

UTAH SOLID AND HAZARDOUS WASTE CONTROL BOARD

SOLID WASTE PERMIT RENEWAL

#9102R2

**CLASS V INCINERATOR
(INCINERATOR)**

Pursuant to the provisions of the *Utah Solid and Hazardous Waste Act*, Title 19, Chapter 6, Utah Code Annotated (UCA) 1953, as amended (the Act) and the *Utah Solid Waste Permitting and Management Rules*, Utah Administrative Code (UAC) R315-301 through 320 (the Solid Waste Rules) adopted thereunder,

Stericycle, Inc.

is hereby authorized to operate the **Medical Waste Incinerator** at the site described under the "Location" section of this permit.

The operation of the incinerator is subject to the condition that Stericycle, Inc. (**Permittee**) meet the requirements set forth herein.

All references to UAC R315-301 through 320 are to regulations that are in effect on the date that this permit becomes effective.

This permit shall become effective February 15, 2006.

This permit shall expire at midnight February 14, 2011.

Signed this _____ day of February, 2006.

Dennis R. Downs, Executive Secretary
Utah Solid and Hazardous Waste Control Board

NAME Stericycle, Inc.

ADDRESS Stericycle, Inc.
90 North 1100 West
North Salt Lake, Utah 84054

TYPE Commercial Medical Waste Incinerator

BASE CAPACITY: The base capacity, for the purpose of compliance with UAC 19-6-108(1)(6), of this incinerator is 1350 pounds per hour (which is approximately 16 tons per day). The permitted capacity of this incinerator was increased to 1850 pounds per hour in 1993. The capacity with this permit renewal will remain at 1850 pounds per hour (which is 24.3 tons per day). The capacity of 1850 pounds per hour shall be based on the annual amount of waste incinerated divided by 8760 (the total number of hours per year). The hourly incineration rate for this incinerator shall not be greater than the three-hour capacity allowed under the existing Air Quality Permit.

PERMIT NUMBER: **#9102R2**

LOCATION: **Commercial Medical Waste Incinerator** encompassing all of Lot 3, WASATCH FRONT INDUSTRIAL PARK, PLAT A, according to the official plat thereof, on file and of record in the Davis County Recorder's Office. Recorded July 6, 1977, as Entry No. 466509, in Book 657, at Page 475, Davis County Recorder's Office. The incinerator is located in the SE 1/4 of the NE 1/4 of the SW 1/4 of Section 3, T1N, R1W SLBM. The street address is 90 North 1100 West, City of North Salt Lake. The coordinates of the front gate of this facility are:

Longitude: 40' 50' 56" North
Latitude: 111' 56' 31" West

Permit as used in this document is defined in Utah Administrative Code (UAC) R315-301-2(55). Stericycle submitted an application for permit renewal on December 26, 2002. An updated permit application was submitted May 14, 2004. The revised application is incorporated into this permit. All representations made in the revised permit application are part of this permit and will also become part of the *Operating Record* of the Permittee. Where differences in wording

exist between this permit and the revised application, the wording of the permit supersedes that of the revised application.

The facility as described in this permit consists of the medical waste incinerator, incoming waste handling facilities and ash collection areas hosted at the address shown above.

By this permit to operate, the Permittee is subject to the following conditions:

I. GENERAL COMPLIANCE RESPONSIBILITIES

A. General Operation

The Permittee shall operate the medical waste incinerator in accordance with all requirements of UAC R315-306 unless otherwise noted in this permit. Any permit noncompliance or noncompliance with any applicable rules in UAC R315-301 through 320 constitutes a violation of the permit or applicable rule and is grounds for appropriate enforcement action, permit revocation, modification, or denial of a permit renewal application.

