

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

Chapter 7  
Subchapter 7C  
NC-OSH

CFR Revision 116

Field Information System Part I  
Occupational Exposure to Cadmium;  
Final Rules

DISCUSSION:

On September 14, 1992 Federal OSHA promulgated a new general industry standard which regulates occupational exposure to cadmium. This new standard - 29 CFR 1910.1027 - establishes a 8 - hour time weighted average permissible exposure limit (TWA PEL) of 5 micrograms of cadmium per cubic meter ( $\mu\text{g}/\text{m}^3$ ) of air for all cadmium compounds, including dust and fumes. Employers are required to comply with this limit primarily by means of engineering controls and work practices. For a small number of industries listed in Table I of the standard, OSHA has established a separate engineering control air limit (SECAL) as the lowest feasible above the PEL that can be achieved by engineering and work practice controls.

In addition, Federal OSHA promulgated a separate standard - 29 CFR 1926.63 - for cadmium in the construction industry. This was necessary in order to address differences in job durations, types of exposure, and worksite conditions. This construction standard includes the requirement for a competent person, the duties of whom are described under paragraph (b) *Definitions*.

ACTION:

These new federal final rules at 29 CFR [1910 Subpart Z](#) and [29 CFR 1926](#) Subpart D were adopted verbatim in North Carolina by the Commissioner of Labor with an effective date of February 8, 1993. A copy of the complete texts from the **Federal Register** ([FR 57:42389](#) and [FR 57:42452](#)) and announcement (Vol. 57, No. 178) are attached. Please file this NC CFR revision in Part I of your Field Information System.

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