

**California State University Channel Islands
MEDICAL WASTE MANAGEMENT PLAN**

Facility Information

California State University Channel Islands
One University Drive
Camarillo CA 93012

Telephone: (805) 437- 3550
Emergency Telephone: CSU Channel Islands Police 911 or (805) 437-8444

CSU Channel Islands is registered as a small quantity generator of medical waste (Facility ID FA0024137).

Person Responsible for Implementation of the Plan

CSU Channel Islands Environmental Health and Safety Personnel
Telephone: (805) 437-3550

Types of Medical Waste Generated

- (X) Laboratory wastes - specimen or microbiologic cultures, stocks of potentially infectious agents, and culture media.
- (none) Blood or body fluids - liquid blood elements or other regulated body fluids, or articles contaminated with blood or body fluids.
- (none) Sharps - syringes, needles, blades, broken glass
- (none) Surgical specimens - human or animal parts or tissues removed surgically or by autopsy.
- (none) Pharmaceutical waste

No medical waste is discharged to sewers. Currently no mixed radioactive/medical waste, or pharmaceutical waste is generated. Future generation of these waste types will be evaluated and managed in accordance with appropriate regulations. Our University conducts no infectious disease research using live animals.



Approved Medical Waste Hauler/Treatment Facilities

Stericycle, Inc.
2775 East 26th St.
Vernon, CA 90023
(213) 263-6400

Approved for hauling and treatment of medical waste.

Hazardous Waste Hauler/Emergency Response & Mail-In Medical Waste Contractor

Clean Harbors Environmental
2500 E. Victoria Street
Rancho Dominguez, CA
1(800) 645-8265 (24-hour response line)
Emergency Response

Trauma Scene Waste Management Practitioner

Bio-One So Cal
31127 Via Colinas, #803
Westlake Village, CA 91361
818.839.9000 | 805.852.1600

CSU Channel Islands contracts with both Stericycle and Clean Harbors Environmental to manage medical waste generated on campus. The university periodically reviews and updates contractors as necessary but always maintains contracts to manage these waste streams in accordance with applicable regulations.

Facility Description

CSU Channel Islands is a small quantity generator of medical waste (less than 200 pounds per month).

Biology and M.S. Biotechnology: Regulated medical waste is generated in two programs on campus; Biology and M.S. Biotechnology. Their estimated average monthly totals for waste generation are approximately ten pounds per month. Waste is from small scale human cell culture; petri dishes, pipettes, glass and sharps associated paper goods and gloves.

Nursing Program: Does not generate medical waste. Sharps used by the nursing program are not used on humans or other living organisms. Broken sharps are placed into rigid containers and given to Student Health Services for proper disposal.

Student Health Center: The student health center is operated by the County of Ventura under contract with CSU Channel Islands. Medical waste management and disposal is handled by the county under a separate registration with the Ventura County Environmental Health Division.



Emergency Action Plan

Medical waste is stored only in secure areas. Biology and M.S. Biotechnology program waste is transported, treated and disposed by our medical waste management company. In the event that our medical waste management company is incapable of transporting medical waste in a timely manner, our hazardous waste disposal contractor will provide these services.

In the event of a spill of biohazardous materials, the university has the capability to mitigate any adverse effects. The university has a round-the-clock police department to address emergencies. The university maintains both a general emergency response plan/emergency operations center and a hazardous materials emergency response plan. The university also maintains a trauma scene emergency response contractor to respond to incidents and accidents that involve trauma.

The university electrical supply is provided by Southern California Edison by a 66 kilovolt (kv) power line that feeds the campus. In the event of a power outage back up power is supplied by a 16 kv line. In the event that both lines fail, the University operates and maintains emergency backup generators that will automatically operate when a power failure is detected. This backup system maintains power to medical waste storage areas in the event of power outage.

