

The OSHA Laboratory Standard

The basis for this standard (29 CFR 1910.1450) is a determination by the Occupational Safety and Health Administration (OSHA), after careful review of the complete rule-making record, that laboratories typically differ from industrial operations in their use and handling of hazardous chemicals and that a different approach than that found in OSHA's substance specific health standards is warranted to protect workers. The final standard applies to all laboratories that use hazardous chemicals in accordance with the definitions of laboratory use and laboratory scale provided in the standard. Generally, where this standard applies it supersedes the provisions of all other standards in 29 CFR, part 1910, subpart Z, except in specific instances identified by this standard. For laboratories covered by this standard, the obligation to maintain employee exposures at or below the permissible exposure limits (PELs) specified in 29 CFR, part 1910, subpart Z is retained. However, the manner in which this obligation is achieved will be determined by each employer through the formulation and implementation of a Chemical Hygiene Plan (CHP). The CHP must include the necessary work practices, procedures and policies to ensure that employees are protected from all potentially hazardous chemicals used or stored in their work area. Hazardous chemicals as defined by the final standard include not only chemicals regulated in 29 CFR part 1910, subpart Z, but also any chemical meeting the definition of hazardous chemical with respect to health hazards as defined in OSHA's Hazard Communication Standard, 29 CFR 1910.1200(c).

Among other requirements, the final standard provides for employee training and information, medical consultation and examination, hazard identification, respirator use and record keeping. To the extent possible, the standard allows a large measure of flexibility in compliance methods.

Effective Date of 1910.1450: May 1, 1990. Compliance Date: Employers shall have completed an appropriate Chemical Hygiene Plan and commenced carrying out its provisions by January 31, 1991.

The Occupational Safety and Health Administration (OSHA) requires that laboratory employees be made aware of the Chemical Hygiene Plan at their place of employment (29 CFR 1910.1450).

This document serves as the written Chemical Hygiene Plan (CHP) for laboratories using chemicals at Clemson University. The CHP and University Laboratory Safety Manual are a regular, continuing effort, not a standby or short-term activity. Departments, divisions, sections, or other work units engaged in laboratory work whose hazards are not sufficiently covered in this written manual must customize the Laboratory Safety Manual by adding their own sections as appropriate (e.g. standard operating procedures, emergency procedures, identifying activities requiring prior approval).

After reading the Clemson University Chemical Hygiene Plan, complete and return a copy of this form to your supervisor. By signing below you acknowledge that you have read and understand the Chemical Hygiene Plan and the policies and procedures applicable to the OSHA standard (29 CFR 1910.1450). The Chemical Hygiene Standard (Lab Standard) 29CFR1910.1450 can be accessed

at: http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10106

Your supervisor will provide additional information and training as appropriate.

The latest revision of the Chemical Hygiene Plan can be accessed at:

<http://www.clemson.edu/research/safety/manuals/index.html>

Please type or print

legibly. Signature

Name: _____

Student or staff ID number:

Department:

Job Classification (if employee):

Supervisor/PI

Name Signature Date

Completed CHP Awareness Certifications are to be kept in the CHP binder or in a labeled binder if a hard copy of the CHP is not kept in the laboratory. These, and all safety training records, should be organized in a way that allows original records to be retrieved quickly and efficiently on request by an OSHA inspector or an Office of Research Safety (ORS) staff member, and to be retrieved for a single staff member or for an entire work group (identified by supervisor).

It is the policy of Clemson University to take every reasonable precaution to provide a work environment that is free from recognized hazards for its employees in accordance with the General Duty clause of the OSHA Act (Public Law 91-596, Section 5(a)(1)). Clemson University is also required by the OSHA Laboratory Standard (29CFR 1910.1450) to ensure that the necessary work practices, procedures and policies are implemented to protect laboratory employees from all potentially hazardous chemicals in use in their work area.