

# Chemical Hygiene Plan

The UAB Department of Occupational Health and Safety requires each laboratory on campus to develop and abide by a written Chemical Hygiene Plan (CHP) as outlined by the U.S. Occupational Safety and Health Administration (OSHA) in 29 CFR 1910.1450 "Occupational Exposure to Hazardous Chemicals in Laboratories." The following document is designed to serve as a guide for Principal Investigators, Laboratory Directors, Managers, and Supervisors to fulfill this requirement. The CHP must protect employees from health hazards associated with chemicals used in that laboratory and keep exposures to hazardous chemicals below the levels set forth in 29 CFR 1910, subpart Z. The required elements of the plan are:

1. Standard Operating Procedures
2. Criteria for Exposure Control Measures
3. Fume Hoods and Protective Equipment
4. Information and Training
5. Circumstances Requiring Prior Approval
6. Medical Consultation and Examination
7. Chemical Hygiene Officer
8. Work with Extremely Hazardous Substances

Principal Investigator, Laboratory Manager, Director or Supervisor:	Chemical Hygiene Officer:
Department:	Campus Address:
Building(s):	Date:
Room Number(s) covered by this plan:	Date of Review/Update (at least annually):

## I. Standard Operating Procedures

This laboratory follows general procedures set forth in the UAB Chemical Safety and Waste Management Manual concerning the use and handling of hazardous chemicals. Below are listed any additional standard operating procedures or references used in the covered laboratories.

Additional References

## II. Criteria for Exposure Control Measures

This laboratory follows the recommendations outlined in Sections 3 and 4 of the UAB Chemical Safety and Waste Management Manual for the control of exposure to hazardous chemicals. Materials designated as Extremely Hazardous are summarized in Section 3.2.

Exposure Control Criteria	Exposure Control Measures
Use of any hazardous material	Refer to Sections 3 and 4 <u>UAB Chemical Safety and Waste Management Manual</u>
Use of Extremely Hazardous Substances	Refer to Section 3.2 <u>UAB Chemical Safety and Waste Management Manual</u>

## III. Fume Hoods and Protective Equipment

Chemical fume hoods are certified through the Division of Biological Safety. A sticker is attached to the unit at the time of certification. Records of certification are kept in the office of the Department of Occupational Health and Safety, Room 445 Community Health Services Building, 933 19th Street South, Birmingham, AL 35294. Eye washes are tested weekly by laboratory personnel. Safety showers are tested by the maintenance department and tagged at the time of inspection.

Protective Equipment (Location)	Method Used to Verify Performance

#### IV. Information and Training

This is to document that personnel in this laboratory have been trained in the following as required by the UAB Chemical Safety and Waste Management Program:

- The requirements of the Hazard Communication and Chemical Safety and Waste Management Programs.
- Basic chemical handling and laboratory safety procedures.
- Physical and health hazards of chemicals.
- How to read and interpret labels and material safety data sheets (MSDS's).
- The location and availability of the written program, MSDS's, the hazardous chemical inventory, and methods of personal protection.

Name	SS #	Date

Attach an outline or summary of any additional training required in this laboratory, as well as the frequency of such training.

**V. Circumstances Requiring Prior Approval**

The following procedures and activities require prior approval:

Activity	Approval Procedure	Person Authorized to Grant Approval

**VI. Medical Consultation and Examination**

Laboratory personnel will have the opportunity to receive medical consultation and examination under the following circumstances:

- Development of signs or symptoms of exposure to a hazardous chemical used in the laboratory.
- Environmental monitoring reveals that exposure to an OSHA regulated substance with monitoring and medical surveillance requirements routinely exceeds the action level or Permissible Exposure Limit (PEL).
- A spill, leak or explosion has occurred in the laboratory which could have resulted in a hazardous exposure.

Non-emergency consultation will be provided through The Workplace. Emergency treatment will be provided through the University Hospital Emergency Department.

List other provisions for medical consultations and examinations below.

Criteria	Medical Provider

## VII. Chemical Hygiene Officer

List the name, campus address and extension of the individual designated as Chemical Hygiene Officer for this laboratory on page one of this document. According to 29 CFR 1910.1450 "*Chemical Hygiene Officer*" means an employee who is designated by the employer, and who is qualified by training or experience, to provide technical guidance in the development and implementation of the provisions of the Chemical Hygiene Plan. This definition is not intended to place limitations on the position description or job classification that the designated individual shall hold within the employer's organizational structure.

## VIII. Work with Extremely Hazardous Substances

Below is an inventory of those agents designated by the University as Extremely Hazardous Substances and any additional control measures specific to this laboratory required for work involving those substances.

<b>Extremely Hazardous Substance</b>	<b>Supplemental Controls:</b> Designated Areas Containment Devices Decontamination Procedures

Attach any relevant documentation pertaining to the use of "select agents" as defined in 42 CFR 72.

This plan shall be made available to laboratory personnel or their representatives, to representatives of the UAB Department of Occupational Health and Safety, and to representatives of those granting and accreditation agencies associated with this laboratory.