

New York State Department of Environmental Conservation
Facility DEC ID: 4381400016



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-3814-00016/00247
Effective Date: 07/16/2001 Expiration Date: 07/16/2006

Permit Issued To: ORGANICHEM CORP
33 RIVERSIDE AVE
RENSSELAER, NY 12144

Facility: ORGANICHEM CORP
33 RIVERSIDE AVE
RENSSELAER, NY 12144

Contact: JEAN P. MONTEAU
ORGANICHEM CORPORATION
33 RIVERSIDE AVENUE
RENSSELAER, NY 12144
(518) 433-7771

Description:

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

Permit Administrator: ARTHUR N. HENNINGSON
1150 NORTH WESCOTT RD
SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ____ / ____ / ____

FINAL



Notification of Other 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, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms and conditions of the permit.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

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



DEC GENERAL CONDITIONS

****** General Provisions ******

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 _____

Item 1.3:

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

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

Item 2.1:

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

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

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

Item 4.1:

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

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- 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 materially changed since the permit was issued.

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

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

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1150 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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33 RIVERSIDE AVENUE
RENSSELAER, NY 12144
(518) 433-7771

Authorized Activity By Standard Industrial Classification Code:
2834 - PHARMACEUTICAL PREPARATIONS
2835 - DIAGNOSTIC SUBSTANCES

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- 56 Compliance Certification (EU=U-00001,EP=01001,Proc=104,ES=01S02)
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FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 1: Sealing

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 200.5

Item 1.1:

(a) The commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the commissioner issued in the case of the violation. Sealing means labelling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

Condition 2: Acceptable ambient air quality

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 200.6

Item 2.1:

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

Condition 3: Maintenance of equipment

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 200.7

Item 3.1:

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



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Condition 4: Unpermitted Emission Sources

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-1.2

Item 4.1:

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

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Condition 5: Unavoidable Noncompliance and Violations

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-1.4

Item 5.1:

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 or certificate issued for the corresponding air contamination source. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.
- (b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.



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

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

Condition 6: Emergency Defense
Effective between the dates of 07/16/2001 and 07/16/2006

rd Applicable Federal Requirement: 6NYCRR 201-1.5

Item 6.1:

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.

Condition 7: Recycling and Salvage
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-1.7



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Item 7.1:

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 6 NYCRR.

Condition 8: Prohibition of Reintroduction of Collected Contaminants to the Air

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 8.1:

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

Condition 9: Public Access to Recordkeeping for Title V facilities

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-1.10(b)

Item 9.1:

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Condition 10: Proof of Eligibility

Effective between the dates of 07/16/2001 and 07/16/2006

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

Item 10.1:

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 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Condition 11: Proof of Eligibility

Effective between the dates of 07/16/2001 and 07/16/2006

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

Item 11.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part



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

Condition 12: Applicable Criteria, Limits, Terms, Conditions and Standards

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 12.1:

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

- i. Any reporting requirements and operations under an accidental release plan, response plan, and compliance plan as approved as of the date of the permit issuance, or
- ii. Any support documents submitted as a part of the permit application for this facility as accepted and approved as of the date of permit issuance.

Any noncompliance with the federally-enforceable portions of this permit constitutes a violation of the federal Clean Air Act and will be grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

Item 12.2:

Any document, including reports, required by the federally-enforceable portions of this permit shall contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

Condition 13: Cessation or Reduction of Permitted Activity Not a Defense

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 13.1:

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Condition 14: Compliance Requirements

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

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Item 14.1:

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 the responsible official, consistent with Section 201-6.3 of Part 201.

Item 14.2:

The permittee shall comply with the approved compliance schedule for this permit if such a schedule is a part of this permit. Risk management plans must be submitted to the Administrator if required by Section 112(r) of the Clean Air Act for this facility.

Item 14.3:

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

- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 15: Federally-Enforceable Requirements

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 15.1:

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



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only state regulations.

Condition 16: Fees

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 16.1:

The permittee shall pay the required fees associated with this permit.

Condition 17: Monitoring, Related Recordkeeping and Reporting Requirements

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 17.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, 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 18: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 18.1:

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 relieve the permittee from the requirement to comply with any condition contained in this permit.

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Condition 19: Permit Shield

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.



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Item 19.1:

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

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

Condition 20: Property Rights

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 20.1:

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

Condition 21: Reopening for Cause

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 21.1:

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.



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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.

Item 21.2:

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.

Item 21.3:

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

Condition 22: Right to Inspect

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 22.1:

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

i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

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

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

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

Condition 23: Severability

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 23.1:



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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.

Condition 24: Emission Unit Definition

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 24.1:

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

Emission Unit: U-00001

Emission Unit Description:

EMISSION UNIT U-00001 INCLUDES ALL
EMISSION SOURCES IN BLDG. 1 AND BLDG. 20
AND THE METHANOL RECOVERY TANKS.

Building(s): 1
20

Item 24.2:

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

Emission Unit: U-00002

Emission Unit Description:

EMISSION UNIT U-00002 INCLUDES ALL
EMISSION SOURCES IN BUILDING 2.

Building(s): 2

Item 24.3:

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

Emission Unit: U-00003

Emission Unit Description:

EMISSION UNIT U-00003 INCLUDES ALL
EMISSION SOURCES IN BUILDING 33.

Building(s): 33

Item 24.4:

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

Emission Unit: U-00004

Emission Unit Description:

EMISSION UNIT U-00004 INCLUDES ALL
EMISSION SOURCES IN BUILDING 4.

Building(s): 4

Item 24.5:

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



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Emission Unit: U-00005

Emission Unit Description:

EMISSION UNIT U-00005 INCLUDES ALL
EMISSION SOURCES IN BUILDING 19.

Building(s): 1
19
33

Item 24.6:

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

Emission Unit: U-00006

Emission Unit Description:

EMISSION UNIT U-00006 INCLUDES ALL BULK
STORAGE ACTIVITIES SITE WIDE.

Building(s): YD

Item 24.7:

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

Emission Unit: U-00008

Emission Unit Description:

EMISSION UNIT U-00008 INCLUDES ALL
SECONDARY EMISSION SOURCES ASSOCIATED WITH
THE SITE'S WASTE WATER TREATMENT PLANT
(WWTP).

Building(s): YD

Condition 26: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

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

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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.

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 every 6 calendar months (January - June, July - December)

Condition 25: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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Compliance certifications shall contain the following information:

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

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.

All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

1150 North Westcott Road
Schenectady, NY 12306-2014

The address for the BCME is as follows:



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

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after previous reporting period

Condition 27: Permit Exclusion Provisions
Effective between the dates of 07/16/2001 and 07/16/2006

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

Item 27.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 28: Synthetic minor facility capping provisions.
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-7.2

Item 28.1:



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

Item 28.2:

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

Item 28.3:

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

Item 28.4:

The emission of pollutants in exceedance of the applicability thresholds for obtaining a Title V facility permit or other applicable requirements constitutes a violation of Part 201 and of the Act.

Condition 29: Required emissions tests

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 29.1:

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

Condition 30: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

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

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year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 31: Recordkeeping requirements

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 31.1:

(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 32: Visible emissions limited.

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 211.3

Item 32.1:

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 33: Open Fires Prohibited at Industrial and Commercial Sites

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 215.

