

New York State Department of Environmental Conservation
Facility DEC ID: 1472000585



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 1-4720-00585/00015
Effective Date: 03/06/2006 Expiration Date: No expiration date

Permit Issued To: STERICYCLE INC
28161 NORTH KEITH DR
LAKE FOREST, IL 60045

Contact: WILLIAM SWEENEY
BIO SYSTEMS PARTNERS
210 SHERWOOD AVENUE
FARMINGDALE, NY 11735
(631) 756-9433

Facility: BIO SYSTEMS PARTNERS PROPERTY
210 SHERWOOD AVE
FARMINGDALE, NY 11735

Description:

NATURE OF THE BUSINESS AT THE FACILITY:

Bio Systems Partners collects Regulated Medical Waste (RMW) sharps from hospitals, research and clinical facilities, biotechnology companies and small quantity generators. Wastes are treated by autoclaving on-site and disposed off-site.

(Primary SIC) - 4953

TYPE OF EQUIPMENT AND FACILITY OPERATION:

RMW sharps from all service divisions are transported to the facility in reusable containers, emptied into large bins, treated in two Getinge steam sterilization vacuum autoclave units, destroyed in a JEFFRY hammer mill and shipped for off-site disposal. The reusable containers are sanitized on-site and reassembled for reuse. Steam sterilization involves the use of saturated steam within a pressure vessel at temperatures sufficient to disinfect the wastes.

Air emissions, as a result of venting off the steam from autoclave units, grinding and shredding by the hammer mill, cart/tunnel washer and container re assembly area are emitted through four emission points.

AIR PERMIT APPLICABILITY:

This permit is based on the permit modification application dated February 2000. The initial air permit was issued in 1995 to operate one autoclave unit and subsequently revised in September 1996 to add a second autoclave unit. The monthly throughput was limited to 120 tons per month. The owner requested to increase the throughput which prompted the facility to conduct air emission testing. Stack testing protocol was developed based on the Department air guidance memorandum 93-AIR-37. This testing was completed in April 2001 and report submitted in July 2001. The final monthly throughput was

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agreed upon to be 435 tons per month.

Operations of two autoclave units, one hammer mill, cart washing and repacking are considered as process operation and subject to 6NYCRR Part 212 regulation.

OCCURRENCE OF CAPPING:
None

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: ROGER EVANS
 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

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

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

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

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual

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transfer of ownership.

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

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

Condition 5: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 5.1:

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

Item 6.1:

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

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(631) 444-0365



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ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: STERICYCLE INC
28161 NORTH KEITH DR
LAKE FOREST, IL 60045

Facility: BIO SYSTEMS PARTNERS PROPERTY
210 SHERWOOD AVE
FARMINGDALE, NY 11735

Authorized Activity By Standard Industrial Classification Code:
4953 - REFUSE SYSTEMS

Permit Effective Date: 03/06/2006

Permit Expiration Date: No expiration date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 3 6NYCRR 200.7: Maintenance of Equipment
- 4 6NYCRR 201-1.7: Recycling and Salvage
- 5 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 6 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 7 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 8 6NYCRR 202-1.1: Required Emissions Tests
- 9 6NYCRR 211.3: Visible Emissions Limited
- 10 6NYCRR 212.4: Compliance Demonstration
- 11 6NYCRR 212.6(a): Compliance Demonstration

Emission Unit Level

EU=0-CDR12,Proc=CDR

- 12 6NYCRR 200.7: Compliance Demonstration
- 13 6NYCRR 200.7: Compliance Demonstration

EU=0-CDR12,Proc=CDR,ES=AUTO1

- 14 6NYCRR 200.7: Compliance Demonstration
- 15 6NYCRR 212.4: Compliance Demonstration

EU=0-CDR12,Proc=CDR,ES=AUTO2

- 16 6NYCRR 200.7: Compliance Demonstration
- 17 6NYCRR 212.4: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 18 ECL 19-0301: Contaminant List
- 19 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 20 6NYCRR 201-5: Emission Unit Definition
- 21 6NYCRR 201-5.3(b): Compliance Demonstration
- 22 6NYCRR 201-5.3(b): Contaminant List
- 23 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 24 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 25 6NYCRR 201-5: Process Definition By Emission Unit

