

**New York State Department of Environmental Conservation
Facility DEC ID: 1473400264**



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

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 1-4734-00264/00015
Effective Date: 05/30/2002 Expiration Date: No expiration date

Permit Issued To: ST CATHERINE OF SIENA MEDICAL CENTER
50 RTE 25A
SMITHTOWN, NY 11787

Contact: JAMES WILSON
PRES. & CEO, ST CATHERINE OF SIENA MEDICAL CTR
ROUTE 25 A
SMITHTOWN, NY 11787
(631) 862-3100

Facility: ST CATHERINE OF SIENA MEDICAL CENTER
50 ROUTE 25A
SMITHTOWN, NY 11787

Contact: JAMES DREVAS
OPER. DIRECTOR, ST CATHERINE OF SIENA MED. CTR.
ROUTE 25 A
SMITHTOWN, NY 11787
(631) 862-3070

Description:

NATURE OF THE BUSINESS AT THE FACILITY:

St. Catherine of Siena Medical Center (formally known as St. John's Episcopal Hospital) located in Smithtown, New York comprises of a general hospital and a nursing home. The hospital portion operates air emission source to include two (2) small boilers rated at 14.5 million Btu/hour each and three (3) emergency power generators (exempted sources). The nursing home operates two (2) boilers (less than 10 million Btu/hour) and one emergency power generator, which are exempted sources. The facility previously operated one regulated medical waste which has been permanently shut down in year 2000. (Primary SIC) - 8062

TYPE OF EQUIPMENT AND OPERATIONS AT THE FACILITY:

The two external boilers are manufactured by Cleaver-Brooks. These are dual fired (primary fuel is natural gas and secondary fuel is Number 2 oil). Flue gases exit through two separate stacks. Typically, both boilers are operational during summer and only one boiler during winter with the second boiler on standby.

AIR PERMIT APPLICABILITY:

This permit includes conditions from the original Permit to Construct for the boilers and ethylene oxide



New York State Department of Environmental Conservation
Facility DEC ID: 1473400264

sterilizer based on 6NYCRR Part 201 - Permits, Part 212 - General Process Emission Source, Part 225 - Fuel Sulfur Limitations and Part 227 - Stationary Combustion Installations. The regulated medical waste incinerator regulations are no longer applicable for this facility.

OCCURRENCE OF CAPPING:

Facility wide actual oxides of nitrogen (NOx) emissions will be lower than 22.5 tons per year. This will be accomplished by restricting the fuel consumption of natural gas to be below 330 million cubic feet and No. 2 fuel oil below 50,000 gallons per year.

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: **JOHN A WIELAND**
 DIVISION OF ENVIRONMENTAL PERMITS
 SUNY CAMPUS, LOOP ROAD, BUILDING 40
 STONY BROOK, NY 11790-2356

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

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 1

HEADQUARTERS



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

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

Condition 3: Applications for Permit Renewals 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

New York State Department of Environmental Conservation
Facility DEC ID: 1473400264



Item 4.1:

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

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

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

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 1
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 1 Headquarters
Division of Environmental Permits
SUNY Campus, Loop Road, Building 40
Stony Brook, NY 11790-2356
(631) 444-0365

New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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SMITHTOWN, NY 11787

Authorized Activity By Standard Industrial Classification Code:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 16 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 3 6NYCRR 200.7: Maintenance of equipment
- 6 6NYCRR 201-1.7: Recycling and Salvage
- 7 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 9 6NYCRR 201-3.2(a): Proof of Eligibility
- 10 6NYCRR 201-3.3(a): Proof of Eligibility
- 14 6NYCRR 202-1.1: Required emissions tests
- 15 6NYCRR 211.3: Visible emissions limited.
- 1 6NYCRR 200.5: Sealing
- 2 6NYCRR 200.6: Acceptable ambient air quality
- 4 6NYCRR 201-1.2: Unpermitted Emission Sources
- 5 6NYCRR 201-1.5: Emergency Defense
- 8 6NYCRR 201-1.10(a): Public Access to Recordkeeping
- 11 6NYCRR 201-6.1(a)(1): Compliance Demonstration
- 12 6NYCRR 201-6.1(a)(1): Compliance Demonstration
- 13 6NYCRR 201-6.1(a)(1): Compliance Demonstration
- 17 6NYCRR 225-1.2(a)(2): Compliance Demonstration