B. Acceptable Waste

This permit allows for incineration of medical wastes primarily and other wastes as outlined in the revised permit application (Document #2004.01935, May 14, 2004) in Section III: Waste Acceptance Protocol. Incineration of other solid wastes will be considered a violation of this permit and grounds for appropriate enforcement action. The wastes that are incorporated in the Permit Application dated May 14, 2004 include:

1. Infectious Wastes, Pathological Wastes and Laboratory Wastes that include:
 - a. Laboratory Wastes includes:
 - i. Cultures – medical/pathological
 - ii. Cultures/stocks of infectious agents – research and industrial
 - iii. Vaccines and related waste generated in the production thereof
 - iv. Microbiologic specimens and related waste
 - b. Surgical specimens/tissues, contaminated animal parts, tissues, carcasses or body fluids (pathological waste exclusive of preservative agents)
 - c. Fluid blood/blood products, containers/equipment and exudates, secretions, body fluids including, but not related to, isolation waste.
2. Sharps Waste Including, But Not Limited To:
 - a. Needles, syringes, blades, needles with attached tubing, disposable surgical instruments

- b. Medical/laboratory glassware including slides, pipettes, blood tubes, blood vials, contaminated broken glass
- 3. Other medical waste as required by the infection control staff, physician, veterinarian, or local health officer to be isolated and handled as regulated medical waste.
- 4. Trace-Contaminated Chemotherapy (Antineoplastic/Cytotoxic Drugs) Waste:
 - a. Gowns, gloves, masks, barriers, IV tubing, empty bags/bottles, needles and syringes, empty drug vials, spill kits, and other items generated in the preparation and administration of antineoplastic drugs
- 5. Other Wastes:
 - a. Expired and unused pharmaceuticals:
 - i. Where prior authorization or certification has been received from STERICYCLE, INC., pharmaceutical waste may be accepted for destruction. Pharmaceuticals that may be considered hazardous waste according to Federal or State regulations cannot be accepted for treatment.
 - ii. Confidential records/proprietary packaging and products
 - iii. Contraband (e.g. police evidence, excluding weapons or munitions)
 - iv. Agriculture (APHIS) waste
 - v. Outdated, off-specification or unused consumer commodities
 - vi. Recalled or outdated disposable medical equipment or supplies
 - vii. "Municipal solid waste" as defined by UAC R315-301-2(46) contaminated with infectious materials
 - b. Other non-hazardous waste as approved by the Executive Secretary when such wastes are appropriate for a medical waste incinerator.
- 6. Stericycle shall obtain approval from the Executive Secretary prior to the acceptance and disposal of animals contaminated with "Mad Cow" disease (Bovine Spongiform Encephalopathy, BSE), chronic wasting disease, or bird flu (Avian Influenza). The facility must demonstrate to the satisfaction of the Executive Secretary and the Utah Department of Agriculture that the incinerator can be operated such that the time/temperature profiles of the incinerator can effectively destroy the animals and the disease that infects that animal.

C. Prohibited Waste

1. No hazardous waste as defined by UAC R315-1 and R315-2 or PCB's as defined by UAC R315-301-2;
2. Household waste; municipal waste; special waste, construction/demolition waste as defined by UAC R315-301-2(16) except as allowed in Section IB above,
3. Yard waste,
4. Industrial waste,
5. Asbestos,
6. Asphalt,
7. Waste paints, solvents, sealers, adhesives or other similar hazardous or potentially hazardous materials

D. Inspections and Inspection Access

The Permittee shall allow the Executive Secretary of the Utah Solid and Hazardous Waste Control Board or an authorized representative, including representatives from the Davis County Health Department, to enter and inspect, at reasonable times, this incinerator facility and any practice or operation regulated or required under this permit. A record of any inspection may be made by photographic, videotape, electronic, or other reasonable means.

E. Self Inspections

The Permittee shall inspect the incinerator site, including the fencing, gate, or other access controls and the storm water run-on/run-off controls. These inspections shall be performed at a frequency no less than quarterly. A record of these inspections shall be maintained in the *Operating Record*.

F. Noncompliance

1. If monitoring, inspection, or testing indicates that any permit condition or any applicable rule under UAC R315-301 through 320 may be or is being violated, the Permittee shall promptly make corrections to the operation or other activities to bring the facility into compliance with all permit conditions or rules.
2. In the event of any noncompliance with any permit condition or violation of an applicable rule, the Permittee shall promptly take any feasible action reasonably necessary to correct the noncompliance or violation and mitigate any risk to the human health or the environment. Actions may include eliminating the activity causing the noncompliance or violation and containment of any waste or contamination using barriers or access restrictions, placing of warning signs, or permanently closing areas of the facility.