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FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:

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

Condition 2: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 215

Item 2.1:

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

Condition 3: Maintenance of Equipment
Effective between the dates of 03/06/2006 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 4: Recycling and Salvage
Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 4.1:

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 5: Prohibition of Reintroduction of Collected Contaminants to the air



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Applicable Federal Requirement: 6NYCRR 201-1.8

Item 5.1:

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

Condition 6: Exempt Sources - Proof of Eligibility

Effective between the dates of 03/06/2006 and Permit Expiration Date

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

Item 6.1:

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

Condition 7: Trivial Sources - Proof of Eligibility

Effective between the dates of 03/06/2006 and Permit Expiration Date

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

Item 7.1:

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

Condition 8: Required Emissions Tests

Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 8.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report



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acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 9: Visible Emissions Limited
Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 211.3

Item 9.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 10: Compliance Demonstration
Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4

Item 10.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This facility is restricted to process 435 tons of Regulated Medical Waste (RMW) per month. Two autoclave units shall only treat infectious waste. Laboratory solvents, chemicals or hazardous wastes are not authorized to process at this facility.

No changes to operation of these units, process and/or emissions are permitted unless prior approval from the Department is obtained.

Production records must be retained for at least 5 years and available to the Department representative upon request. These records shall consist of the following:

- a. Date and process time of each autoclave unit operation
- b. Weight of autoclave material processed, based on the quarterly reports submitted to the Division of Solid and Hazardous Material.



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- c. Operating parameters such as chamber pressure and temperature
- d. Description of waste

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: REGULATED MEDICAL WASTE (RMW)

Upper Permit Limit: 435 tons per month

Reference Test Method: N/A

Monitoring Frequency: MONTHLY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 11: Compliance Demonstration
Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 11.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-0APA1 Emission Point: 00002

Emission Unit: 0-0CTW1 Emission Point: 00003

Emission Unit: 0-CDR12 Emission Point: 00001

Emission Unit: 0-CDR12 Emission Point: 00004

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 11.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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



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Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 12: Compliance Demonstration
Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.7

Item 12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CDR12
Process: CDR

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC
CAS No: 0NY100-00-0 HAP
CAS No: 0NY500-00-0 TOTAL REDUCED SULFUR
CAS No: 000050-00-0 FORMALDEHYDE

Item 12.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Each autoclaving unit shall maintain a minimum residence
time as indicated in this condition.

Parameter Monitored: RESIDENCE TIME
Lower Permit Limit: 30 minutes
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 13: Compliance Demonstration
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Applicable Federal Requirement: 6NYCRR 200.7

Item 13.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CDR12

Process: CDR

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

CAS No: 0NY500-00-0 TOTAL REDUCED SULFUR

CAS No: 000050-00-0 FORMALDEHYDE

Item 13.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Each autoclaving unit shall maintain a minimum pressure
as indicated in this condition.

Parameter Monitored: PRESSURE

Lower Permit Limit: 30 pounds per square inch gauge

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 14: Compliance Demonstration

Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.7

Item 14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CDR12

Process: CDR

Emission Source: AUTO1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

CAS No: 0NY500-00-0 TOTAL REDUCED SULFUR

CAS No: 000050-00-0 FORMALDEHYDE



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Item 14.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Autoclaving Unit No. 1 shall maintain a minimum
temperature as indicated in this condition.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 275 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 15: Compliance Demonstration
Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4

Item 15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CDR12

Process: CDR Emission Source: AUTO1

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The maximum charging rate of sharps and other permitted
RMW shall not exceed 1000 pounds per 60-minute cycle,
provided wastes are not above the level of bins. The
Department reserves the right to perform or require the
facility verifying the charging rates at any time during
facility operation.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: REGULATED MEDICAL WASTE (RMW)

Upper Permit Limit: 1000 pounds per load

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

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Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 16: Compliance Demonstration

Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.7

Item 16.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CDR12

Process: CDR Emission Source: AUTO2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