Emission Unit Level

EU=U-00001

- 18 6NYCRR 227-2.4(d): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 19 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 20 6NYCRR 201-5: General Provisions
- 21 6NYCRR 201-5: Permit Exclusion Provisions
- 22 6NYCRR 201-5: Emission Unit Definition
- 23 6NYCRR 201-5.3(b): Contaminant List
- 24 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 25 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 26 6NYCRR 201-5: Process Definition By Emission Unit

EU=U-00002,EP=00003,Proc=ETO,ES=E0003

- 27 6NYCRR 212.3(a): Compliance Demonstration
- 28 6NYCRR 212.3(a): Compliance Demonstration
- 29 6NYCRR 212.3(a): Compliance Demonstration
- 30 6NYCRR 212.3(a): Compliance Demonstration
- 31 6NYCRR 212.3(a): Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

32 6NYCRR 212.3(a): Compliance Demonstration
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Permit Effective Date: 05/30/2002

Permit Expiration Date: No expiration date.



FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 16: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 215

Item 16.1:

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 3: Maintenance of equipment
Effective between the dates of 05/30/2002 and Permit Expiration Date

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.

Condition 6: Recycling and Salvage
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 6.1:

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 7: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 7.1:

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: Proof of Eligibility
Effective between the dates of 05/30/2002 and Permit Expiration Date



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

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

Item 9.1:

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 10: Proof of Eligibility

Effective between the dates of 05/30/2002 and Permit Expiration Date

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

Item 10.1:

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 14: Required emissions tests

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 14.1:

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 15: Visible emissions limited.

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 211.3

Item 15.1:

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-



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

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

Condition 1: Sealing
Effective between the dates of 05/30/2002 and Permit Expiration Date

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 05/30/2002 and Permit Expiration Date

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 4: Unpermitted Emission Sources
Effective between the dates of 05/30/2002 and Permit Expiration Date

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.



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

(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: Emergency Defense
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 5.1:

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 8: Public Access to Recordkeeping
Effective between the dates of 05/30/2002 and Permit Expiration Date

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

Item 8.1:

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



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

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.

Condition 11: Compliance Demonstration

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 11.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 11.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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:

Annual reporting is required.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 45000 pounds per year

Monitoring Frequency: ANNUALLY

Averaging Method: ANNUAL TOTAL

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

Condition 12: Compliance Demonstration

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 12.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264



Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

FACILITY'S TOTAL OXIDES OF NITROGEN (NO_x) EMISSIONS SHALL BE LOWER THAN 22.5 TONS PER YEAR.

THIS WILL BE ACCOMPLISHED BY RESTRICTING THE FUEL CONSUMPTION OF NATURAL GAS TO BE BELOW 296 MILLION CUBIC FEET PER YEAR AND NO. 2 FUEL OIL TO BE BELOW 40,000 GALLONS PER YEAR. ANNUAL REPORTING IS REQUIRED.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 296 million cubic feet per year

Monitoring Frequency: ANNUALLY

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

Condition 13: Compliance Demonstration

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.1(a)(1)

Item 13.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

FACILITY'S TOTAL OXIDES OF NITROGEN (NO_x) EMISSIONS SHALL BE LOWER THAN 22.5 TONS PER YEAR.

New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264



THIS WILL BE ACCOMPLISHED BY RESTRICTING THE FUEL CONSUMPTION OF NATURAL GAS TO BE BELOW 296 MILLION CUBIC FEET PER YEAR AND NO. 2 FUEL OIL TO BE BELOW 40,000 GALLONS PER YEAR. ANNUAL REPORTING IS REQUIRED.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: NUMBER 2 OIL
Upper Permit Limit: 40 thousand gallons per year
Monitoring Frequency: ANNUALLY
Averaging Method: CALENDAR YEAR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due every 12 calendar month(s).