Medical waste quantities generated are very small and can be cleaned easily by a single person familiar with the materials. Thus, the person handling the medical waste will also be responsible for cleanup of any spill. Clean up shall be completed using gloves and eye protection using one of the solutions (or an equivalent) described below. As a backup, our medical waste contractor and our hazardous waste disposal contractor have emergency response capabilities and can respond to hazardous materials emergencies.

Clean Up Procedures and Solutions - In the case of a spill of medical waste, clean up may be done by rinsing or immersion for three minutes using one of the following chemical sanitizers. The concentrations listed below are minimum concentrations, stronger solutions are, of course, more effective.

- Commercially available bleach or ammonia solutions each contain about 5% (five percent) hypochlorite or quaternary ammonia respectively. A dilution of one part of the commercial product to 49 (forty-nine) parts water produces a solution of approximately 1000 (one thousand) parts per million (equivalent to 0.1% active ingredient). Note that bleach and ammonia should never be mixed together.
- Phenolic solutions of 500 parts per million (0.05%) of the active agent.
- Iodoform solutions of 100 parts per million (0.01%) of the active agent.



Waste Treatment Procedures

No treatment of medical waste is performed at the university. Biohazardous waste (human cell culture waste) is treated off site by our medical waste contractor. Tracking documents for transport and treatment of medical waste are maintained for a minimum of three years.

Biology Program Procedures

The Biology and M.S. Biotechnology programs generate medical waste consisting of human cell culture wastes. The determination of what is or is not regulated as medical waste is performed by the professional staff.

Collection & Segregation: Medical waste is collected at the point of generation in rigid containers lined with red biohazard bags. Surfaces of the rigid containers are always protected from contamination by disposable bags which are removed with the waste. The containers are labeled with the words "Biohazardous Waste" or "Biohazard" and the international biohazard symbol, such that the labels can be seen from all sides. Medical waste is segregated from other types of waste at the point of generation. At the end of every day, or sooner if the container becomes full, the biohazard bag is removed from the container and tied closed. The bagged medical waste is then transferred to the storage freezer.

The maximum allowable storage time for medical waste at or above 32° Fahrenheit (F) is seven days. Medical waste at the facility is not stored at or above 32° (F). The maximum storage time of medical waste below 32°F is 90 days. Facility medical waste is stored inside the freezer until picked up by a registered hazardous waste disposal company or mailed in through the mail-in program. The storage time does not exceed 90 days.

Sharps wastes are collected at the point of generation in "no cut" rigid walled, puncture resistant containers. A separate container is available in every area where sharps waste is generated. When the containers become full, they are closed securely and the lid is taped and taken to the storage freezer.

Storage: The Biology and M.S. Biotechnology Programs have a secure storage area in which there is a freezer used exclusively for medical waste storage; the freezer is secured (locked) except when waste is added or removed. The freezer is marked with a sign that reads (in English and in Spanish) "CAUTION - BIOHAZARDOUS WASTE STORAGE - UNAUTHORIZED PERSONS KEEP OUT". Medical waste storage does not exceed 90 days.



Nursing Program Procedures

The CSU Channel Islands Nursing Program does not generate medical waste. Sharps used for training purposes are never in contact with human or animal tissue. Broken sharps used in teaching are collected at the point of generation in "no cut" rigid walled, puncture resistant sharps containers. When the container becomes full it is transferred to the Student Health Center for proper disposal.

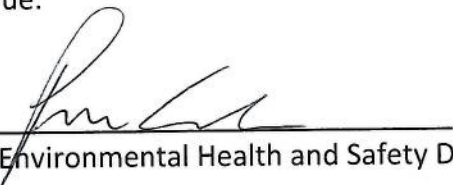
CSU Channel Islands Student Health Program

The CSU Channel Islands student health program is operated by The County of Ventura. Medical waste generated by the student health program is managed, stored and disposed by the County of Ventura under a separate medical waste facility registration number.

Certification

I hereby certify that to the best of my knowledge and belief the statements made herein are correct and true.

Signature: _____



Date: 30 July 2018

Peer Gerber, Environmental Health and Safety Director