3. The Permittee shall: document the noncompliance or violation in the operating record, on the day the event occurred or the day it was discovered; notify the Executive Secretary of the Solid and Hazardous Waste Control Board by phone within 24 hours, or the next business day following documentation of the event; and give written notice of the noncompliance or violation and measures taken to protect public health and the environment within seven days of Executive Secretary notification.
4. Within thirty days of the documentation of the event, the Permittee shall submit, to the Executive Secretary, a written report describing the nature and extent of the noncompliance or violation and the remedial measures taken or to be taken to protect human health and the environment and to eliminate the noncompliance or violation.
5. Upon receipt and review of the assessment report, the Executive Secretary may order the Permittee to perform appropriate remedial measures including development of a site remediation plan for approval by the Executive Secretary. In an enforcement action, the Permittee may not claim as a defense that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with UAC R315-301 through 320 and this permit.
6. Compliance with the terms of this permit does not constitute a defense to actions brought under any other local, State, or Federal laws. This permit does not exempt the Permittee from obtaining any other local, State or Federal permits or approvals required for the facility operation.
7. The issuance of this permit does not convey any property rights, other than the rights inherent in this permit, in either real or personal property, or any exclusive privileges nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations including zoning ordinances.
8. The provisions of this Permit are severable. If any provision of this permit shall be held invalid for any reason, the remaining provisions shall remain in full force and effect. If the application of any provision of this permit to any circumstance is held invalid, its application to other circumstances shall not be affected.

G. Air Quality Permits

The Permittee shall maintain all authorizations required from the Utah Division of Air Quality for the operation of the incinerator and associated pollution control devices.

H. Ash Analysis

1. The Permittee shall sample the bottom ash resulting from the incineration of medical and other permitted waste at a frequency of once every six months in accordance with Rules R315-316-5: Infectious Waste Treatment and Disposal Requirements.
2. Herbicides, pesticides, volatiles, and semi volatiles parameters have been eliminated based upon one year of monthly sampling with no statistically significant levels of organic constituents. The petition for eliminating these parameters was submitted to the Division of Solid and Hazardous Waste as a Permit Modification of the previous permit and this Permit Modification was granted December 14, 1993. At this time, ash shall be sampled for metal constituents only.
3. Once every five years, the Permittee shall perform the full TCLP analysis to ascertain that the incinerator continues to remove all organic TCLP constituents.
4. Results of ash analysis shall be submitted to the Division of Solid and Hazardous Waste within one week of receipt of results or no later than sixty days from the sampling date.
5. Results of all testing shall be kept on file at the facility and available for inspection for a minimum of three years.
6. If test results are positive for hazardous characteristics or constituents, the facility shall notify the Executive Secretary of the Solid and Hazardous Waste Control Board within two business days of the receipt of results.
7. Written notification shall be provided to the Executive Secretary within ten business days.
8. Resampling must occur within one week of positive results. If re-sampling shows that the ash is hazardous, then the ash must be disposed at an approved hazardous waste disposal facility.
9. Furthermore, each subsequent bin of ash must be sampled for TCLP metals until two consecutive bins indicate that the ash is not a characteristic hazardous waste and documentation supporting the analysis submitted to the Executive Secretary.

I. Revocation

1. This permit is subject to revocation if any condition of this permit is not being met. The Permittee will be notified in writing prior to any proposed revocation action and such action will be subject to all applicable hearing procedures established under UAC R315-12 and the *Utah Administrative Procedures Act*.
2. Revocation of this permit does not revoke the financial assurance established for closure and post-closure care of the facility, nor remove any responsibility

on the part of the permittee for completion of closure and post-closure care for the facility required in UAC R315-302-3.

J. Attachment Incorporation

Attachments to the permit application are incorporated by reference into this permit and are enforceable conditions of this permit, as are documents incorporated by reference into the attachments. Language in this permit supercedes any conflicting language in the attachments or documents incorporated into the attachments.

II. INCINERATOR OPERATION

A. Access Controls

At least one person, employed by the Permittee, shall be at the facility site during all hours that it is open and operating. The incinerator facility site shall be fenced and the entry gate shall be locked during the time the facility is not open.

