Hazardous Waste Management Program

Program Summary: The UC Irvine Hazardous Waste Management Program (HWMP) provides cost-effective hazardous waste management programs to assure compliance with all Federal, State and local regulations.

1. Program Description

The UC Irvine Hazardous Waste Management Program (HWMP) provides cost-effective hazardous waste management programs to assure compliance with all Federal, State and local regulations.

The goals of the UC Irvine HWMP are to:

- Develop an operational strategy for managing hazardous wastes generated in teaching laboratories, research laboratories, facilities maintenance, construction operations, and all other institutions within UC Irvine that will:
  - Establish consensus for policies and procedures that are practical to carry out, efficient, and cost-effective.
  - Promote excellence in environmental stewardship among staff, students and faculty.
- Promote cooperation, understanding and mutual respect between environmental protection agencies, academic institutions and the scientific research community.
- Develop a plan for implementing policies and procedures for managing hazardous wastes.

2. Scope

This program details the elements of the HWMP in order to:

- Identify and establish consensus for policies and procedures for managing hazardous wastes.
- Assure compliance with all Federal, State and local regulations.

3. Definitions

- CUPA – Certified Unified Program Agency.
- DTSC – Department of Toxic Substances Control.
- EPA - Environmental Protection Agency.

4. Responsibilities

4.1 Staff / Students / Faculty / Lab personnel

- Have general knowledge of hazardous waste management including waste identification, labeling, segregation, storage and disposal.
- Participate in training programs in order to gain the necessary skills and knowledge to appropriately manage hazardous waste.
- Follow guidelines, policies and procedures.

4.2 P.I. / Lab manager

- Convey importance of Hazardous Waste Management Program.
- Responsible for day-to-day training or oversee day-to-day training.
• Responsible for lab personnel getting proper training and following procedures.
• Follow-up on audit findings.

4.3 Department Chairs / Dean
• Responsible for ensuring that P.I.s / group are meeting the intent under this Hazardous Waste Management Program.

4.4 EH&S Hazardous Waste Management Division
• Provide good service to meet customer needs.
• Handle hazardous waste safely.
• Conduct identification and waste characterization (if not done by labs).
• Manage regulatory compliance and internal finances for waste disposition.
• Provide program framework for labs.
• Provide training resources and consultative services.
• Obtaining and maintaining an EPA identification number.
• Manage off-site hazardous waste transportation and disposal requirements.
• Manage land disposal restrictions for certain hazardous wastes.
• Record keeping of the types and amounts of hazardous wastes generated.
• Review and sign all Uniform Hazardous Waste Manifests.

5. Program Components

UC Irvine is a large quantity generator (LQG) of hazardous waste. The hazardous waste regulations impose a number of requirements on LQG's of hazardous waste including:

5.1 Process for identification and classification of hazardous wastes.
• Hazardous waste is defined in California Code of Regulations Title 22 that fully incorporate federal regulations in section 66261 as a waste that is either listed as a hazardous waste, or exhibits any characteristic of a hazardous waste.

5.2 Initial point of generation requirements.
• Package any hazardous waste generated in a container compatible with the hazardous waste, and keep wastes segregated to prevent an incompatible mixture.
• Keep containers closed at all times except to add or remove wastes.
• Proper labeling of hazardous waste containers.

5.3 Storage time limits.
• Labs and other areas within UC Irvine that generate hazardous waste must follow the quantity and accumulation time limits for hazardous waste.

5.4 Hazardous waste disposal request.
• EH&S provides hazardous waste disposal pickup service.

5.5 Storage area security and signs.
• Requires sufficient security to prevent unauthorized entry into hazardous waste storage areas.

5.6 Hazardous waste storage area requirements.
• Hazardous waste must be managed in accordance with the UC Irvine guidelines.
5.7 Hazardous waste container inspections.
   • Hazardous waste containers must be inspected weekly for leaks, corrosion or deterioration.

5.8 Hazardous waste labeling.
   • All hazardous waste must be appropriately labeled upon the start of accumulation.

5.9 Emergency preparedness and contingency plan.
   • Emergency planning must be conducted and documented for hazardous waste storage.

5.10 Training requirements for hazardous waste handlers.
   • Employees who handle hazardous waste in any capacity must be trained at a level equal with their duties.

5.11 Waste Minimization.
   • Implement source reduction as the preferred method of managing hazardous waste.

5.13 Uniform Hazardous Waste Manifests
   • All Uniform Hazardous Waste Manifests must be reviewed and signed by an authorized EH&S Hazardous Waste Management staff member.

For more information on hazardous waste management at UC Irvine visit https://www.ehs.uci.edu/programs/enviro/.

6. Reporting Requirements

6.1 Hazardous Waste Generator Fee
6.2 EPA ID Number Verification Questionnaire
6.3 Hazardous Waste Biennial Report

7. Information and External References

Hazardous Waste Management Laws and Regulations

**State Laws**
Hazardous Substance Account Act (HSAA) Health and Safety Code § 25340-25392
Hazardous Waste Treatment Permitting Reform Health and Safety Code § 25201 Act (AB 1772)

**Federal Laws**
Resource Conservation and Recovery Act 42 USC § 6901-6987 (RCRA)
Comprehensive Environmental Response, 42 USC § 9601-9675
Compensation and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA)

**State Regulations**
Identification and Listing of Hazardous Waste 22 CCR §§66261-66261.126
Requirements for Generators, Generally 22 CCR §§66262.10-66262.70
Requirements for Generators, Contingency 22 CCR §§66264.50-66265.56
Plan Requirements for Generators, Personnel 22 CCR §66265.16
Training Requirements for Transporters 22 CCR §66263
Land Disposal Prohibitions 22 CCR §66268