Item 33.1:

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

Condition 34: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

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

Item 34.1:



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The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Monitoring shall be conducted in accordance with the facility's December, 1993 LDAR Plan in their VOC RACT Compliance Plan: In buildings 2, 4, 19, and 33, the batch product equipment train shall be tested for leaks before VOCs are fed to the equipment and the equipment is placed in VOC service. Testing is required only for the new or disturbed equipment. Testing shall only apply to those batch processes that operate for more than 300 hours in VOC service during a calendar year. For pressure or vacuum tests, a leak is detected if the rate of change in pressure is greater than the upper limit or if there is visible, audible or olfactory evidence of fluid loss. For pressure tests using a liquid, a leak is detected if there are indications of liquids dripping or if there is other evidence of fluid loss. Repairs must be made within 15 calendar days. Delay of a repair is allowed if the conditions described in the LDAR Plan exist.

Parameter Monitored: PRESSURE CHANGE

Upper Limit of Monitoring: 2 pounds per square inch gauge

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL
CHANGE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT
ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 35: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

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

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:



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Facility DEC ID: 4381400016

CAS No: 0NY998-00-0

Name: VOC

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: AMBIENT AIR MONITORING

Monitoring Description:

Monitoring shall be conducted in accordance with the facility's December, 1993 LDAR Plan in their VOC RACT Compliance Plan. Each pump, agitator, connector, valve, sampling connection system, and instrument monitoring system in building 1, building 20 and the bulk storage system shall be monitored. Repairs of leaks must be made within 15 calendar days. Pumps and valves in heavy liquid service, pressure relief devices in light and heavy liquid service, and flanges and other connectors shall be instrumentally monitored within 5 days of the discovery of a leak. If the instrument confirms leakage greater than the upper limit, repairs must be made within 15 calendar days. Delay of a repair is allowed if the conditions described in the LDAR Plan exist.

Upper Limit of Monitoring: 10000 parts per million (by volume)

Reference Test Method: USEPA Method 21

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 36: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.3(e)

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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Centrifuge and filter requirements: All centrifuges containing VOC, rotary vacuum filters processing VOC and any other filters having an exposed liquid surface where the liquid contains VOC and exerts a total vapor pressure of 0.5 psi or more at 20 deg C, must be enclosed unless production, sampling, maintenance, or inspection procedures require operator access.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 37: Compliance Certification
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.3(f)

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In-process tank requirements: For in-process tanks containing VOC, 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: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 38: Compliance Certification
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.5

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

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Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following records must be maintained at the facility
for a period of five years:

(a) The vapor pressure of the VOC at 20 deg C being
controlled must be recorded for every process.

(b) For any leak subject to the LDAR Plan, record keeping
and reporting shall be done in accordance with the
facility's December, 1993 LDAR Plan in their VOC RACT
Compliance Plan.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 39: Facility Permissible Emissions

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 40CFR 63, Subpart GGG

Item 39.1:

The sum of emissions from the emission units specified in this permit shall not exceed the following
Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000067-56-1 PTE: 19,250 pounds per year
Name: METHYL ALCOHOL

CAS No: 000108-88-3 PTE: 19,000 pounds per year
Name: TOLUENE

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

CAS No: 0NY100-00-0 PTE: 48,000 pounds per year
Name: HAP



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Condition 40: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 40CFR 63, Subpart GGG

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 40.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Individual HAP emissions capped to less than 9.5 ton/yr to absolve the facility from the Pharmaceutical MACT requirements. The facility maintains a spreadsheet that calculates individual HAP emissions at the facility. Processes, batches, and production are tracked in addition to emissions from bulk storage, fugitives and exempt sources.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after previous reporting period

Condition 41: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 40CFR 63, Subpart GGG

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 0NY100-00-0

Name: HAP

Item 41.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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Monitoring Description:

Total HAP emissions capped to less than 23.75 ton/yr to absolve the facility from the Pharmaceutical MACT requirements. The facility maintains a spreadsheet that calculates total HAP emissions at the facility. Processes, batches, and production are tracked in addition to emissions from bulk storage, fugitives and exempt sources.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after previous reporting period

Condition 42: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 40CFR 63, Subpart GGG

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 001330-20-7

Name: XYLENE, M, O & P MIXT.

Item 42.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Individual HAP emissions capped to less than 9.5 ton/yr to absolve the facility from the Pharmaceutical MACT requirements. The facility maintains a spreadsheet that calculates individual HAP emissions at the facility. Processes, batches, and production are tracked in addition to emissions from bulk storage, fugitives and exempt sources.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after previous reporting period

Condition 43: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 40CFR 63, Subpart GGG



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Item 43.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 000108-88-3

Name: TOLUENE

Item 43.2:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Individual HAP emissions capped to less than 9.5 ton/yr to absolve the facility from the Pharmaceutical MACT requirements. The facility maintains a spreadsheet that calculates individual HAP emissions at the facility. Processes, batches, and production are tracked in addition to emissions from bulk storage, fugitives and exempt sources.

Monitoring Frequency: MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after previous reporting period

Condition 44: Recycling and Emissions Reduction

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 44.1:

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVAC's in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.
- d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak



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repair requirements pursuant to 40 CFR Part 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

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

Condition 45: Emission Point Definition By Emission Unit
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.

Item 45.1:

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

Emission Unit: U-00001

Emission Point: 01001

Height (ft.): 85

Diameter (in.): 14

NYTMN (km.): 4720.120

NYTME (km.): 603.3

Building: 1

Emission Point: 01002

Height (ft.): 85

Diameter (in.): 8

NYTMN (km.): 4720.1

NYTME (km.): 603.3

Building: 1

Emission Point: 01003

Height (ft.): 80

Diameter (in.): 6

NYTMN (km.): 4720.1

NYTME (km.): 603.3

Building: 1

Emission Point: 01004

Height (ft.): 85

Diameter (in.): 14

NYTMN (km.): 4720.1

NYTME (km.): 603.3

Building: 1

Emission Point: 01005

Height (ft.): 80

Diameter (in.): 2

NYTMN (km.): 4720.1

NYTME (km.): 603.3

Building: 1

Emission Point: 01006

Height (ft.): 2

Diameter (in.): 2

NYTMN (km.): 4720.1

NYTME (km.): 603.3

Building: 1

Emission Point: 01007

Height (ft.): 2

Length (in.): 16

Width (in.): 16

NYTMN (km.): 4720.1

NYTME (km.): 603.3

Building: 1

Emission Point: 01008

Height (ft.): 2

Length (in.): 14

Width (in.): 14



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NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 1

Emission Point: 01009

Height (ft.): 72 Length (in.): 14 Width (in.): 14
NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 1

Emission Point: 01010

Height (ft.): 72 Length (in.): 18 Width (in.): 18
NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 1

Emission Point: 01011

Height (ft.): 72 Length (in.): 20 Width (in.): 20
NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 1

Emission Point: 01012

Height (ft.): 72 Length (in.): 20 Width (in.): 20
NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 1

Emission Point: 01013

Height (ft.): 72 Length (in.): 22 Width (in.): 22
NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 1

Emission Point: 01014

Height (ft.): 72 Length (in.): 22 Width (in.): 22
NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 1

Emission Point: 01015

Height (ft.): 72 Length (in.): 14 Width (in.): 14
NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 1

Emission Point: 20001

Height (ft.): 34 Diameter (in.): 2
NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 1

Item 45.2:

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

Emission Unit: U-00002

Emission Point: 02002

Height (ft.): 30 Diameter (in.): 6

Emission Point: 02004

Height (ft.): 32 Diameter (in.): 6
NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 2

Emission Point: 02005

Height (ft.): 32 Diameter (in.): 6



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NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 2
Emission Point: 02006		
Height (ft.): 32	Diameter (in.): 6	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 2
Emission Point: 02007		
Height (ft.): 32	Diameter (in.): 6	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 2
Emission Point: 02018		
Height (ft.): 35	Diameter (in.): 8	

Item 45.3:

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

Emission Unit: U-00003		
Emission Point: 33001		
Height (ft.): 30	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33002		
Height (ft.): 37	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33003		
Height (ft.): 37	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33004		
Height (ft.): 37	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33005		
Height (ft.): 29	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33006		
Height (ft.): 37	Diameter (in.): 1	
NYTMN (km.): 4720.2	NYTME (km.): 603.3	Building: 33
Emission Point: 33007		
Height (ft.): 31	Diameter (in.): 2	
NYTMN (km.): 4720.01	NYTME (km.): 603.3	Building: 33
Emission Point: 33008		
Height (ft.): 37	Diameter (in.): 1	



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NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33009		
Height (ft.): 37	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33010		
Height (ft.): 37	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33011		
Height (ft.): 30	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33012		
Height (ft.): 37	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33015		
Height (ft.): 37	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33017		
Height (ft.): 30	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33018		
Height (ft.): 30	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33020		
Height (ft.): 30	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33021		
Height (ft.): 32	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33022		
Height (ft.): 34	Diameter (in.): 6	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33023		
Height (ft.): 6	Diameter (in.): 10	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33024		
Height (ft.): 34	Diameter (in.): 6	



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NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33025		
Height (ft.): 34	Diameter (in.): 6	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33026		
Height (ft.): 34	Diameter (in.): 6	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33027		
Height (ft.): 30	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33029		
Height (ft.): 30	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33030		
Height (ft.): 30	Diameter (in.): 12	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33031		
Height (ft.): 30	Diameter (in.): 12	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33032		
Height (ft.): 30	Diameter (in.): 12	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33033		
Height (ft.): 30	Diameter (in.): 12	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33034		
Height (ft.): 30	Diameter (in.): 4	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33035		
Height (ft.): 31	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33036		
Height (ft.): 30	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33037		
Height (ft.): 30	Diameter (in.): 6	



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NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33038		
Height (ft.): 35	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33040		
Height (ft.): 31	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33042		
Height (ft.): 31	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33043		
Height (ft.): 32	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33044		
Height (ft.): 26	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33045		
Height (ft.): 31	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33046		
Height (ft.): 26	Diameter (in.): 3	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33047		
Height (ft.): 28	Diameter (in.): 1	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33048		
Height (ft.): 28	Diameter (in.): 2	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33049		
Height (ft.): 28	Diameter (in.): 3	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33054		
Height (ft.): 29	Diameter (in.): 4	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33
Emission Point: 33055		
Height (ft.): 31	Diameter (in.): 3	



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NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33056

Height (ft.): 31

Diameter (in.): 1

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33060

Height (ft.): 29

Diameter (in.): 2

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33066

Height (ft.): 30

Diameter (in.): 1

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33069

Height (ft.): 32

Diameter (in.): 1

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33076

Height (ft.): 33

Diameter (in.): 4

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33079

Height (ft.): 31

Diameter (in.): 3

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33080

Height (ft.): 31

Diameter (in.): 1

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33081

Height (ft.): 30

Diameter (in.): 3

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33084

Height (ft.): 31

Diameter (in.): 2

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Emission Point: 33085

Height (ft.): 31

Diameter (in.): 1

NYTMN (km.): 4720.1 NYTME (km.): 603.3 Building: 33

Item 45.4:

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

Emission Unit: U-00004

Emission Point: 04001



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Height (ft.): 30
NYTMN (km.): 4720.1 Diameter (in.): 3
NYTME (km.): 603.3 Building: 4

Emission Point: 04002
Height (ft.): 10
NYTMN (km.): 4720.1 Diameter (in.): 2
NYTME (km.): 603.3 Building: 4

Emission Point: 04003
Height (ft.): 25
NYTMN (km.): 4720.1 Diameter (in.): 9
NYTME (km.): 603.3 Building: 4

Emission Point: 04004
Height (ft.): 27
NYTMN (km.): 4720.1 Diameter (in.): 15
NYTME (km.): 603.3 Building: 4

Emission Point: 04005
Height (ft.): 28
NYTMN (km.): 4720.1 Diameter (in.): 19
NYTME (km.): 603.3 Building: 4

Item 45.5:

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

Emission Unit: U-00005

Emission Point: 19006
Height (ft.): 27
NYTMN (km.): 4720.1 Diameter (in.): 6
NYTME (km.): 603.3 Building: 19

Emission Point: 19007
Height (ft.): 30
NYTMN (km.): 4720.1 Diameter (in.): 12
NYTME (km.): 603.3 Building: 19

Emission Point: 19008
Height (ft.): 44
NYTMN (km.): 4720.1 Diameter (in.): 24
NYTME (km.): 603.3 Building: 19

Emission Point: 19009
Height (ft.): 24
NYTMN (km.): 4720.1 Diameter (in.): 6
NYTME (km.): 603.3 Building: 19

Emission Point: 19010
Height (ft.): 25
NYTMN (km.): 4720.1 Diameter (in.): 6
NYTME (km.): 603.3 Building: 19

Emission Point: 19011
Height (ft.): 18
NYTMN (km.): 4720.1 Diameter (in.): 7
NYTME (km.): 603.3 Building: 19



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Emission Point: 19012			
Height (ft.): 35	Diameter (in.): 2		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 19	
Emission Point: 19013			
Height (ft.): 20	Diameter (in.): 1		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33	
Emission Point: 19014			
Height (ft.): 25	Length (in.): 10	Width (in.): 6	
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 19	
Emission Point: 19016			
Height (ft.): 12	Diameter (in.): 1		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 19	
Emission Point: 19017			
Height (ft.): 27	Diameter (in.): 2		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 33	
Emission Point: 19018			
Height (ft.): 27	Diameter (in.): 2		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 19	
Emission Point: 19019			
Height (ft.): 20	Diameter (in.): 1		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 19	
Emission Point: 19022			
Height (ft.): 29	Diameter (in.): 1		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: 19	

Item 45.6:

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

Emission Unit: U-00006			
Emission Point: YD001			
Height (ft.): 20	Diameter (in.): 3		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	
Emission Point: YD002			
Height (ft.): 20	Diameter (in.): 3		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	
Emission Point: YD003			
Height (ft.): 19	Diameter (in.): 2		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	



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Emission Point: YD004			
Height (ft.): 24	Diameter (in.): 2		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	
Emission Point: YD005			
Height (ft.): 24	Diameter (in.): 2		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	
Emission Point: YD006			
Height (ft.): 20	Diameter (in.): 3		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	
Emission Point: YD007			
Height (ft.): 20	Diameter (in.): 2		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	
Emission Point: YD009			
Height (ft.): 21	Diameter (in.): 1		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	
Emission Point: YD010			
Height (ft.): 21	Diameter (in.): 1		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	
Emission Point: YD011			
Height (ft.): 21	Diameter (in.): 10		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	

s20

Item 45.7:

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

Emission Unit: U-00008			
Emission Point: WW001			
Height (ft.): 8	Diameter (in.): 3		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	
Emission Point: WW002			
Height (ft.): 8	Diameter (in.): 3		
NYTMN (km.): 4720.1	NYTME (km.): 603.3	Building: YD	

Condition 46: Process Definition By Emission Unit
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 201-6.