CAS No: 0NY500-00-0 TOTAL REDUCED SULFUR

CAS No: 000050-00-0 FORMALDEHYDE

Item 16.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Autoclaving Unit No. 2 shall maintain a minimum
temperature as indicated in this condition.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 279 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 17: Compliance Demonstration

Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4

Item 17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-CDR12

Process: CDR Emission Source: AUTO2

Item 17.2:

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Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The maximum charging rate of sharps and other permitted RMW shall not exceed 800 pounds per 85-minute cycle, provided wastes are not above the level of bins. The Department reserves the right to perform or require the facility verifying the charging rates at any time during facility operation.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: REGULATED MEDICAL WASTE (RMW)

Upper Permit Limit: 800 pounds per load

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 18: Contaminant List

Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 18.1:

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

CAS No: 000050-00-0
Name: FORMALDEHYDE

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

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

CAS No: 0NY500-00-0
Name: TOTAL REDUCED SULFUR

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

Condition 19: Unavoidable noncompliance and violations

Effective between the dates of 03/06/2006 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



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include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

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

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

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

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

Condition 20: Emission Unit Definition

Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 20.1:

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

Emission Unit: 0-0APA1

Emission Unit Description:

THIS UNIT CONTAINS ONE WALL MOUNTED FAN
THAT VENTILATES THE ASSEMBLY AND PACKAGING
AREA (APA)

Building(s): PLANT

Item 20.2:



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Facility DEC ID: 1472000585

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

Emission Unit: 0-OCTW1

Emission Unit Description:

THIS UNIT CONSISTS OF ONE VENT THAT
EXHAUST AIR FROM THE CART AND TUNNEL WASHER
OPERATIONS.

Building(s): PLANT

Item 20.3:

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

Emission Unit: 0-CDR12

Emission Unit Description:

THIS UNIT CONSISTS OF TWO VENTS THAT
EXHAUST AIR FROM THE COOL DOWN ROOM AND
FROM THE GRINDING ROOM.

Building(s): PLANT

Condition 21: Compliance Demonstration

Effective between the dates of 03/06/2006 and Permit Expiration Date

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

Item 21.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required in this permit shall
be submitted to the Regional Air Pollution Control
Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept of Environmental Conservation
Region 1
SUNY @ Stony Brook
Building 40
Stony Brook, NY 11790-2356

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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Facility DEC ID: 1472000585

Condition 22: Contaminant List

Effective between the dates of 03/06/2006 and Permit Expiration Date

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

Item 22.1:

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

CAS No: 000050-00-0

Name: FORMALDEHYDE

CAS No: 0NY100-00-0

Name: HAP

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY500-00-0

Name: TOTAL REDUCED SULFUR

CAS No: 0NY998-00-0

Name: VOC

Condition 23: Air pollution prohibited

Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 23.1:

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 24: Emission Point Definition By Emission Unit

Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 24.1:



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Facility DEC ID: 1472000585

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

Emission Unit: 0-0APA1

Emission Point: 00002

Height (ft.): 15

Diameter (in.): 48

NYTMN (km.): 4511.3

NYTME (km.): 633.4

Building: PLANT

Item 24.2:

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

Emission Unit: 0-0CTW1

Emission Point: 00003

Height (ft.): 23

Length (in.): 18

Width (in.): 18

NYTMN (km.): 4511.3

NYTME (km.): 633.4

Building: PLANT

Item 24.3:

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

Emission Unit: 0-CDR12

Emission Point: 00001

Height (ft.): 23

Length (in.): 18

Width (in.): 18

NYTMN (km.): 4511.3

NYTME (km.): 633.4

Building: PLANT

Emission Point: 00004

Height (ft.): 23

Length (in.): 19

Width (in.): 19

NYTMN (km.): 4511.3

NYTME (km.): 633.4

Building: PLANT

Condition 25: Process Definition By Emission Unit

Effective between the dates of 03/06/2006 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 25.1:

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

Emission Unit: 0-0APA1

Process: APA

Process Description:

CLEANED CONTAINERS ARE REASSEMBLED AND PLACED BACK IN THE RACKS IN THE CLEAN ASSEMBLY AND PACKAGING AREA (APA). AN EXHAUST FAN IS LOCATED ON THE EAST WALL OF THIS AREA. THIS FAN IS TYPICALLY USED IN THE WARMER MONTHS TO PROVIDE COOLING AIR TO

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ASSEMBLERS WORKING IN THAT AREA, OR AS
NEEDED IN OTHER TIMES OF THE YEAR.

