

### **BENCH-TOP TREATMENT**

#### **AB 966 Laboratory Hazardous Waste: Treatment: Residues**

Under Assembly Bill 966 (1998), California waste regulations allow labs to conduct bench-top treatment provided certain requirements are followed. The treatment of hazardous waste may result in the generation of residuals, precipitates, or less hazardous waste that will still need to be managed as hazardous waste through Environmental Health and Safety (EH&S). Laboratories may not participate in the bench-top treatment program unless approved by EH&S.

Requirements:

- Meet training requirements
- Meet record keeping requirements
- Follow specific treatment process method
- Seek EH&S approval

Summary of California State Law bench-top treatment requirements:

1. The laboratory hazardous waste is treated in containers using treatment methods in accordance with Prudent Practices in the Laboratory 1995 (p. 160-171)\*, National Research Council procedures, or other peer-reviewed scientific publications.
2. The treatment is conducted in a laboratory within 10 calendar days after the date the laboratory hazardous waste is generated.
3. The amount of hazardous waste treated in a single batch does not exceed the quantity limit recommended in published procedures, 5 gallons, or 18 kilograms (whichever is the smaller quantity).
4. The hazardous waste treated is from a single experiment or set of experimental processes. A treatment log must be maintained for 3 years.
5. The person performing the treatment has knowledge of the laboratory hazardous waste being treated, including knowledge of the procedure that generated the waste. Documentation of training for all persons must be kept for a minimum of 3 years. The individual must be trained in the following areas:
  - UCSB-EH&S Laboratory Safety Class (3 hours)
  - UCSB-EH&S hazardous waste management procedures
  - How to conduct safe and compliant treatment methods
  - Managing treatment residuals
  - Responding to emergency situations

## ***Environmental Health and Safety***

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6. The laboratory hazardous waste, all treatment residuals, and effluents are managed in accordance with all applicable regulations including federal, state, and local requirements. All records maintained by the laboratory, pertaining to treatment, must be available for inspection upon request by a representative from Cal/EPA, Santa Barbara County Fire Department, and UCSB-EH&S.

### References:

\*Prudent Practices in the Laboratory:  
Handling and Disposal of Chemicals  
National Research Council  
National Academy Press  
Washington, D.C. 1995



# ***Environmental Health and Safety***

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## **Training Requirements and Log**

Individuals must be trained in the following areas:

- UCSB-EH&S Laboratory Safety Class (3 hours)
- UCSB-EH&S hazardous waste management procedures
- How to conduct safe and adequate treatment methods (experiment-specific training is used to complete the treatment process)
- Managing treatment residuals
- Responding to emergency situations

Name	Date trained	Employee ID #	Supervisor

EH&S Approval: x \_\_\_\_\_

Date: \_\_\_\_\_