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Item 46.1:

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

Emission Unit: U-00001

Process: 101

Source Classification Code: 3-01-060-99

Process Description:

AMINOBISAMIDE - BATCH PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 01S04 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01F02 - Process

Emission Source/Control: 01F05 - Process

Emission Source/Control: 01F09 - Process

Emission Source/Control: 01F11 - Process

Emission Source/Control: 01F12 - Process

Emission Source/Control: 01K01 - Process

Emission Source/Control: 01K04 - Process

Emission Source/Control: 01K05 - Process

Emission Source/Control: 01K16 - Process

Emission Source/Control: 01R08 - Process

Emission Source/Control: 01R10 - Process

Emission Source/Control: 01R35 - Process

Emission Source/Control: 01R37 - Process

Item 46.2:

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

Emission Unit: U-00001

Process: 102

Source Classification Code: 3-01-060-99

Process Description:

IOHEXOL INTERMEDIATE I - BATCH
PHARMACEUTICAL PRODUCTION (CHEMICAL
SYNTHESIS).



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Emission Source/Control: 01S04 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01D04 - Process

Emission Source/Control: 01D05 - Process

Emission Source/Control: 01D06 - Process

Emission Source/Control: 01F03 - Process

Emission Source/Control: 01K09 - Process

Emission Source/Control: 01K11 - Process

Emission Source/Control: 01R11 - Process

Emission Source/Control: 01R12 - Process

Emission Source/Control: 01R13 - Process

Emission Source/Control: 01R23 - Process

Item 46.3:

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

Emission Unit: U-00001

Process: 103

Source Classification Code: 3-01-060-99

Process Description:

IOHEXOL INTERMEDIATE II - BATCH
PHARMACEUTICAL PRODUCTION (CHEMICAL
SYNTHESIS)

Emission Source/Control: 01S04 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 01C09 - Process

Emission Source/Control: 01F04 - Process

Emission Source/Control: 01K10 - Process

Emission Source/Control: 01K12 - Process

Emission Source/Control: 01K13 - Process

Emission Source/Control: 01K14 - Process



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Emission Source/Control: 01R14 - Process

Emission Source/Control: 01R15 - Process

Emission Source/Control: 01R16 - Process

Emission Source/Control: 01R22 - Process

Emission Source/Control: 01R39 - Process

Emission Source/Control: 10T08 - Process

Emission Source/Control: 1DT09 - Process

Emission Source/Control: 1DT10 - Process

Item 46.4:

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

Emission Unit: U-00001

Process: 104

Source Classification Code: 3-01-060-99

Process Description:

SODIUM IODINE DICHLORIDE - BATCH
PHARMACEUTICAL PRODUCTION (CHEMICAL
SYNTHESIS).

Emission Source/Control: 01S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01K03 - Process

Emission Source/Control: 01R04 - Process

Item 46.5:

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

Emission Unit: U-00001

Process: 105

Source Classification Code: 3-01-060-99

Process Description:

METHANOL RECOVERY SYSTEM - METHANOL
DISTILLATION COLUMN.

Emission Source/Control: 20L01 - Process

Emission Source/Control: 20T01 - Process

Emission Source/Control: 20T02 - Process



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Emission Source/Control: 20T03 - Process

Emission Source/Control: 20T04 - Process

Emission Source/Control: 20T05 - Process

Emission Source/Control: 20T07 - Process

Item 46.6:

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

Emission Unit: U-00001

Process: 106

Source Classification Code: 3-01-060-99

Process Description:

SYLFAMYLON INTERMEDIATE I - BATCH
PHARMACEUTICAL PRODUCTION (CHEMICAL
SYNTHESIS).

Emission Source/Control: 01S05 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01C01 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Item 46.7:

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

Emission Unit: U-00001

Process: 107

Source Classification Code: 3-01-060-99

Process Description:

PLAQUENIL BASE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 01S05 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01C01 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

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Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Emission Source/Control: 01R05 - Process

Emission Source/Control: 01R06 - Process

Emission Source/Control: 01R07 - Process

Item 46.8:

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

Emission Unit: U-00001

Process: 108

Source Classification Code: 3-01-060-05

Process Description:

SP-303 INTERMEDIATE I - BULK
PHARMACEUTICAL PRODUCTION (EXTRACTION).

Emission Source/Control: 01S04 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01K10 - Process

Emission Source/Control: 01K14 - Process

Item 46.9:

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

Emission Unit: U-00001

Process: 109

Source Classification Code: 3-01-060-99

Process Description:

METOLAZONE INT. I - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 01S03 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01C01 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 1DT06 - Process

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Item 46.10:

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

Emission Unit: U-00001

Process: 110

Source Classification Code: 3-01-060-99

Process Description:

METOLAZONE INT. II - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 01S03 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01C01 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Item 46.11:

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

Emission Unit: U-00001

Process: 111

Source Classification Code: 3-01-060-99

Process Description:

PLAQUENIL BASE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 01S05 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 01C01 - Process

Emission Source/Control: 01F01 - Process

Emission Source/Control: 01K06 - Process

Emission Source/Control: 01K07 - Process

Emission Source/Control: 01K08 - Process

Emission Source/Control: 01R05 - Process

Emission Source/Control: 01R06 - Process



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Emission Source/Control: 01R07 - Process

Item 46.12:

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

Emission Unit: U-00002

Process: 201

Source Classification Code: 3-01-060-99

Process Description:

BITOLTEROL INT. IV - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02D07 - Process

Emission Source/Control: 02K16 - Process

Emission Source/Control: 02K17 - Process

Item 46.13:

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

Emission Unit: U-00002

Process: 202

Source Classification Code: 3-01-060-99

Process Description:

BITOLTEROL INT. III - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02D07 - Process

Emission Source/Control: 02K16 - Process

Emission Source/Control: 02K17 - Process

Emission Source/Control: 02K18 - Process

Item 46.14:



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

Emission Unit: U-00002

Process: 203

Source Classification Code: 3-01-060-99

Process Description:

BITOLTEROL INT. II - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02D05 - Process

Emission Source/Control: 02D06 - Process

Emission Source/Control: 02D07 - Process

Emission Source/Control: 02D08 - Process

Emission Source/Control: 02K16 - Process

Emission Source/Control: 02K17 - Process

Item 46.15:

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

Emission Unit: U-00002

Process: 204

Source Classification Code: 3-01-060-99

Process Description:

BITOLTEROL INT. I - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02D05 - Process

Emission Source/Control: 02D06 - Process

0 Emission Source/Control: 02D07 - Process

Emission Source/Control: 02D08 - Process

Emission Source/Control: 02K16 - Process

Emission Source/Control: 02K17 - Process

Item 46.16:

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

Emission Unit: U-00002

Process: 205

Source Classification Code: 3-01-060-99

Process Description:

LEVOPHED BITARTRATE PURE - BULK



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PHARMACEUTICAL PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02K13 - Process

Emission Source/Control: 02K14 - Process

Emission Source/Control: 2VD02 - Process

Item 46.17:

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

Emission Unit: U-00002

Process: 206

Source Classification Code: 3-01-060-99

Process Description:

**ARTERENOL BASE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).**

Emission Source/Control: 02S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02K17 - Process

Emission Source/Control: 02K18 - Process

Item 46.18:

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

Emission Unit: U-00002

Process: 207

Source Classification Code: 3-01-060-99

Process Description:

**DIBENZYL ARTERENOL - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).**

Emission Source/Control: 02S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control
Control Type: WET SCRUBBER

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Emission Source/Control: 02K16 - Process

Emission Source/Control: 02K17 - Process

Item 46.19:

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

Emission Unit: U-00002

Process: 208

Source Classification Code: 3-01-060-99

Process Description:

MYTELASE CHLORIDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02F08 - Process

Emission Source/Control: 02K01 - Process

Emission Source/Control: 02K02 - Process

Emission Source/Control: 02R01 - Process

Emission Source/Control: 02R02 - Process

Emission Source/Control: 02R05 - Process

Emission Source/Control: 02R06 - Process

Item 46.20:

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

Emission Unit: U-00002

Process: 209

Source Classification Code: 3-01-060-99

Process Description:

MYTELASE INT. I - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control

Control Type: WET SCRUBBER



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Emission Source/Control: 02F08 - Process

Emission Source/Control: 02K13 - Process

Emission Source/Control: 02K14 - Process

Emission Source/Control: 02R05 - Process

Emission Source/Control: 02R06 - Process

Item 46.21:

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

Emission Unit: U-00002

Process: 210

Source Classification Code: 3-01-060-99

Process Description:

MANGAFODIPIR PURE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02K01 - Process

Emission Source/Control: 02K14 - Process

Emission Source/Control: 2DT01 - Process

Emission Source/Control: 2VD02 - Process

Item 46.22:

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

Emission Unit: U-00002

Process: 211

Source Classification Code: 3-01-060-99

Process Description:

MANGAFODIPIR CRUDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02K01 - Process

Emission Source/Control: 02K14 - Process

Emission Source/Control: 2DT02 - Process

Emission Source/Control: 2VD02 - Process

Item 46.23:

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



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Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

Emission Unit: U-00002

Process: 212

Source Classification Code: 3-01-060-99

Process Description:

FODIPIR PURE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 02K01 - Process

Emission Source/Control: 02K14 - Process

Emission Source/Control: 2DT01 - Process

Emission Source/Control: 2DT14 - Process

Emission Source/Control: 2VD02 - Process

Item 46.24:

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

Emission Unit: U-00002

Process: 213

Source Classification Code: 3-01-060-99

Process Description:

FODIPIR CRUDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02K01 - Process

Emission Source/Control: 2DT02 - Process

Emission Source/Control: 2VD02 - Process

Item 46.25:

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

Emission Unit: U-00002

Process: 214

Source Classification Code: 3-01-060-99

Process Description:

FODIPIR DIAMINE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 02S01 - Control

Control Type: WET SCRUBBER



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Emission Source/Control: 02S02 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02K18 - Process

Item 46.26:

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

Emission Unit: U-00002

Process: 215

Source Classification Code: 3-01-060-05

Process Description:

SP-303 PURE - BULK PHARMACEUTICAL
PRODUCTION (EXTRACTION).

Emission Source/Control: 02S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02K20 - Process

Item 46.27:

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

Emission Unit: U-00002

Process: 216

Source Classification Code: 3-01-060-99

Process Description:

LEVOPHED BITARTRATE CRUDE - BULK
PHARMACEUTICAL PRODUCTION (CHEMICAL
SYNTHESIS).

Emission Source/Control: 02S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02S02 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 02K17 - Process

Item 46.28:

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

Emission Unit: U-00003

Process: 301

Source Classification Code: 3-01-060-99

Process Description:

NITRILE CHLORIDE - BULK PHARMACEUTICAL

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PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 33S03 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00D83 - Process

Emission Source/Control: 00D84 - Process

Emission Source/Control: 00D85 - Process

Emission Source/Control: 00D86 - Process

Emission Source/Control: 00D87 - Process

Emission Source/Control: 33C01 - Process

Emission Source/Control: 33K01 - Process

Emission Source/Control: 33K03 - Process

Emission Source/Control: 33K04 - Process

Emission Source/Control: 33K07 - Process

Emission Source/Control: 33K08 - Process

Emission Source/Control: 33R01 - Process

Emission Source/Control: 33R02 - Process

Emission Source/Control: 33R05 - Process

Emission Source/Control: 33R06 - Process

Emission Source/Control: 33R07 - Process

Emission Source/Control: 3DT03 - Process

Emission Source/Control: 3DT07 - Process

Item 46.29:

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

Emission Unit: U-00003



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Facility DEC ID: 4381400016

Process: 302

Source Classification Code: 3-01-060-99

Process Description:

BENZYL ESTER - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 33F01 - Process

Emission Source/Control: 33K09 - Process

Emission Source/Control: 33K10 - Process

Emission Source/Control: 33K11 - Process

Emission Source/Control: 33K25 - Process

Emission Source/Control: 33R01 - Process

Emission Source/Control: 33R02 - Process

Item 46.30:

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

Emission Unit: U-00003

Process: 303

Source Classification Code: 3-01-060-99

Process Description:

DEMEROL - BULK PHARMACEUTICAL PRODUCTION
(CHEMICAL SYNTHESIS).

Emission Source/Control: 33D91 - Process

Emission Source/Control: 33T09 - Process

Emission Source/Control: 3BD01 - Process

Emission Source/Control: 3K100 - Process

Emission Source/Control: 3K101 - Process

Emission Source/Control: 3K102 - Process

Item 46.31:

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

Emission Unit: U-00003

Process: 304

Source Classification Code: 3-01-060-99



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Process Description:

DANOCRINE CRUDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 00D85 - Process

Emission Source/Control: 00D86 - Process

Emission Source/Control: 00D87 - Process

Emission Source/Control: 33C01 - Process

Emission Source/Control: 33K01 - Process

Emission Source/Control: 33K04 - Process

Emission Source/Control: 33K08 - Process

Emission Source/Control: 33R08 - Process

Emission Source/Control: 33T07 - Process

Emission Source/Control: 3YD81 - Process

Item 46.32:

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

Emission Unit: U-00003

Process: 305

Source Classification Code: 3-01-060-99

Process Description:

DANOCRINE INT. I - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33F01 - Process

Emission Source/Control: 33K09 - Process

Emission Source/Control: 33K10 - Process

Emission Source/Control: 33K11 - Process

Emission Source/Control: 33R01 - Process

Emission Source/Control: 33R03 - Process

Emission Source/Control: 3DT09 - Process

Item 46.33:



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

Emission Unit: U-00003

Process: 306

Source Classification Code: 3-01-060-99

Process Description:

SULFAMYLON ACETATE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 00D90 - Process

Emission Source/Control: 00D91 - Process

Emission Source/Control: 3K105 - Process

Emission Source/Control: 3K106 - Process

Emission Source/Control: 3R105 - Process

Emission Source/Control: 3R106 - Process

Item 46.34:

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

Emission Unit: U-00003

Process: 307

Source Classification Code: 3-01-060-99

Process Description:

SULFAMYLON BASE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 00D83 - Process

Emission Source/Control: 00D84 - Process

Emission Source/Control: 00D85 - Process

Emission Source/Control: 00D86 - Process

Emission Source/Control: 00D87 - Process

Emission Source/Control: 33C01 - Process

Emission Source/Control: 33F01 - Process

Emission Source/Control: 33K09 - Process

Emission Source/Control: 33K11 - Process

Emission Source/Control: 33R01 - Process

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Emission Source/Control: 33R02 - Process

Emission Source/Control: 3CT01 - Process

Emission Source/Control: 3K104 - Process

Item 46.35:

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

Emission Unit: U-00003

Process: 308

Source Classification Code: 3-01-060-99

Process Description:

ACETYL BENZYLAMIDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 00HT1 - Process

Emission Source/Control: 33R01 - Process

Emission Source/Control: 33R11 - Process

Emission Source/Control: 3K103 - Process

Item 46.36:

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

Emission Unit: U-00003

Process: 309

Source Classification Code: 3-01-060-99

Process Description:

CETYL ZEPHRIN - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 0BD88 - Process

Emission Source/Control: 3K105 - Process

Emission Source/Control: 3K106 - Process

Item 46.37:

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

Emission Unit: U-00003

Process: 310

Source Classification Code: 3-01-060-99

Process Description:

HYPAAQUE SODIUM - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).



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Emission Source/Control: 00D89 - Process

Emission Source/Control: 1BD02 - Process

Emission Source/Control: 3DT06 - Process

Emission Source/Control: 3K104 - Process

Emission Source/Control: 3K105 - Process

Emission Source/Control: 3K106 - Process

Emission Source/Control: 3R104 - Process

Emission Source/Control: 3R105 - Process

Item 46.38:

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

Emission Unit: U-00003

Process: 311

Source Classification Code: 3-01-060-99

Process Description:

PRIMAQUINE PHOSPHATE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

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Emission Source/Control: 33D01 - Process

Emission Source/Control: 3K101 - Process

Emission Source/Control: 3K102 - Process

Item 46.39:

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

Emission Unit: U-00003

Process: 312

Source Classification Code: 3-01-060-99

Process Description:

PRIMAQUINE CRUDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33D01 - Process

Emission Source/Control: 33K24 - Process

Emission Source/Control: 33R08 - Process

Emission Source/Control: 33T03 - Process

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Emission Source/Control: 33T08 - Process

Emission Source/Control: 33T09 - Process

Item 46.40:

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

Emission Unit: U-00003

Process: 313

Source Classification Code: 3-01-060-99

Process Description:

HYDROXY NOVOL DIAMINE - BULK
PHARMACEUTICAL PRODUCTION (CHEMICAL
SYNTHESIS).

Emission Source/Control: 3K100 - Process

Emission Source/Control: 3K103 - Process

Emission Source/Control: R103A - Process

Emission Source/Control: R103B - Process

Item 46.41:

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

Emission Unit: U-00003

Process: 314

Source Classification Code: 3-01-060-99

Process Description:

HYDROXY NOVOL KETONE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33K24 - Process

Emission Source/Control: 33R08 - Process

Emission Source/Control: 33T07 - Process

Emission Source/Control: 33T08 - Process

Item 46.42:

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

Emission Unit: U-00003

Process: 315

Source Classification Code: 3-01-060-99

Process Description:

AMICHIN - BULK PHARMACEUTICAL PRODUCTION
(CHEMICAL SYNTHESIS).

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Emission Source/Control: 33K14 - Process

Emission Source/Control: 33K24 - Process

Emission Source/Control: 33T03 - Process

Emission Source/Control: 33T08 - Process

Item 46.43:

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

Emission Unit: U-00003

Process: 316

Source Classification Code: 3-01-060-99

Process Description:

PLAQUENIL SULFATE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33C02 - Process

Emission Source/Control: 33R22 - Process

Emission Source/Control: 33T09 - Process

Emission Source/Control: 3BD02 - Process

Emission Source/Control: 3K101 - Process

Emission Source/Control: 3K102 - Process

Item 46.44:

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

Emission Unit: U-00003

Process: 317

Source Classification Code: 3-01-060-99

Process Description:

2 PAM PURE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33BD1 - Process

Emission Source/Control: 33C02 - Process

Emission Source/Control: 3K101 - Process

Emission Source/Control: 3K102 - Process

Emission Source/Control: 3R22B - Process

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Item 46.45:

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

Emission Unit: U-00003

Process: 318

Source Classification Code: 3-01-060-99

Process Description:

2 PAM CRUDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33S02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 33F01 - Process

Emission Source/Control: 33K09 - Process

Emission Source/Control: 33K11 - Process

Emission Source/Control: 33R01 - Process

Emission Source/Control: 3DT09 - Process

Item 46.46:

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

Emission Unit: U-00003

Process: 319

Source Classification Code: 3-01-060-99

Process Description:

NANOBEADS PURE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33D01 - Process

Emission Source/Control: 3K105 - Process

Item 46.47:

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

Emission Unit: U-00003

Process: 320

Source Classification Code: 3-01-060-99

Process Description:

NANOBEADS CRUDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33K07 - Process

Emission Source/Control: 3K104 - Process

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Emission Source/Control: 3R104 - Process

Emission Source/Control: 3T104 - Process

Item 46.48:

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

Emission Unit: U-00003

Process: 321

Source Classification Code: 3-01-060-99

Process Description:

ETHANOLIC HCl - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 3K102 - Process

Emission Source/Control: 3R102 - Process

Item 46.49:

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

Emission Unit: U-00003

Process: 323

Source Classification Code: 3-01-060-99

Process Description:

METOLAZONE INT. III - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 33S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00D83 - Process

Emission Source/Control: 00D84 - Process

Emission Source/Control: 33K01 - Process

Emission Source/Control: 33K04 - Process

Emission Source/Control: 33K07 - Process

Emission Source/Control: 33K08 - Process

Item 46.50:

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

Emission Unit: U-00004

Process: 401

Source Classification Code: 3-01-060-99

Process Description:



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TRIENE PURE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

Item 46.51:

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

Emission Unit: U-00004

Process: 402

Source Classification Code: 3-01-060-99

Process Description:

TRIENE CRUDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04K01 - Process

Item 46.52:

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

Emission Unit: U-00004

Process: 403

Source Classification Code: 3-01-060-99

Process Description:

DANOCRINE PURE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K02 - Process



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Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process

Item 46.53:

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

Emission Unit: U-00004

Process: 404

Source Classification Code: 3-01-060-99

Process Description:

ACETONE SODIUM BISULFIDE - BULK
PHARMACEUTICAL PRODUCTION (CHEMICAL
SYNTHESIS).

Emission Source/Control: 04S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

Item 46.54:

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

Emission Unit: U-00004

Process: 405

Source Classification Code: 3-01-060-99

Process Description:

NIZATIDINE PURE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 04S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K02 - Process

Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

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Item 46.55:

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

Emission Unit: U-00004

Process: 406

Source Classification Code: 3-01-060-99

Process Description:

NIZATIDINE CRUDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 04S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K02 - Process

Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

Item 46.56:

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

Emission Unit: U-00004

Process: 407

Source Classification Code: 3-01-060-99

Process Description:

METOLAZONE INTERMEDIATE IV - BULK
PHARMACEUTICAL PRODUCTION (CHEMICAL
SYNTHESIS).

Emission Source/Control: 04S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K02 - Process

Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process



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Emission Source/Control: 04R06 - Process

Item 46.57:

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

Emission Unit: U-00004

Process: 408

Source Classification Code: 3-01-060-99

Process Description:

METOLAZONE INT. V - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 04S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

Item 46.58:

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

Emission Unit: U-00004

Process: 409

Source Classification Code: 3-01-060-99

Process Description:

1 METOLAZONE INT. VI - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 04S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K02 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R02 - Process

Item 46.59:

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

Emission Unit: U-00004

Process: 410

Source Classification Code: 3-01-060-99



New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

Process Description:

METOLAZONE INT. VII - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 04S01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 04F01 - Process

Emission Source/Control: 04K01 - Process

Emission Source/Control: 04K03 - Process

Emission Source/Control: 04R01 - Process

Emission Source/Control: 04R06 - Process

Item 46.60:

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

Emission Unit: U-00005

Process: 501

Source Classification Code: 3-01-060-99

Process Description:

TYLOXAPOL - BULK PHARMACEUTICAL PRODUCTION
(CHEMICAL SYNTHESIS).

Emission Source/Control: 19K10 - Process

Item 46.61:

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

Emission Unit: U-00005

Process: 502

Source Classification Code: 3-01-060-99

Process Description:

PLAQUENIL BASE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 19K05 - Process

Emission Source/Control: 19R02 - Process

Item 46.62:

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

Emission Unit: U-00005

Process: 503

Source Classification Code: 3-01-060-99

Process Description: NICHIN CRUDE - BULK PHARMACEUTICAL PRODUCTION.



New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

Emission Source/Control: 19D01 - Process

Emission Source/Control: 19K01 - Process

Emission Source/Control: 19R02 - Process

Emission Source/Control: 19R06 - Process

Item 46.63:

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

Emission Unit: U-00005

Process: 504

Source Classification Code: 3-01-060-03

Process Description: SP-303 ACETONE RECOVERY - POT DISTILLATION SYSTEM.

Emission Source/Control: 19S01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 19S10 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 19K02 - Process

Emission Source/Control: 19K03 - Process

Item 46.64:

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

Emission Unit: U-00005

Process: 505

Source Classification Code: 3-01-060-99

Process Description:

NICHIN CRUDE - BULK PHARMACEUTICAL
PRODUCTION (CHEMICAL SYNTHESIS).

Emission Source/Control: 19D01 - Process

Emission Source/Control: 19K01 - Process

Emission Source/Control: 19R02 - Process

Emission Source/Control: 19R06 - Process

Item 46.65:

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

Emission Unit: U-00006

Process: 601

Source Classification Code: 3-01-060-10

Process Description:



New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

BULK STORAGE TANKS - FIXED ROOF BULK
STORAGE TANKS.

Emission Source/Control: 00T02 - Process

Emission Source/Control: 00T03 - Process

Emission Source/Control: 00T04 - Process

Emission Source/Control: 00T05 - Process

Emission Source/Control: 00T14 - Process

Item 46.66:

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

Emission Unit: U-00008

Process: 801

Source Classification Code: 3-01-060-99

Process Description:

WWTP - FUGITIVE EMISSIONS RELATED TO THE
WASTE WATER TREATMENT PLANT OPERATIONS.

Emission Source/Control: 0WW01 - Process

Emission Source/Control: 0WW02 - Process

Condition 47: Emission Unit Permissible Emissions

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 40CFR 63, Subpart GGG

Item 47.1:

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

Emission Unit: U-00008

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.121 pounds per hour

1,060 pounds per year

CAS No: 000108-88-3

Name: TOLUENE

PTE(s): 0.715 pounds per hour

6,260 pounds per year

CAS No: 001330-20-7



New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

Name: XYLENE, M, O & P MIXT.

PTE(s): 0.281 pounds per hour

2,460 pounds per year

CAS No: 0NY100-00-0

Name: HAP

PTE(s): 1.116 pounds per hour

9,780 pounds per year

Condition 48: Process Permissible Emissions

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 40CFR 63, Subpart GGG

Item 48.1:

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00001 Process: 106

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.03 pounds per hour

75 pounds per year

Emission Unit: U-00001 Process: 107

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.068 pounds per hour

600 pounds per year

Emission Unit: U-00002 Process: 202

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.14 pounds per hour

80 pounds per year

Emission Unit: U-00002 Process: 203

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.06 pounds per hour

140 pounds per year

Emission Unit: U-00002 Process: 206

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New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.04 pounds per hour

20 pounds per year

Emission Unit: U-00002

Process: 207

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.07 pounds per hour

240 pounds per year

Emission Unit: U-00002

Process: 214

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.05 pounds per hour

120 pounds per year

Emission Unit: U-00003

Process: 301

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 8.5 pounds per hour

9,380 pounds per year

Emission Unit: U-00003

Process: 305

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.01 pounds per hour

80 pounds per year

Emission Unit: U-00003

Process: 311

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.014 pounds per hour

120 pounds per year

Emission Unit: U-00003

Process: 312

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.02 pounds per hour

80 pounds per year

New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016



Emission Unit: U-00003 Process: 315

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.032 pounds per hour

280 pounds per year

Emission Unit: U-00005 Process: 502

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.014 pounds per hour

120 pounds per year

Emission Unit: U-00005 Process: 503

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.064 pounds per hour

560 pounds per year

Emission Unit: U-00005 Process: 505

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 0.064 pounds per hour

560 pounds per year

Emission Unit: U-00006 Process: 601

CAS No: 000067-56-1

Name: METHYL ALCOHOL

PTE(s): 1.3 pounds per hour

15 pounds per year

Emission Unit: U-00003 Process: 301

CAS No: 000108-88-3

Name: TOLUENE

PTE(s): 0.24 pounds per hour

140 pounds per year

Emission Unit: U-00003 Process: 302

CAS No: 000108-88-3

Name: TOLUENE

PTE(s): 0.42 pounds per hour

Air Pollution Control Permit Conditions

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New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

420 pounds per year

Emission Unit: U-00003 Process: 303

CAS No: 000108-88-3

Name: TOLUENE

PTE(s): 0.35 pounds per hour
200 pounds per year

Emission Unit: U-00003 Process: 312

CAS No: 000108-88-3

Name: TOLUENE

PTE(s): 0.46 pounds per hour
360 pounds per year

Emission Unit: U-00003 Process: 315

CAS No: 000108-88-3

Name: TOLUENE

PTE(s): 0.38 pounds per hour
20 pounds per year

Emission Unit: U-00003 Process: 318

CAS No: 000108-88-3

Name: TOLUENE

PTE(s): 0.46 pounds per hour
520 pounds per year

Emission Unit: U-00005 Process: 501

CAS No: 000108-88-3

Name: TOLUENE

PTE(s): 0.14 pounds per hour
40 pounds per year

Emission Unit: U-00003 Process: 314

CAS No: 001330-20-7

Name: XYLENE, M, O & P MIXT.

PTE(s): 1.22 pounds per hour
10,660 pounds per year

Emission Unit: U-00004 Process: 407

n0 CAS No: 001330-20-7

Name: XYLENE, M, O & P MIXT.



New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

PTE(s): 0.7 pounds per hour
2,260 pounds per year

Condition 49: VOC transfer requirements
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.3(c)

Item 49.1:

This Condition applies to Emission Unit: U-00001

Item 49.2:

For the transfer of volatile organic compounds with vapor pressures greater than 4.1 psi at 20 degrees C from trucks or railcars to storage tanks with capacities greater than 2000 gallons, other than tanks with floating roofs, vapors recovery, or equivalent controls, a vapor balance system or equivalent control that provides at least 90.0 percent control of the volatile organic compound emissions is required.

Condition 50: Storage tank requirements
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.3(d)

Item 50.1:

This Condition applies to Emission Unit: U-00001

Item 50.2:

For all storage tanks that store volatile organic compounds with vapor pressure greater than 1.5 psi at 20 degrees C, pressure/vacuum conservation vents set at 0.03 psi must be installed, unless more effective control equipment is used.

Condition 51: Compliance Certification
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 101

Emission Source: 01S04

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 51.2:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

STACK TEST SHALL BE DONE WITHIN THE
FIRST YEAR OF THE PERMIT AND EVERY 5
YEARS THEREAFTER.

Upper Limit of Monitoring: 0.10 pounds per hour

Reference Test Method: USEPA METHOD 18

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 52: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 101

Emission Source: 01S04

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WET SCRUBBER, MONITORING OF PH OF
SCRUBBING LIQUID.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Limit of Monitoring: 7 pH units

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 53: Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 101

Emission Source: 01S04

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WET SCRUBBER, MONITORING OF LIQUID FLOW
TO TOP OF PACKED COLUMN.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Limit of Monitoring: 18 gallons per minute

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 54: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 109

Emission Source: 01S03

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 54.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016



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

Monitoring Description:

WET SCRUBBER, MONITORING OF PH OF
SCRUBBING LIQUID, WHILE THE UNIT IS IN
OPERATION.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Limit of Monitoring: 7 pH units

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 55: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: 109

Emission Source: 01S03

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 55.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WET SCRUBBER, MONITORING OF LIQUID FLOW
TO TOP OF PACKED COLUMN, WHILE THE UNIT
IS IN OPERATION.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Limit of Monitoring: 10 gallons per minute

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

New York State Department of Environmental Conservation
Permit ID: 4-3814-00016/00247 Facility DEC ID: 4381400016



Condition 56: Compliance Certification
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 01001
Process: 104 Emission Source: 01S02

Regulated Contaminant:
CAS No: 007782-50-5
Name: CHLORINE

Item 56.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
WET SCRUBBER, MONITORING OF LIQUID FLOW
TO TOP OF PACKED COLUMN WHILE THE UNIT
IS IN OPERATION.

Parameter Monitored: VOLUMETRIC FLOW RATE
Lower Limit of Monitoring: 10 gallons per minute
Monitoring Frequency: DAILY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 57: Compliance Certification
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 01001
Process: 104 Emission Source: 01S02

Regulated Contaminant:
CAS No: 007782-50-5
Name: CHLORINE

New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016



Item 57.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WET SCRUBBER, MONITORING OF PH OF
SCRUBBING LIQUID, WHILE THE UNIT IS IN
OPERATION.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Limit of Monitoring: 7 pH units

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 58: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 58.1:

The Compliance Certification activity will be performed for:
rd

Emission Unit: U-00001 Emission Point: 01002

Process: 106 Emission Source: 01S05

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 58.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WET SCRUBBER, MONITORING OF LIQUID FLOW
TO TOP OF PACKED COLUMN, WHILE THE UNIT
IS IN OPERATION.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Limit of Monitoring: 8 gallons per minute

Monitoring Frequency: DAILY



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Facility DEC ID: 4381400016

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 59: Process equipment requirements (>1.5 psi)
Effective between the dates of 07/16/2001 and 07/16/2006

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

Item 59.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 20001

Item 59.2:

When surface condensers are used, the allowable condenser outlet gas temperature must not exceed 0 degrees Centigrade for VOC emissions with a VOC vapor pressure greater than 1.5 psi at 20 degrees Centigrade.

Condition 60: Compliance Certification
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 20001
Process: 105

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
STACK TEST SHALL BE DONE WITHIN THE
FIRST YEAR OF THE PERMIT AND EVERY 5
YEARS THEREAFTER.

Upper Limit of Monitoring: 0.10 pounds per hour
Reference Test Method: USEPA METHOD 18
Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED



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Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 61: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 02002

Process: 201 Emission Source: 02S01

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 61.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

MONITORING OF LIQUID FLOW TO TOP OF THE
PACKED COLUMN.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Limit of Monitoring: 8

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 62: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 02018

Process: 201 Emission Source: 02S02

Regulated Contaminant:

CAS No: 000067-56-1

New York State Department of Environmental Conservation

Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016



Name: METHYL ALCOHOL

Item 62.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
WET SCRUBBER, MONITORING OF PH OF
SCRUBBING LIQUID.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Limit of Monitoring: 7 pH units

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 63: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 02018
Process: 201 Emission Source: 02S02

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 63.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
MONITORING LIQUID FLOW TO THE TOP OF THE
PACKED COLUMN.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Limit of Monitoring: 100

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME



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Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 64: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 33001

Process: 301 Emission Source: 33S01

Regulated Contaminant:

CAS No: 000067-56-1

Name: METHYL ALCOHOL

Item 64.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WET SCRUBBER, MONITORING LIQUID FLOW TO
TOP OF THE VENTURI SCRUBBER.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Limit of Monitoring: 15

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 65: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 33001

Process: 301 Emission Source: 33S01

Regulated Contaminant:

CAS No: 000067-56-1

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Name: METHYL ALCOHOL

Item 65.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
WET SCRUBBER, MONITORING OF PH OF
SCRUBBING LIQUID.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Limit of Monitoring: 7

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 66: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: 04001

Process: 407 Emission Source: 04S01

Regulated Contaminant:

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

Item 66.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
WET SCRUBBER, MONITOR LIQUID FLOW TO THE
TOP OF THE PACKED COLUMN.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Limit of Monitoring: 8

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 67: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: 04001

Process: 407 Emission Source: 04S01

Regulated Contaminant:

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

Item 67.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WET SCRUBBER, MONITOR PH OF SCRUBBING
LIQUID.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Limit of Monitoring: 7

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 68: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005 Emission Point: 19007

Process: 504 Emission Source: 19S01

Regulated Contaminant:

CAS No: 007647-01-0

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Permit ID: 4-3814-00016/00247

Facility DEC ID: 4381400016



Name: HYDROGEN CHLORIDE

Item 68.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WET SCRUBBER, MONITORING OF LIQUID FLOW
TO TOP OF PACKED COLUMN.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Limit of Monitoring: 12

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 69: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005 Emission Point: 19007

Process: 504 Emission Source: 19S01

Regulated Contaminant:

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

Item 69.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

WET SCRUBBER, MONITORING OF PH OF
SCRUBBING LIQUID.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Limit of Monitoring: 7

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 70: VOC transfer requirements

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.3(c)

Item 70.1:

This Condition applies to Emission Unit: U-00006

Item 70.2:

For the transfer of volatile organic compounds with vapor pressures greater than 4.1 psi at 20 degrees C from trucks or railcars to storage tanks with capacities greater than 2000 gallons, other than tanks with floating roofs, vapors recovery, or equivalent controls, a vapor balance system or equivalent control that provides at least 90.0 percent control of the volatile organic compound emissions is required.

Condition 71: Storage tank requirements

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.3(d)

Item 71.1:

This Condition applies to Emission Unit: U-00006

Item 71.2:

For all storage tanks that store volatile organic compounds with vapor pressure greater than 1.5 psi at 20 degrees C, pressure/vacuum conservation vents set at 0.03 psi must be installed, unless more effective control equipment is used.

Condition 72: Compliance Certification

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

Item 72.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
BIOTOWER, MONITORING OF PH OF OF
WASTEWATER TO THE TOWER.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Limit of Monitoring: 6 pH units

Monitoring Frequency: DAILY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 73: Compliance Certification
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Daily inspection of the trickling filter. Records of the
inspection shall be kept in a logbook.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)

Condition 74: Compliance Certification
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable Federal Requirement: 6NYCRR 233.

Item 74.1:

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The Compliance Certification activity will be performed for:

Emission Unit: U-00008

Regulated Contaminant:

CAS No: 0NY998-00-0

Name: VOC

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Weekly wash down of the trickling filter. This will include increasing the flow to the bio tower for a short period of time (usually less than 5 minutes) to wash away some of the bio mass on the filter. Records of this maintenance shall be kept in a logbook.

Monitoring Frequency: WEEKLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after every 6 calendar months (January - June, July - December)



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

Condition 75: General Provisions
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable State Requirement: 6NYCRR 201-5.

Item 75.1:

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

Item 75.2:

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.

Item 75.3:

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.

Condition 76: Permit Exclusion Provisions
Effective between the dates of 07/16/2001 and 07/16/2006

Applicable State Requirement: 6NYCRR 201-5.

Item 76.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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 by the Department and the receipt thereof by the Applicant does not supersede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 77: Contaminant List

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable State Requirement: 6NYCRR 201-5.3(b)

Item 77.1:

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

CAS No: 0NY100-00-0

Name: HAP

CAS No: 0NY998-00-0

Name: VOC

CAS No: 000108-88-3

Name: TOLUENE

CAS No: 007782-50-5

Name: CHLORINE

CAS No: 000067-56-1

Name: METHYL ALCOHOL

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 001330-20-7

Name: XYLENE, M, O & P MIXT.

Condition 78: Air pollution prohibited

Effective between the dates of 07/16/2001 and 07/16/2006

Applicable State Requirement: 6NYCRR 211.2

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Item 78.1:

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.