Condition 17: Compliance Demonstration
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)

Item 17.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any distillate oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.00 percent by weight
Monitoring Frequency: PER DELIVERY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**** Emission Unit Level ****

New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264



Condition 18: Compliance Demonstration

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-2.4(d)

Item 18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually. The owner or operator of a small boiler shall maintain a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

Monitoring Frequency: ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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

Condition 19: Unavoidable noncompliance and violations
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 19.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

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

Condition 20: General Provisions

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 20.1:

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 20.2:

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 20.3:

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

Condition 21: Permit Exclusion Provisions

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 21.1:

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



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

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 22: Emission Unit Definition
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 22.1:

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

Emission Unit: U-00001

Emission Unit Description:

TWO IDENTICAL CLEAVER-BROOKS BOILERS (CB-350-600) EMISSION POINT 00001 AND EMISSION POINT 00002. THESE ARE DUAL-FUEL (PRIMARY - NATURAL GAS, SECONDARY - NUMBER 2 FUEL) EACH RATED AT 14.6 MILLION BTU/HOUR. EACH BOILER EXHAUSTS THROUGH SEPARATE FLUE IN A COMMON STACK.

Building(s): 1

Item 22.2:

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

Emission Unit: U-00002

Emission Unit Description:

ONE ETHYLENE OXIDE STERILIZER (AMSCO CRYOTHERM) EQUIPPED WITH AN ABATOR (ADVANCED AIR TECHNOLOGIES SAFE CELL II EtO DESTRUCTOR). THE EMISSIONS FROM THE EtO ABATEMENT EXITS THROUGH A DEDICATED STACK.

Building(s): 1



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

Condition 23: Contaminant List

Effective between the dates of 05/30/2002 and Permit Expiration Date

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

Item 23.1:

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

CAS No: 000110-71-4

Name: ETHYLENE GLYCOL DIMETHYL ETHER

CAS No: 000075-21-8

Name: ETHYLENE OXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Condition 24: Air pollution prohibited

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 24.1:

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 25: Emission Point Definition By Emission Unit

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 25.1:

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 63

Diameter (in.): 23



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

NYTMN (km.): 4525.1 NYTME (km.): 653.3 Building: 1

Emission Point: 00002

Height (ft.): 63

Diameter (in.): 23

NYTMN (km.): 4525.1 NYTME (km.): 653.5 Building: 1

Item 25.2:

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

Emission Unit: U-00002

Emission Point: 00003

Height (ft.): 24

Length (in.): 12

Width (in.): 12

NYTMN (km.): 4525.1 NYTME (km.): 653.5 Building: 1

Condition 26:

Process Definition By Emission Unit

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 26.1:

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

Emission Unit: U-00001

Process: BNG

Source Classification Code: 1-03-006-02

Process Description:

TWO (2) EXTERNAL COMBUSTION BOILERS
BURNING NATURAL GAS AS PRIMARY FUEL. FLUE
GASES EXIT THROUGH TWO SEPARATE STACKS.
TYPICALLY, BOTH BOILERS ARE IN OPERATION IN
SUMMER. DURING WINTER, ONLY ONE IS IN
OPERATION AND THE OTHER IS ON STANDBY.
THESE BOILERS ARE LOCATED AT THE ST.
CATHERINE OF SIENA MEDICAL CENTER.

Emission Source/Control: E0001 - Combustion

Design Capacity: 14.6 million Btu per hour

Emission Source/Control: E0002 - Combustion

Design Capacity: 14.6 million Btu per hour

Item 26.2:

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

Emission Unit: U-00001

Process: BOI

Source Classification Code: 1-02-005-01

Process Description:



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

TWO (2) EXTERNAL COMBUSTION BOILERS
BURNING NUMBER 2 FUEL OIL AS A SECONDARY
FUEL ONLY DURING PEAK WINTER OR IN
INSTANCES OF NATURAL GAS SUPPLY OUTAGE.

Emission Source/Control: E0001 - Combustion
Design Capacity: 14.6 million Btu per hour

Emission Source/Control: E0002 - Combustion
Design Capacity: 14.6 million Btu per hour

Item 26.3:

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

Emission Unit: U-00002

Process: ETO

Source Classification Code: 3-15-020-01

Process Description:

ONE ETHYLENE OXIDE STERILIZER, UTILIZING
OXYFUME 2000 GAS MIXTURE (ETO AND
REFRIGERANT) FOR STERILIZING SURGICAL
TOOLS. STERILIZER IS EQUIPPED WITH ABATOR.
PERMITTED SINCE JUNE 1995. TYPICALLY,
OPERATED ONCE A DAY.

