

Site-Specific Chemical Hazard Training Form

OSHA's Laboratory Standard (29 CFR 1910.1450) requires that each laboratory employee, including students, be made aware of the location and content of the laboratory's Chemical Hygiene Plan. The Chemical Safety Handbook serves as UTHSCSA's Written Hazard Communication Plan and Chemical Hygiene Plan. **The OSHA Laboratory Safety Standard further requires that the employee's supervisor provide training, which covers the specific topics described in the checklist below. This training must be provided at the time of the employee's initial assignment, on a refresher basis and upon updating procedures. A current copy of this signed form must be on file for each laboratory worker with Environmental Health & Safety.**

Name of Employee _____ Dept/Campus _____

UTHSCSA Badge # _____ Lab(s) _____

Job Title _____ Work Phone _____

PI/Supervisor _____

Description of Training:

Acknowledgement:

I acknowledge that I have read and understood the contents of all safety plans for UTHSCSA and know its location within the laboratory. I have received adequate training on the specific hazards present in the laboratory, including any laboratory-specific procedures. All my questions have been answered to my satisfaction and I understand that I should contact my supervisor or Environmental Health & Safety should my duties change which would require additional training.

Employee Signature

Date

Signature of Principal Investigator / Supervisor

Date

The Environmental Health & Safety Office offers a course entitled *Laboratory Safety & Hazardous Waste Generator's Training Course*. This **mandatory** course for all new employees who work with hazardous chemicals/materials covers the following topics:

- General Safety Awareness** - safety handbooks, departmental procedures, material safety data sheets (MSDS), personal protective equipment, chemical fume hoods, & biological safety cabinets
- Hazardous Chemicals: Definition, Recognition & Labeling Requirements** – NFPA 704 code, RCRA requirements
- Classification of Hazardous Chemicals & Hazardous Wastes** - Regulatory agencies (DOT, EPA/RCRA, OSHA, TCEQ, SAWS), physical hazards, health hazards, hazardous waste characteristics
- Handling and Storage of Hazardous Chemicals and Hazardous Waste** – Safe handling of chemicals in the laboratory, secondary containment; chemical incompatibilities, chemical & regulated medical waste pick-up and disposal procedures
- Additional Training Requirements**

- **UTHSCSA Waste Recycling Programs** - Dental amalgam-Mercury, used oils, batteries, silver, etc.
- **Emergency Response** – chemical spills, injuries, fire

Laboratory-Specific Training Checklist

In addition to the required *Laboratory Safety & Hazardous Waste Generator's Training Course*, each Principal Investigator/Laboratory Supervisor should conduct laboratory-specific training. This checklist may be used to assist employers with the laboratory-specific training requirements outlined in the OSHA Laboratory Safety Standard (29 CFR 1910.1450). Many of these topics can be found in the current Chemical Safety Handbook – Revision 4, February 2007.

- **Safety Handbooks, MSDS (Chapter 2.0), Laboratory-Specific Standard Operating Procedures**
 - Review contents of Chemical Safety Handbook
 - Review procedures for how to access MSDS
 - Review laboratory-specific procedures, equipment in use
- **Chemical Inventory (Chapters 3.0, 4.0, 6.0, 8.0)**
 - Review chemicals used and define hazards
 - Safe handling, locations for storage and segregation of hazardous chemicals, container labeling
- **Compressed Gas Cylinders / Liquid Nitrogen (Chapter 5.0)**
 - Inspection, storage, labeling, and handling of cylinders
- **Emergency Information**
 - Review location of fire extinguishers, fire alarm pull stations, safety showers, eyewash stations, first aid supplies
 - Review Laboratory-Specific Evacuation Plan – alarm activation, building evacuation & re-entry procedures, equipment shutdown procedures, and special consideration for non-fire hazards (poisons, corrosives, irritants, radioactive materials, biological hazards)
- **Chemical Waste Management Procedures (Chapter 12.0)**
 - Selection of Containers, Labeling, Secondary Containment
 - Laboratory's Storage Location for Hazardous Waste
 - How to Request a Chemical Pick-Up
- **Chemical Purchasing/Procurement**
 - Review UTHSCSA Procurement Card Policy
 - Laboratory's Procedures for Ordering Chemicals
- **Annual Laboratory Safety Evaluations (Chapter 9.0)**
 - Review Results of Most Recent Lab Safety Evaluations and Corrective Actions
- **Laboratory Hygiene & Personal Protective Equipment (Chapter 10.0)**
 - Personal Protective Equipment (PPE) Requirements for the Lab
 - Laboratory-Specific Housekeeping Procedures
- **Environmental Monitoring (Chapter 7.0) & Safety Equipment**
 - Review Use of Specific Chemicals That Would Warrant Chemical Exposure Monitoring
 - How to Request Monitoring from Environmental Health & Safety
 - Review Laboratory Directional Airflow, Chemical Fume Hoods, Biological Safety Cabinets
- **Medical Surveillance**
 - Review Laboratory-Specific Requirements - Hepatitis B Virus Vaccine, TB Skin Test, Baseline Serum Sampling, Respirator Use & Fit Test
- **Chemical Spills and Emergency Response (Chapter 13.0)**
 - Review Laboratory-Specific Spill Response, Decontamination, Procedure for Reporting Injuries & Illnesses
 - Review Recent Spills/Accidents/Injuries and Discuss Prevention Measures
 - Post Phone Number to South Texas Poison Center (1-800-222-1222)

Send signed copy to Environmental Health & Safety Office, 1.343T DTL