B. Burning of Waste

Intentional burning of solid wastes outside the incinerator unit is prohibited. All accidental fires shall be extinguished immediately.

C. Recordkeeping

The Permittee shall maintain and keep an *Operating Record* at the incinerator facility site or at another location determined acceptable by the Executive Secretary. This *Operating Record* for the facility shall be made available for inspection during normal operating hours. The *Operating Record* shall include:

- a. Copy of this permit including the permit application;
- b. Number of vehicles entering the site each day of operation;
- c. Record of the weights of waste received each day of operation;
- d. Record of the weights of waste incinerated each day
- e. Records of any inspections;
- f. Records of any noncompliance.

Weights of medical waste incinerated daily shall be recorded in the *Operating Record*. Weights of medical waste incinerated shall be noted in pounds per hour based on an average hourly rate.

D. Reporting

An *Annual Report* shall be prepared and submitted to the Executive Secretary by March 1 of each year for the preceding calendar (or fiscal) year of facility operation. This *Annual Report* shall include:

- a. The name and address of the facility;
- b. the calendar (or fiscal) year covered by the report;
- c. the annual quantity of waste disposed (in tons);
- d. the annual update of the closure costs and financial assurance requirement;
- e. any training program completed;
- f. and any other information required by the Executive Secretary.

E. Operations Plan

1. The Operations Plan included in the permit application and the solid waste permit issued by the Executive Secretary shall be kept onsite at the incinerator.
2. The incinerator shall be operated in accordance with the operations plan as included in the permit application. If necessary, the facility owner may modify the Operations Plan, provided that the modification meets all of the requirements of UAC R315-301 through 320, is as protective of human health and the environment as that approved in the permit application, and is approved by the Executive Secretary as a minor modification under UAC R315-311-2(1)(a)(xiii).
3. Any modification to the Operations Plan shall be noted in the operating record.
4. Ash bins shall be covered with a wind-proof tarp that has been tied down to prevent air disbursement of ash from the bins.

III. CLOSURE REQUIREMENTS

A. Financial Assurance for Closure

1. The established financial assurance shall be updated each year of operation and adjusted for any inflation or facility modification that may have affected the closure costs.
2. Any changes in the closure cost must be reflected in the estimated closure costs based on the most recent annual update of the closure costs.

3. The Permittee has established a Certificate of Insurance for the cost of the closure estimate. In accordance with the Rules R315-309-3, the insurance policy must be maintained for a face amount equal to or in excess of the closure, post-closure, or corrective action cost estimates.
4. The Permittee must notify the Executive Secretary of the Utah Solid and Hazardous Waste Control Board 120 days in advance of cancellation of this Certificate of Insurance.

B. Closure

1. The final closure of the incinerator facility shall consist of removing any waste remaining at this facility to an approved solid waste disposal facility and decontaminating and decommissioning all the facility equipment to the extent practicable.
2. All electrical equipment shall be de-energized and all hazardous materials shall be removed from this site.
3. All ash shall be removed and disposed at an approved disposal facility.
4. All other utilities, including water and compressed air, shall be disconnected.

IV. ADMINISTRATIVE REQUIREMENTS

A. Permit Modification

Modifications to this permit may be made by the Executive Secretary when necessary as a result of new information or statutory or regulatory changes, or upon approval by the Executive Secretary of the Permittee's request for modification. The Permittee will be given written notice of any permit modification initiated by the Executive Secretary.

B. Permit Transfer

This permit may be transferred to a new Permittee by meeting the requirements of the permit transfer provisions of UAC R315-310-10.

C. Expiration

An application for a permit renewal shall be made at least six months prior to the expiration date, as shown on the signature (cover) page, of this permit. If a timely renewal application is made but the permit renewal is not complete by the expiration date, this permit shall continue in force until renewal is completed or denied.

D. Revocation

This permit is subject to revocation if any condition of the permit is not being met. The Permittee will be notified in writing prior to any proposed revocation action and such action will be subject to all applicable hearing procedures established under the Solid Waste Rules and the *Utah Administrative Procedures Act*.

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