Emission Source/Control: 00APA - Process

Item 25.2:

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

Emission Unit: 0-0CTW1

Process: CTW

Process Description:

THE REUSABLE SHARPS CONTAINERS ARE CLEANED
AND DECONTAMINATED IN A CESCO MODEL CWTSB
36 TUNNEL WASHER. WHEELED ITEMS AND
ACCESSORIES, INCLUDING RACKS, TRANSPORT
CARTS AND TOPS LOADED IN WASH CARTS, ARE
CLEANED IN A CESCO MODEL CS 60 CART WASHER.
A ROOF MOUNTED FAN DRAWS AIR FROM THESE
TWO OPERATIONS AND VENTS IT TO THE
ATMOSPHERE.

Emission Source/Control: 0CART - Process

Emission Source/Control: 0TUNL - Process

Item 25.3:

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

Emission Unit: 0-CDR12

Process: CDR

Process Description:

REGULATED MEDICAL WASTE (RMW) SHARPS ARE
TREATED IN TWO GETINGE STEAM STERILIZATION,
VACUUM AUTOCLAVE UNITS. STEAM
STERILIZATION (AUTOCLAVING INVOLVES THE USE
OF SATURATED STEAM WITHIN A PRESSURE VESSEL
AT TEMPERATURES SUFFICIENT TO KILL
INFECTIOUS AGENTS IN THE WASTE. THE UNIT
1 (MODEL 4474 AR2) AND UNIT 2 (MODEL 6474
AR1) AUTOCLAVES CAN HANDLE APPROXIMATELY
1000 AND 800 POUNDS OF RMW SHARPS PER
CYCLE, RESPECTIVELY. THE CYCLE TIME FOR
TREATING THE WASTE IS APPROXIMATELY ONE
HOUR. BIOSYSTEMS ESTIMATES THAT 19 CYCLES
CAN BE EASILY ACCOMPLISHED IN A 24 HOUR
PERIOD, WHICH INCLUDES TIME FOR BREAKS,
SHIFT CHANGES, AND SWITCHING CONTAINERS

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BETWEEN CYCLES. ONCE THE WASTE HAS BEEN TREATED, THE BINS ARE REMOVED TO THE COOL DOWN ROOM (CDR). EACH BIN IS ADVANCE IN A QUEUE THROUGH THE CDR TOWARDS THE ADJACENT GRINDING ROOM. TWO ROOF MOUNTED FANS EQUIPPED WITH HORIZONTAL EXHAUST DUCTS VENT AIR FROM THE CDR THROUGH CEILING OUTLETS TO THE ATMOSPHERE.

Emission Source/Control: AUTO1 - Process
Design Capacity: 1,000 pounds

Emission Source/Control: AUTO2 - Process
Design Capacity: 800 pounds

Emission Source/Control: HAMMR - Process

Item 25.4:

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

Emission Unit: 0-CDR12

Process: GDR

Process Description:

WASTE BINS THAT ARE SUFFICIENTLY COOL ARE MOVED FROM THE COOL DOWN ROOM (CDR) TO THE GRINDING ROOM. THE CONTENTS OF THE BIN ARE DUMPED INTO A JEFFREY HAMMERMILL THAT EFFECTIVELY DESTROYS THE TREATED RMW SHARPS. THE TREATED AND DESTROYED WASTE IS THEN PACKAGED AND SENT OFF SITE FOR DISPOSAL. THERE ARE NO DOORS SEPARATING THE CDR AND GRINDING ROOM. AS SUCH, THE CDR VENTILATION SYSTEM ALSO DRAWS AIR FROM THE GRINDING ROOM.

Emission Source/Control: HAMMR - Process