment exhaust system with an emission rate potential for volatile organic compounds (VOC) of less than 330 pounds per day (before control) must reduce emissions to 33 pounds per day or less.

Records shall be maintained on-site which demonstrate compliance with this emission limit. These records shall include the mass emissions of VOC for each day from each air dryer or production equipment exhaust system, as well as the production and operating records used to calculate the mass emissions. Emission factors are subject to the approval of the Department.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Condition 69: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 233.3(f)

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For in-process tanks containing a volatile organic compound (VOC), and associated with synthesized pharmaceutical manufacturing production (not R & D) processes having an emission rate potential for VOC of greater than 15 pounds per day, covers must be installed on openings to these tanks. Tank openings must remain covered unless production, sampling, maintenance, or inspection procedures require operator access.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 70: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 233.5(b)

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a synthesized pharmaceutical manufacturing process having an emission rate potential for VOC greater than 15 pounds per day and being performed for production purposes (i.e., not for research & development), all leaks from which a liquid containing VOC can be observed running or dripping must be repaired the first time the equipment is off-line for a period of time long enough to complete the repair, but not later than 15 days after the leak is discovered. If the leaking component cannot be repaired until the process is shut down, and a shut down cannot be done within the 15 days after the leak is detected, the leaking component must then be repaired before the process is restarted.

For any leak which cannot be readily repaired within one (1) day after detection, the following records must be kept:

1. the name of the leaking equipment;
2. the date and time the leak is detected;
3. the action taken to repair the leak; and
4. the date and time the leak is repaired.

These records must be maintained at the facility for a period of five (5) years.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 73: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 73.1:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002 Emission Point: 00110

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.00000287 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: PARTICULATES

Upper Permit Limit: 0.00000287 pounds per hour

Reference Test Method: USEPA Method 5

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 74: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002 Emission Point: 00132

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.0000065 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: PARTICULATES

Upper Permit Limit: 0.0000065 pounds per hour

Reference Test Method: USEPA Method 5

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 2-12: Compliance Certification

Effective between the dates of 08/01/2005 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 2-12.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00002 Emission Point: 00179

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.01 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: PARTICULATES

Upper Permit Limit: 0.01 pounds per hour

Reference Test Method: USEPA Method 5

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 77: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 77.1:

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 77.2:

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.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 78: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00019

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.0002 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: PARTICULATES

Upper Permit Limit: 0.0002 pounds per hour



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Reference Test Method: USEPA Method 5

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 79: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 79.1:

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 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

In order to mitigate ambient impacts from Methylene Chloride (a.k.a., Dichloromethane) generated by this emission source, the owner shall limit the total amount of Methylene Chloride weighed out to no more than 144,000 kg per consecutive twelve (12) month period.

Source owner shall maintain a written record for this source which includes the total amount of Methylene Chloride weighed out over each month, as well as the total amount of Methylene Chloride weighed out over each twelve (12) month period, rolled monthly.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RAW MATERIAL

Parameter Monitored: DICHLOROMETHANE

Upper Permit Limit: 144000 kilograms per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

The initial report is due 4/30/2002.

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

Condition 81: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00103

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.002 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: PARTICULATES

Upper Permit Limit: 0.002 pounds per hour

Reference Test Method: USEPA Method 5

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 82: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00120

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.0000015 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: PARTICULATES

Upper Permit Limit: 0.0000015 pounds per hour

Reference Test Method: USEPA Method 5

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 83: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00138

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



CAS No: 0NY075-00-0 PARTICULATES

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.000001 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: PARTICULATES

Upper Permit Limit: 0.000001 pounds per hour

Reference Test Method: USEPA Method 5

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 84: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00139

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.000001 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: PARTICULATES

Upper Permit Limit: 0.000001 pounds per hour

Reference Test Method: USEPA Method 5

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 85: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00152

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

than 0.0000015 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: PARTICULATES

Upper Permit Limit: 0.0000015 pounds per hour

Reference Test Method: USEPA Method 5

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 89: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00162

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.0000015 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: PARTICULATES



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Upper Permit Limit: 0.0000015 pounds per hour
Reference Test Method: USEPA Method 5
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 90: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00164

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

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.0000015 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: PARTICULATES
Upper Permit Limit: 0.0000015 pounds per hour
Reference Test Method: USEPA Method 5
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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Condition 6-2: Compliance Certification

Effective between the dates of 10/02/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 6-2.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00185

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 6-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.000000317 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: PARTICULATES

Upper Permit Limit: .000000317 pounds per hour

Reference Test Method: USEPA Method 5

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 7-4: Compliance Certification

Effective between the dates of 10/16/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 7-4.1:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

The Compliance Certification activity will be performed for:

Emission Unit: 0-00003 Emission Point: 00186

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 7-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.00000111 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: PARTICULATES

Upper Permit Limit: .00000111 pounds per hour

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 97: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00004 Emission Point: 00106

Process: 007 Emission Source: 00099

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Item 97.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission source may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate of no more than 0.0093 pounds per hour after the HEPA filter (ES No. 00100). 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: PARTICULATES

Upper Permit Limit: 0.0093 pounds per hour

Reference Test Method: USEPA Method 5

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 2-13: Compliance Certification

Effective between the dates of 08/01/2005 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 2-13.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00004 Emission Point: 00180

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission source may emit "active" particulate matter



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

(e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate of no more than 0.00000000212 pounds per hour after the HEPA filter (ES No. 00377). 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: PARTICULATES

Upper Permit Limit: 0.00000000212 pounds per hour

Reference Test Method: USEPA Method 5

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 2-14: Compliance Certification

Effective between the dates of 08/01/2005 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 2-14.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00004 Emission Point: 00181

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 2-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission source may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate of no more than 0.000106



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

pounds per hour after the HEPA filter (ES No. 00378). 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: PARTICULATES

Upper Permit Limit: 0.000106 pounds per hour

Reference Test Method: USEPA Method 5

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 123: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006 Emission Point: 00102

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 123.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.00047 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: PARTICULATES



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Upper Permit Limit: 0.00047 pounds per hour
Reference Test Method: USEPA Method 5
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 133: Compliance Certification
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 133.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006 Emission Point: 00160

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

Item 133.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.00047 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: PARTICULATES
Upper Permit Limit: 0.00047 pounds per hour
Reference Test Method: USEPA Method 5
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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Condition 134: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 134.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006 Emission Point: 00161

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 134.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.00047 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: PARTICULATES

Upper Permit Limit: 0.00047 pounds per hour

Reference Test Method: USEPA Method 5

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 135: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 135.1:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006 Emission Point: 00163

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 135.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.00047 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: PARTICULATES

Upper Permit Limit: 0.00047 pounds per hour

Reference Test Method: USEPA Method 5

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 136: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 136.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006 Emission Point: 00173

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Item 136.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.00000024 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: PARTICULATES

Upper Permit Limit: 0.00000024 pounds per hour

Reference Test Method: USEPA Method 5

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 137: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 137.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00006 Emission Point: 00174

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 137.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point may emit "active" particulate matter (e.g., conjugated estrogen, etc.). This contaminant is



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

given an environmental rating of "A" per 6 NYCRR 212.9(a) Table 1 and required to have 99% control or greater or Best Available Control Technology (BACT) per 6 NYCRR 212.9(b) Table 2. BACT, for this source, is considered to be a particulate emission rate after control of no more than 0.00000024 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: PARTICULATES

Upper Permit Limit: 0.00000024 pounds per hour

Reference Test Method: USEPA Method 5

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 145: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 233.3(d)

Item 145.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00008

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 145.2:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

inspected/maintained per manufacturer's specification on a quarterly basis. A record of maintenance performed shall be kept on site for a period of at least five (5) years from the date it is performed.

Monitoring Frequency: QUARTERLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 146: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 233.5(b)

Item 146.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00008

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 146.2:

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;



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

3. the action taken to repair the leak; and
4. the date and time the leak is repaired.

These records must be maintained at the facility for a period of five (5) years.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**Condition 147: Records of the dimension and capacity of storage vessels
Effective between the dates of 11/13/2001 and 11/12/2006**

Applicable Federal Requirement: 40CFR 60.116b(b), NSPS Subpart Kb

Item 147.1:

This Condition applies to Emission Unit: 0-00008

Item 147.2:

The owner or operator of each storage vessel, as specified in 40CFR60.110b(a), shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the storage vessel.

Each storage vessel with a design capacity less than 75 cubic meters is subject to no provision of 40CFR60 Subpart Kb other than those required by the above paragraph.

**Condition 6-3: Compliance Certification
Effective between the dates of 10/02/2006 and 11/12/2006**

Applicable Federal Requirement: 6NYCRR 201-6.5

Item 6-3.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Item 6-3.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



regulations including but not limited to 6NYCRR 201-6.5(a)(2).

1. Within four (4) months following the proper execution of this Order on Consent, the permittee shall submit to the Department an approvable, complete application for modification of the compliance monitoring conditions associated with the vent condensers used to control emissions from the Chemical Development Plant. The compliance monitoring activities must:

-Yield reliable data from the relevant time periods that is representative of the stationary source's compliance with the applicable requirements.

-Assure use of terms and averaging periods consistent with the applicable requirements.

-Demonstrate compliance with all applicable requirements, including without limitation, record keeping and reporting of compliance monitoring in accordance with 6 NYCRR §201-6.5(c).

2. If compliance with the permit modification does not require the design, installation and testing of new equipment (ie., hardware), the permittee shall complete all the necessary changes required to assure compliance with the new compliance monitoring conditions within six (6) months following issuance by the Department of the permit modification.

3. Within ten (10) months following the execution of this Order, the permittee shall operate and maintain an interlock which will prevent wastewater steam stripping operations from starting without proper vent condenser control.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Condition 5-24: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-24.1:

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 5-24.2:

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

Item 5-24.3:

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 5-24.4:

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 5-24.5:

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 5-24.6:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 5-24.7:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For this Emission Unit (EU #0-00009), monthly emissions of VOC's from all processes (i.e., production and research and development) shall be calculated on a chemical specific, batch by batch basis. The output from these batchwise calculations shall be recorded and added into the facility-wide VOC emissions total as specified in the facility level capping conditions. These capping conditions include Reasonably Available Control Technology (RACT) requirements contained in Part 212 of 6 NYCRR, as well as those portions of Part 233 of 6 NYCRR that are triggered by the 50 ton per year potential to emit threshold for VOC.

Since the VOC emissions calculations for this Emission Unit are based upon the physical characteristics of the VOC(s) involved, as well as the exhaust system parameters (particularly, the vent condenser exit temperature), a record of this information shall be maintained by the source owner or operator. The vent condenser exit temperature shall be monitored and recorded at least once every 15 minutes, but no less than 4 times during the course of the unit operation for which it is being used.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2006.

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

Condition 149: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 149.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Item 149.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 150: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 150.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Item 150.2:

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)

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

The initial report is due 4/30/2002.

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

Condition 151: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 151.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 151.2:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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.

The initial report is due 4/30/2002.

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

Condition 152: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 152.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 152.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.

The initial report is due 4/30/2002.

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

Condition 153: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 153.1:

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 153.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.

The initial report is due 4/30/2002.

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

Condition 154: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 154.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 154.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.

The initial report is due 4/30/2002.

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

Condition 155: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

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

Item 155.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 155.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.

The initial report is due 4/30/2002.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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

Condition 156: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 233.3(f)

Item 156.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 156.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For in-process tanks containing a volatile organic compound (VOC), and associated with synthesized pharmaceutical manufacturing production (not R & D) processes having an emission rate potential for VOC of greater than 15 pounds per day, covers must be installed on openings to these tanks. Tank openings must remain covered unless production, sampling, maintenance, or inspection procedures require operator access.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 157: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 233.5(a)

Item 157.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

CAS No: 0NY998-00-0 VOC

Item 157.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When a synthesized pharmaceutical manufacturing process, having an emission rate potential for VOC greater than 15 pounds per day, is performed for production purposes (i.e., not for research & development), the following records must be kept:

1. The outlet gas temperature of the refrigerated condenser used to control VOC emissions.
2. The vapor pressure (at 20 degrees C) of the VOC being controlled.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 158: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 233.5(b)

Item 158.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 158.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



(i.e., not for research & development), all leaks from which a liquid containing VOC can be observed running or dripping must be repaired the first time the equipment is off-line for a period of time long enough to complete the repair, but not later than 15 days after the leak is discovered. If the leaking component cannot be repaired until the process is shut down, and a shut down cannot be done within the 15 days after the leak is detected, the leaking component must then be repaired before the process is restarted.

For any leak which cannot be readily repaired within one (1) day after detection, the following records must be kept:

1. the name of the leaking equipment;
2. the date and time the leak is detected;
3. the action taken to repair the leak; and
4. the date and time the leak is repaired.

These records must be maintained at the facility for a period of five (5) years.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 159: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 159.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009 Emission Point: 00144

Item 159.2:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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.

The initial report is due 4/30/2002.

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

Condition 160: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 160.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009 Emission Point: 00144

Item 160.2:

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).

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.

The initial report is due 4/30/2002.

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

Condition 161: Compliance Certification

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 161.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00009 Emission Point: 00144

Item 161.2:

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":



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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.

The initial report is due 4/30/2002.

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

Condition 2-15: Compliance Certification

Effective between the dates of 08/01/2005 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 2-15.1:

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 2-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Regenerative Thermal Oxidizer/scrubber control system

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



shall operate continuously while contaminants are being emitted from process sources. When production is shut down, and after equipment has been purged, room air only may be vented via bypass vents in order to maintain required air flows through the rooms.

The bypass line valves used shall be kept in the closed position at all times that associated process sources are in operation or being purged. The bypass line valves shall be proven shut by a valve position switch prior to restarting equipment, during batch processing and during purging to ensure that process gases are not being diverted through the bypass line.

To prevent the backflow of contaminant laden gases from the main manifold into the room air during bypass periods, line valves shall be installed between the main manifold, and the process equipment and main trunks of the fugitive emissions collection systems. These line valves shall be kept in the closed position at all times that bypass line valves are in the open position. The bypass line valves shall be proven open by a valve position switch, and the backflow prevention line valves shall be proven closed by a valve position switch.

A record of valve position shall be maintained, documenting the position of the line valves at all times. Each record shall include the date and time of every valve transition, the end position, status of associated process equipment (off-line or on-line), and whether or not the valve position complied with the above requirements. Note that equipment status is considered to be on-line while purging.

Source owner shall report all periods during which a line valve is found to be in a position contrary to that specified above.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2005.

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

Condition 1-39: Compliance Certification

Effective between the dates of 09/16/2002 and 11/12/2006



Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 1-39.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00013

Regulated Contaminant(s):

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

Item 1-39.2:

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: UPON REQUEST BY REGULATORY AGENCY

Condition 5-25: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-25.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 5-25.2:

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

Item 5-25.3:

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 5-25.4:

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 5-25.5:

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 5-25.6:

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 5-25.7:

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 (NO_x) from this emission point, source owner must complete a performance test within 180 days of the date that process emissions are first introduced into the regenerative thermal oxidizer/scrubber control system.



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Subsequent testing may be required at the discretion of the Department. This is part of the facility-wide plan to demonstrate compliance with NOx caps and is necessary to mitigate ambient impacts.

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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-26: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

Applicable Federal Requirement: 6NYCRR 201-7

Item 5-26.1:

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

6NYCRR 212.10

6NYCRR 228.1

40CFR 63-GGG.1250(a)

Item 5-26.2:

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

Item 5-26.3:

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

Item 5-26.4:

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

Item 5-26.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 5-26.6:

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 5-26.7:

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. Within 180 days of the date that process emissions are first introduced into the regenerative thermal oxidizer/scrubber control system, and once each permit term thereafter, source owner shall perform stack testing 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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5-27: Capping Monitoring Condition

Effective between the dates of 02/08/2006 and 11/12/2006

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Applicable Federal Requirement: 6NYCRR 201-7

Item 5-27.1:

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

40CFR 63-GGG.1250(a)

Item 5-27.2:

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

Item 5-27.3:

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

Item 5-27.4:

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

Item 5-27.5:

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

Item 5-27.6:

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 5-27.7:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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 180 days of the date that process emissions are first introduced into the regenerative thermal oxidizer/scrubber control system, and once each permit term thereafter, source owner 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: ONCE / BATCH OR MONITORING OCCURRENCE



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 1-43: Contaminant List

Effective between the dates of 09/16/2002 and 11/12/2006

Applicable State Requirement: ECL 19-0301

Item 1-43.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000092-52-4

Name: 1, 1 BIPHENYL

CAS No: 000107-06-2

Name: 1,2-DICHLOROETHANE

CAS No: 000123-31-9

Name: 1,4-BENZENEDIOL

CAS No: 000123-91-1

Name: 1,4-DIETHYLENE DIOXIDE

CAS No: 000109-86-4

Name: 2-METHOXYETHANOL

CAS No: 000108-10-1

Name: 2-PENTANONE, 4-METHYL

CAS No: 000075-07-0

Name: ACETALDEHYDE

CAS No: 000075-05-8

Name: ACETONITRILE

CAS No: 000062-53-3

Name: ANILINE

CAS No: 000100-44-7

Name: BENZYL CHLORIDE

CAS No: 010294-34-5

Name: BORANE, TRICHLORO

CAS No: 007726-95-6

Name: BROMINE

CAS No: 007782-50-5

Name: CHLORINE

CAS No: 000067-66-3

Name: CHLOROFORM

CAS No: 000075-09-2

Name: DICHLOROMETHANE

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



CAS No: 000071-55-6

Name: ETHANE, 1,1,1-TRICHLORO

CAS No: 000106-93-4

Name: ETHANE, 1,2-DIBROMO

CAS No: 000111-96-6

Name: ETHANE,1,1'-OXYBIS[-METHOXY]

CAS No: 000110-71-4

Name: ETHYLENE GLYCOL DIMETHYL ETHER

CAS No: 000068-12-2

Name: FORMAMIDE, N,N-DIMETHYL

CAS No: 0NY100-00-0

Name: HAP

CAS No: 000110-54-3

Name: HEXANE

CAS No: 000302-01-2

Name: HYDRAZINE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 000067-56-1

Name: METHYL ALCOHOL

CAS No: 000074-88-4

Name: METHYL IODIDE

CAS No: 001634-04-4

Name: METHYL TERTBUTYL ETHER

CAS No: 000121-44-8

Name: N,N-DIETHYL ETHANAMINE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 000108-95-2

Name: PHENOL

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



CAS No: 0NY075-00-5

Name: PM-10

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 000077-78-1

Name: SULFURIC ACID, DIMETHYL ESTER

CAS No: 000108-88-3

Name: TOLUENE

CAS No: 000079-01-6

Name: TRICHLOROETHYLENE

CAS No: 0NY998-00-0

Name: VOC

CAS No: 001330-20-7

Name: XYLENE, M, O & P MIXT.

Condition 2-16: Unavoidable noncompliance and violations
Effective between the dates of 08/01/2005 and 11/12/2006

Applicable State Requirement: 6NYCRR 201-1.4

Item 2-16.1:

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



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

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 187: Air pollution prohibited
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable State Requirement: 6NYCRR 211.2

Item 187.1:

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 188: Emissions from new emission sources and/or modifications
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 188.1:



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

This Condition applies to Emission Unit: 0-00002

Item 188.2:

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 189: Emissions from new emission sources and/or modifications
Effective between the dates of 11/13/2001 and 11/12/2006**

Applicable State Requirement: 6NYCRR 212.4(a)

Item 189.1:

This Condition applies to Emission Unit: 0-00003

Item 189.2:

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 190: Emissions from new emission sources and/or modifications
Effective between the dates of 11/13/2001 and 11/12/2006**

Applicable State Requirement: 6NYCRR 212.4(a)

Item 190.1:

This Condition applies to Emission Unit: 0-00004

Item 190.2:

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 191: Emissions from new emission sources and/or modifications
Effective between the dates of 11/13/2001 and 11/12/2006**

Applicable State Requirement: 6NYCRR 212.4(a)

Item 191.1:

This Condition applies to Emission Unit: 0-00005

Item 191.2:

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 192: Emissions from new emission sources and/or modifications



New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 192.1:

This Condition applies to Emission Unit: 0-00006

Item 192.2:

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 194: Emissions from new emission sources and/or modifications

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 194.1:

This Condition applies to Emission Unit: 0-00008

Item 194.2:

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 195: Emissions from new emission sources and/or modifications

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 195.1:

This Condition applies to Emission Unit: 0-00009

Item 195.2:

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 196: Compliance Demonstration

Effective between the dates of 11/13/2001 and 11/12/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 196.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00009

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



Item 196.2:

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.

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.

The initial report is due 4/30/2002.

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

Condition 197: Compliance Demonstration
Effective between the dates of 11/13/2001 and 11/12/2006

Applicable State Requirement: 6NYCRR 212.4(a)

Item 197.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-00009

Item 197.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-0928-00017/00291

Facility DEC ID: 5092800017



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.

The initial report is due 4/30/2002.

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

**Condition 2-30: Emissions from new emission sources and/or modifications
Effective between the dates of 08/01/2005 and 11/12/2006**

Applicable State Requirement: 6NYCRR 212.4(a)

Item 2-30.1:

This Condition applies to Emission Unit: 0-00013



Item 2-30.2:

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.