Emission Source/Control: E0004 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: E0003 - Process
Design Capacity: 100 cubic feet per minute

Condition 27: Compliance Demonstration

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 212.3(a)

Item 27.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003
Process: ETO Emission Source: E0003

Regulated Contaminant(s):

CAS No: 000075-21-8 ETHYLENE OXIDE

Item 27.2:

Compliance Demonstration shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

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

Monitoring Description:

The ethylene oxide HCFC-124 mixture to be used in the
Ethylene Oxide sterilizer shall have a maximum of 8.6
percent of ethylene oxide.

Parameter Monitored: ETHYLENE OXIDE

Upper Permit Limit: 8.6 percent

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 28: Compliance Demonstration
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 212.3(a)

Item 28.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003
Process: ETO Emission Source: E0003

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Abator must be on when the sterilizer is operated. The
operation of ETO abator is monitored for compliance in
accordance with the manufacturer's instructions.

Manufacturer Name/Model Number: AMSCO / CRYOTHERM

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 29: Compliance Demonstration
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 212.3(a)



Item 29.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003
Process: ETO Emission Source: E0003

Item 29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall maintain a log containing the following information:

- i. The date of sterilization load.
- ii. The quantity of sterilization gas used per month (in pounds).
- iii. The date the scrubbing liquor is replaced.
- iv. Ethylene glycol concentration in scrubbing liquor at the time it is changed.
- v. Date and time of sterilizer malfunctions and maintenance.

Sterilizer and scrubber system must be operated and maintained according to the manufacturer's recommendations.

If there are any changes to the permitted activity including, but not limited to, the operation of the sterilizer and/or both aerator, operation of the ethylene oxide abator system, number loads sterilized per day, equipment, process, emissions and/or exceedances of the above conditions, the Regional Air Pollution Control Engineer shall be notified in writing within thirty days of the change.

Upon the RAPCE request, owner/operator shall perform emissions testing of the abator system with a Department approved protocol. Such protocol shall be submitted to the RAPCE for approval within 60 days. Prior to testing with approved protocol, owner/operator shall provide 30 days notice to RAPCE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264

Condition 30: Compliance Demonstration

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 212.3(a)

Item 30.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003
Process: ETO Emission Source: E0003

Regulated Contaminant(s):
CAS No: 000075-21-8 ETHYLENE OXIDE

Item 30.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of ethylene oxide emissions discharged during sterilizer process cycle and aeration cycle shall be reduced by 99 percent or greater before discharge to the atmosphere.

Parameter Monitored: ETHYLENE OXIDE
Lower Permit Limit: 99 percent by weight
Reference Test Method: EPA METHOD 18
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 31: Compliance Demonstration

Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 212.3(a)

Item 31.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003
Process: ETO Emission Source: E0003

Regulated Contaminant(s):
CAS No: 000110-71-4 ETHYLENE GLYCOL DIMETHYL ETHER

Item 31.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 1-4734-00264/00015

Facility DEC ID: 1473400264



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

Monitoring Description:

The maximum concentration of ethylene glycol in scrubber liquor of the Ethylene Oxide sterilizer shall not exceed 40 percent.

Parameter Monitored: ETHYLENE GLYCOL DIMETHYL ETHER

Upper Permit Limit: 40 percent

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL
CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 32: Compliance Demonstration
Effective between the dates of 05/30/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 212.3(a)

Item 32.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002 Emission Point: 00003

Process: ETO Emission Source: E0003

Regulated Contaminant(s):

CAS No: 000075-21-8 ETHYLENE OXIDE

Item 32.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A maximum of 4.057 pounds of Ethylene oxide HCFC-124 mixture shall be used per load during the operation of the Ethylene Oxide sterilizer.

Parameter Monitored: ETHYLENE OXIDE

Upper Permit Limit: 4.057 pounds

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY