

**New York State Department of Environmental Conservation  
Facility DEC ID: 7312600016**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 7-3126-00016/00256  
Mod 1 Effective Date: 05/26/1998 Expiration Date: No expiration date.

Permit Issued To: BRISTOL-MYERS SQUIBB CO INC  
345 PARK AVE  
NEW YORK, NY 10154

Facility: BRISTOL-MYERS SQUIBB COMPANY  
6000 THOMPSON RD  
SYRACUSE, NY 13221-4755

Contact: CHRISTOPHER R STRANG  
BRISTOL-MYERS SQUIBB CO  
PO BOX 4755  
SYRACUSE, NY 13221  
(315) 432-9371

**Description:**

The project involves three distinct actions requested in three emission units. a) emission unit U10010 is a permit modification to relocate existing permitted sources to the small carbon adsorber, for processes 101, 102, and 103; b) Emission unit U00ATM involves the relocation of emission points, the addition of pollutants, and revision of emission rates for some existing pollutants. The sources affected are associated with the CEPH Extraction and chemical services departments; and c) emission unit UV17b is a permit application for a 500 gallon in-process tank to be used as a surge tank for DCHA in the DES-CEPH extraction process.

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: ROBERT A TORBA  
615 ERIE BLVD WEST  
SYRACUSE, NY 13204-2400

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

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

**Item 1-1.1:**

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 1-1.2:**

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

**Item 1-1.3:**

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 1-2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 1-2.1:**

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

**Condition 1-3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13(a)**

**Item 1-3.1:**

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 1-3.2:**

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

**Condition 1-4: Permit Modifications, Suspensions, and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

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**Item 1-4.1:**

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

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

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

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT**

**IDENTIFICATION INFORMATION**

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345 PARK AVE  
NEW YORK, NY 10154

Facility: BRISTOL-MYERS SQUIBB COMPANY  
6000 THOMPSON RD  
SYRACUSE, NY 13221-4755

Authorized Activity By Standard Industrial Classification Code:  
2833 - MEDICINALS AND BOTANICALS

Permit Effective Date: 05/26/1998

Permit Expiration Date: No expiration date.



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1-14 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 1-3 6NYCRR 200.7: Maintenance of equipment
- 1-7 6NYCRR 201-1.7: Recycling and Salvage
- 1-8 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 1-10 6NYCRR 201-3.2(a): Proof of Eligibility
- 1-11 6NYCRR 201-3.3(a): Proof of Eligibility
- 1-12 6NYCRR 202-1.1: Required emissions tests
- 1-13 6NYCRR 211.3: Visible emissions limited.
- 1-1 6NYCRR 200.5: Sealing
- 1-2 6NYCRR 200.6: Acceptable ambient air quality
- 1-4 6NYCRR 201-1.2: Unpermitted Emission Sources
- 1-5 6NYCRR 201-1.4: Unavoidable Noncompliance and Violations
- 1-6 6NYCRR 201-1.5: Emergency Defense
- 1-9 6NYCRR 201-1.10(a): Public Access to Recordkeeping

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1-15 6NYCRR 201-5: General Provisions
- 1-16 6NYCRR 201-5: Permit Exclusion Provisions
- 1-17 6NYCRR 201-5: Emission Unit Definition
- 1-20 6NYCRR 201-5.3(b): Contaminant List
- 64 6NYCRR 201-5.3(b): Contaminant List
- 1-21 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

- 1-18 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 1-19 6NYCRR 201-5: Process Definition By Emission Unit

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**FEDERALLY ENFORCEABLE CONDITIONS**

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

**Condition 1-14: Open Fires Prohibited at Industrial and Commercial Sites**  
Effective between the dates of 05/26/1998 and Permit Expiration Date

**Applicable Federal Requirement: 6NYCRR 215**

**Item 1-14.1:**

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 1-3: Maintenance of equipment**  
Effective between the dates of 05/26/1998 and Permit Expiration Date

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 1-3.1:**

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.

**Condition 1-7: Recycling and Salvage**  
Effective between the dates of 05/26/1998 and Permit Expiration Date

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

**Item 1-7.1:**

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 1-8: Prohibition of Reintroduction of Collected Contaminants to the Air**  
Effective between the dates of 05/26/1998 and Permit Expiration Date

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

**Item 1-8.1:**

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 1-10: Proof of Eligibility**  
Effective between the dates of 05/26/1998 and Permit Expiration Date



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

**Item 1-10.1:**

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 1-11: Proof of Eligibility**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

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

**Item 1-11.1:**

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

**Condition 1-12: Required emissions tests**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

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

**Item 1-12.1:**

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 1-13: Visible emissions limited.**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 1-13.1:**

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-

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minute period per hour of not more than 57 percent opacity.

**Condition 1-1: Sealing**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 200.5**

**Item 1-1.1:**

(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 1-2: Acceptable ambient air quality**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 1-2.1:**

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 1-4: Unpermitted Emission Sources**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-1.2**

**Item 1-4.1:**

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.

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(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 1-5: Unavoidable Noncompliance and Violations**  
**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-1.4**

**Item 1-5.1:**

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.

(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.



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**Condition 1-6: Emergency Defense**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-1.5**

**Item 1-6.1:**

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 1-9: Public Access to Recordkeeping**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-1.10(a)**

**Item 1-9.1:**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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**STATE ONLY ENFORCEABLE CONDITIONS**

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

**Condition 1-15: General Provisions**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 1-15.1:**

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 1-15.2:**

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 1-15.3:**

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

**Condition 1-16: Permit Exclusion Provisions**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 1-16.1:**

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 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



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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 1-17: Emission Unit Definition**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 1-17.1(From Mod 1):**

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

Emission Unit: U-00ATM

Emission Unit Description:

THIS UNIT CONSISTS OF SOURCES PREVIOUSLY TIED TO EMISSION POINT #04171 AND #10010 WHICH ARE NOW TO BE DIRECTED TO ATMOSPHERE IN ADDITION TO SOURCES CURRENTLY DIRECTED TO ATMOSPHERE. IT CONTAINS FIVE PROCESSES: TA1, TA2, TA3, TA4, AND TA5., WHICH INCLUDE EMISSION SOURCES IN THE CEPH EXTRACTION AND CHEMICAL SERVICES DEPARTMENTS. THE SOURCE SPECIFIC EMISSION POINTS ARE LISTED BELOW. THE BUILDING LOCATION IS THE FIRST TWO CHARACTERS IN THE EMISSION POINT ID UNLESS INDICATED OTHERWISE IN PARENTHESES: 4B12B, 4B22B, 4B23B, 4B24B, 4B26B, 4B27B, 4B28B, 4N29B, 4B40B, 4B79B, 4BMEM, 4BCEM, 4B0S1, 4B0S6, 4BT1B, 4BBCC, 4BBCS, 4BFSS, 4BFSA, VST07 (TANK VAULT), VST08 (TANK VAULT), TST09 (TANK VAULT), VST10 (TANK VAULT), 4ADCL, 4ADCH, 64036, 64037, 64038, 64039, 64040, 64041, 4BT4B, 4B019, 4B020, 4B021, 000S4, 13023, 13019, 13022, 13026, 13045, 13044, 13046, 13043, 13047, 13048, 13049, 4B025, 4B024, 4BT3B, 4B011, 4B016, 4B017, 4B018, 04368 (4B), AND 4BACS.

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**Item 1-17.2(From Mod 1):**

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

Emission Unit: U-10010

Emission Unit Description:

THIS UNIT HAS ONE EMISSION POINT, 10010, WHICH CONTAINS THE FOLLOWING SOURCES LOCATED OUTSIDE BLDG. 4B INCLUDING: V-11B, V-13B, V-14B, V-30B, V-31B, V-32B, V-34B, V-35B, V-39B, ST-11, SPIN FLASH DRYER, LUWA #2, S-2, S-3,S-5,V-2X, 48" ACETONE COLUMN CONDENSER, 48" ACETONE COLUMN ACCUMULATOR; SOME LOCATED OUTSIDE BLDG. 4 INCLUDING: 72" SEWER COLUMN CONDENSER, 72" SEWER COLUMN SEPARATOR; AND SOME LOCATED OUTSIDE BLDG. 4A INCLUDING: 72" DRYING COLUMN SEPARATOR, T-8, V-30A, AND 72" DRYING COLUMN CONDENSER. THIS UNIT CONTAINS PROCESSES 101,102, AN 103 FROM WHICH THE FOLLOWING POLLUTANTS ARE EMITTED: ACETONE, CYCLOHEXANONE, DCHA, BUTANOL, AND METHANOL.

Building(s): 4 OUTSIDE  
4A OUTSIDE  
4B OUTSIDE

**Item 1-17.3(From Mod 1):**

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

Emission Unit: U-V17B0

Emission Unit Description:

THIS UNIT IS COMPRISED OF VESSEL V-17B LOCATED IN BUILDING 4B WHICH IS USED FOR PROCESS 17B, AND IS TIED TO EMISSION POINT 4B012 LOCATED IN BUILDING 4B. V17B IS USED IN THE CEPHALOSPORIN EXTRACTION DEPARTMENT AND CONTAINS ACETONE, CYCLOHEXANE, AND DCHA.

Building(s): 4B

**Condition 1-20: Contaminant List**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

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

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

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No contaminants.

**Condition 64: Contaminant List**

**Effective between the dates of 06/11/2001 and 07/15/2002**

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

**Expired by Mod 2**

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

No contaminants.

**Condition 1-21: Air pollution prohibited**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 1-21.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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

**Condition 1-18: Emission Point Definition By Emission Unit**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 1-18.1(From Mod 1):**

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

Emission Unit: U-00ATM

Emission Point: 000S4

Height (ft.): 52

Diameter (in.): 2

NYTMN (km.): 4768.722 NYTME (km.): 411.532

Emission Point: 04368

Height (ft.): 52

Length (in.): 12

Width (in.): 16



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NYTMN (km.): 4768.5    NYTME (km.): 411.5    Building: 4B

Emission Point: 13003  
Height (ft.): 12                      Diameter (in.): 2  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13019  
Height (ft.): 10                      Diameter (in.): 2  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13022  
Height (ft.): 31                      Diameter (in.): 6  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13026  
Height (ft.): 25                      Diameter (in.): 2  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13043  
Height (ft.): 20                      Diameter (in.): 2  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13044  
Height (ft.): 20                      Diameter (in.): 3  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13045  
Height (ft.): 20                      Diameter (in.): 3  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13046  
Height (ft.): 15                      Diameter (in.): 6  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13047  
Height (ft.): 20                      Diameter (in.): 3  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13048  
Height (ft.): 20                      Diameter (in.): 3  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 13049  
Height (ft.): 10                      Diameter (in.): 3  
NYTMN (km.): 4768.5                NYTME (km.): 411.5

Emission Point: 4ADCH



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Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.722	NYTME (km.): 411.532	
Emission Point: 4ADCL		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.722	NYTME (km.): 411.532	
Emission Point: 4B011		
Height (ft.): 10	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B016		
Height (ft.): 86	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B017		
Height (ft.): 87	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B018		
Height (ft.): 87	Diameter (in.): 4	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B019		
Height (ft.): 40	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B020		
Height (ft.): 40	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B021		
Height (ft.): 40	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B024		
Height (ft.): 3	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B025		
Height (ft.): 3	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B
Emission Point: 4B12B		
Height (ft.): 52	Diameter (in.): 2	
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B



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Emission Point: 4B22B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4B23B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4B24B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4B26B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4B27B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4B28B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4B29B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4B40B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4B79B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4BACS			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4BBCC			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4BBCS			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	



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Emission Point: 4BCEN			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4BFSA			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4BFSS			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4BMEM			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4BOS1			
Height (ft.): 52	Diameter (in.): 2		
Emission Point: 4BOS6			
Height (ft.): 52	Diameter (in.): 2		
Emission Point: 4BT1B			
Height (ft.): 52	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 4B	
Emission Point: 4BT3B			
Height (ft.): 3	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5		
Emission Point: 4BT4B			
Height (ft.): 15	Diameter (in.): 2		
NYTMN (km.): 4768.722	NYTME (km.): 411.532		
Emission Point: 64035			
Height (ft.): 38	Diameter (in.): 2		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64	
Emission Point: 64036			
Height (ft.): 38	Diameter (in.): 3		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64	
Emission Point: 64037			
Height (ft.): 38	Diameter (in.): 3		
NYTMN (km.): 4768.5	NYTME (km.): 411.5	Building: 64	



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Emission Point: 64038  
Height (ft.): 38 Diameter (in.): 3  
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 64

Emission Point: 64039  
Height (ft.): 38 Diameter (in.): 3  
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 64

Emission Point: 64040  
Height (ft.): 38 Diameter (in.): 3  
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 64

Emission Point: 64041  
Height (ft.): 38 Diameter (in.): 3  
NYTMN (km.): 4768.5 NYTME (km.): 411.5 Building: 64

Emission Point: VST07  
Height (ft.): 8 Diameter (in.): 2  
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: VST08  
Height (ft.): 8 Diameter (in.): 2  
NYTMN (km.): 4768.8 NYTME (km.): 411.5

Emission Point: VST09  
Height (ft.): 8 Diameter (in.): 2  
NYTMN (km.): 4768.5 NYTME (km.): 411.5

Emission Point: VST10  
Height (ft.): 8 Diameter (in.): 2  
NYTMN (km.): 4768.5 NYTME (km.): 411.5

**Item 1-18.2(From Mod 1):**

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

Emission Unit: U-10010

Emission Point: 10010  
Height (ft.): 26 Diameter (in.): 12  
NYTMN (km.): 4768.5 NYTME (km.): 411.5

**Item 1-18.3(From Mod 1):**

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

Emission Unit: U-V17B0

Emission Point: 4B012



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**Facility DEC ID: 7312600016**

Height (ft.): 42

Diameter (in.): 2

NYTMN (km.): 4768.722 NYTME (km.): 411.532

**Condition 1-19: Process Definition By Emission Unit**

**Effective between the dates of 05/26/1998 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 201-5**

**Item 1-19.1(From Mod 1):**

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

Emission Unit: U-00ATM

Process: TA1

Process Description:

THIS PROCESS IS BASED ON LIKE APPLICABLE REQUIREMENTS FOR ITS SOURCES AND CONSISTS OF EMISSION SOURCES IN THE CEPH EXTRACTION AND CHEMICAL SERVICES DEPARTMENTS WHO EMISSIONS HAVE NO CONTROL REQUIREMENT AND ARE DIRECTED TO ATMOSPHERE.

Emission Source/Control: 00T26 - Process

Emission Source/Control: 0CS35 - Process

Emission Source/Control: 0CS39 - Process

Emission Source/Control: 0CS41 - Process

Emission Source/Control: 0CS49 - Process

Emission Source/Control: 0V20B - Process

**Item 1-19.2(From Mod 1):**

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

Emission Unit: U-00ATM

Process: TA2

Process Description:

THIS PROCESS IS BASED ON LIKE APPLICABLE REQUIREMENTS FOR ITS SOURCES AND CONSISTS OF EMISSION SOURCES IN THE CEPH EXTRACTION AND CHEMICAL SERVICE DEPARTMENTS WHOSE EMISSION HAVE NO CONTROL REQUIREMENT AND ARE DIRECTED TO ATMOSPHERE.

Emission Source/Control: 0CS43 - Process

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Emission Source/Control: 0CS44 - Process

Emission Source/Control: 0CS45 - Process

Emission Source/Control: 0CS46 - Process

Emission Source/Control: IBCFS - Process

**Item 1-19.3(From Mod 1):**

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

Emission Unit: U-00ATM

Process: TA3

Process Description:

THIS PROCESS IS BASED ON LIKE APPLICABLE REQUIREMENTS FOR ITS SOURCES AND CONSISTS OF EMISSION SOURCES IN THE CEPH EXTRACTION SERVICES DEPARTMENTS WHOSE EMISSIONS HAVE NO CONTROL REQUIREMENTS AND ARE DIRECTED TO ATMOSPHERE.

Emission Source/Control: 000S1 - Process

Emission Source/Control: 000S6 - Process

Emission Source/Control: 00ACS - Process

Emission Source/Control: 00FSA - Process

Emission Source/Control: 00FSS - Process

Emission Source/Control: 00ST8 - Process

Emission Source/Control: 00T1B - Process

Emission Source/Control: 00T3B - Process

Emission Source/Control: 00T4B - Process

Emission Source/Control: 00V3X - Process

Emission Source/Control: 0CS40 - Process

Emission Source/Control: 0DCHV - Process

Emission Source/Control: 0DCLT - Process



- Emission Source/Control: 0SAOH - Process
- Emission Source/Control: 0V12B - Process
- Emission Source/Control: 0V21B - Process
- Emission Source/Control: 0V22B - Process
- Emission Source/Control: 0V23B - Process
- Emission Source/Control: 0V26B - Process
- Emission Source/Control: 0V27B - Process
- Emission Source/Control: 0V28B - Process
- Emission Source/Control: 0V29B - Process
- Emission Source/Control: 0V40B - Process
- Emission Source/Control: 0V79B - Process

**Item 1-19.4(From Mod 1):**

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

Emission Unit: U-00ATM

Process: TA4

Process Description:

THIS PROCESS IS BASED ON LIKE APPLICABLE REQUIREMENTS FOR ITS SOURCES AND CONSISTS OF EMISSION SOURCES IN THE CEPH EXTRACTION AND CHEMICAL SERVICES DEPARTMENTS WHOSE EMISSIONS HAVE NO CONTROL REQUIREMENTS AND ARE DIRECTED TO ATMOSPHERE.

- Emission Source/Control: 000S4 - Process
- Emission Source/Control: 00BCC - Process
- Emission Source/Control: 00BCS - Process
- Emission Source/Control: 00MEM - Process
- Emission Source/Control: 00ST7 - Process
- Emission Source/Control: 00ST9 - Process



- Emission Source/Control: 0CS22 - Process
- Emission Source/Control: 0ST10 - Process
- Emission Source/Control: 0V16B - Process
- Emission Source/Control: 0V24B - Process
- Emission Source/Control: 0V33B - Process
- Emission Source/Control: 0V43B - Process
- Emission Source/Control: 0V44B - Process
- Emission Source/Control: 0VRHD - Process
- Emission Source/Control: LUWA1 - Process
- Emission Source/Control: LUWAD - Process

**Item 1-19.5(From Mod 1):**

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

Emission Unit: U-00ATM  
Process: TA5  
Process Description:

THIS PROCESS IS BASED ON LIKE APPLICABLE REQUIREMENTS FOR ITS SOURCES AND CONSISTS OF EMISSION SOURCES IN THE CEPH EXTRACTION AND CHEMICAL SERVICES DEPARTMENTS WHOSE EMISSIONS HAVE NO CONTROL REQUIREMENT AND ARE DIRECTED TO ATMOSPHERE.

- Emission Source/Control: 0CS36 - Process
- Emission Source/Control: 0CS37 - Process
- Emission Source/Control: 0CS38 - Process
- Emission Source/Control: 0CS47 - Process
- Emission Source/Control: 0CS48 - Process
- Emission Source/Control: 0T19X - Process

**Item 1-19.6(From Mod 1):**

**New York State Department of Environmental Conservation**

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**Facility DEC ID: 7312600016**



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

Emission Unit: U-10010

Process: 101

Process Description:

THIS UNIT HAS EMISSIONS WHICH ARE  
GENERATED FROM NUMEROUS SOURCES LOCATED IN  
BOTH THE CEPHALOSPORIN EXTRACTION AND  
CHEMICAL SERVICES DEPARTMENTS.

Emission Source/Control: 1K010 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 000S3 - Process

Emission Source/Control: 00SFD - Process

Emission Source/Control: 0ST11 - Process

Emission Source/Control: 0V31B - Process

Emission Source/Control: 48ACA - Process

Emission Source/Control: 48ACC - Process

**Item 1-19.7(From Mod 1):**

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

Emission Unit: U-10010

Process: 102

Process Description:

THIS UNIT HAS EMISSIONS WHICH ARE  
GENERATED FROM NUMEROUS SOURCES LOCATED IN  
BOTH THE CEPHALOSPORIN EXTRACTION AND  
CHEMICAL SERVICES DEPARTMENTS.

Emission Source/Control: 1K010 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 000S2 - Process

Emission Source/Control: 000S5 - Process

Emission Source/Control: 000T8 - Process

Emission Source/Control: 00V2X - Process



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Emission Source/Control: 0V11B - Process  
Emission Source/Control: 0V13B - Process  
Emission Source/Control: 0V14B - Process  
Emission Source/Control: 0V30B - Process  
Emission Source/Control: 0V32B - Process  
Emission Source/Control: 0V34B - Process  
Emission Source/Control: 0V35B - Process  
Emission Source/Control: 0V39B - Process  
Emission Source/Control: 72DCC - Process  
Emission Source/Control: 72DCS - Process  
Emission Source/Control: 72SCC - Process  
Emission Source/Control: 72SCS - Process  
Emission Source/Control: LUWA2 - Process

**Item 1-19.8(From Mod 1):**

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

Emission Unit: U-10010  
Process: 103  
Process Description:  
THIS UNIT HAS EMISSIONS WHICH ARE  
GENERATED FROM NUMEROUS SOURCES LOCATED IN  
BOTH THE CEPHALOSPORIN EXTRACTION AND  
CHEMICAL SERVICES DEPARTMENT.

Emission Source/Control: 1K010 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 0V30A - Process

**Item 1-19.9(From Mod 1):**

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

Emission Unit: U-V17B0  
Process: 17B

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Process Description:

THIS VESSEL IS A 500 GALLON DCHA SURGE  
VESSEL TO BE USED IN THE DES CEPH  
EXTRACTION PROCESS. THE VESSEL WILL ALSO  
CONTAIN ACETONE AND CYCLOHEXANONE.

Emission Source/Control: 4BV17 - Process