

NORTH CAROLINA DEPARTMENT OF LABOR
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
RALEIGH, NORTH CAROLINA

Chapter 7
Subchapter 7C
NC-OSH

CFR Revision 108

Field Information System Part I
Occupational Exposure to Hazardous Chemicals in
Laboratories; Final Rule

DISCUSSION:

On 31 January 1990, Federal OSHA published a final rule for exposures of hazardous chemicals in laboratories at 29 CFR 1910.450, Subpart Z. This final rule applies to all laboratories that use hazardous chemicals in accordance with the definition of laboratory use and scale provided in the standard. For covered laboratories, this standard retains the obligation to maintain employee exposures at or below the PEL's specified in 29 CFR 1910, Subpart Z. 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 in use in their work area. Hazardous chemicals are defined to be not only chemicals regulated under 29 CFR 1910, Subpart Z, but also any chemical meeting the definition of hazardous chemicals with respect to health hazards as defined in the Hazard Communication Standard at 29 CFR 1910.1200(c). This standard is designed to protect laboratory employees who are engaged in work involving exposure to a multitude of toxic substances under frequently changing and/or unpredictable conditions. Thus, OSHA has promulgated a special performance-oriented work practices standard that applies to laboratory workers and requires that prudent work practices and protective equipment be chosen for the specific facility and task.

Occupational Exposure to Hazardous Chemicals in Laboratories; Final Rule was published Wednesday, 31 January, 1990 at 55 FR 3300. This federal final rule became effective on 1 May 1990. Employers shall have completed an appropriate Chemical Hygiene Plan, and commenced carrying out its provisions by the compliance date of 31 January 1991. Under this final rule, employers are required to develop and implement a Chemical Hygiene Plan (CHP) for any substance regulated at 29 CFR 1910, Subpart Z, as well as any chemical defined in the Hazard Communication Standard (HCS) at 29 CFR 1910.1200(c). The North Carolina effective date is 3 September 1990. The federal compliance date was not changed.

ACTION:

This federal final rule at 29 CFR 1910.1450 has been adopted verbatim by the Commissioner of Labor with an effective date of 3 September, 1990. A copy of the Federal Register announcement, at [55 FR 3300](#), is attached. Please file this NC-CFR Revision with the attachment in Part I of your Field Information System.

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(Signed on original)

Date: 9-12-90

Filing Date: 27 June, 1990

Effective Date: 3 September, 1990

Number: 13 NCAC 7C.0101 (a)(102)