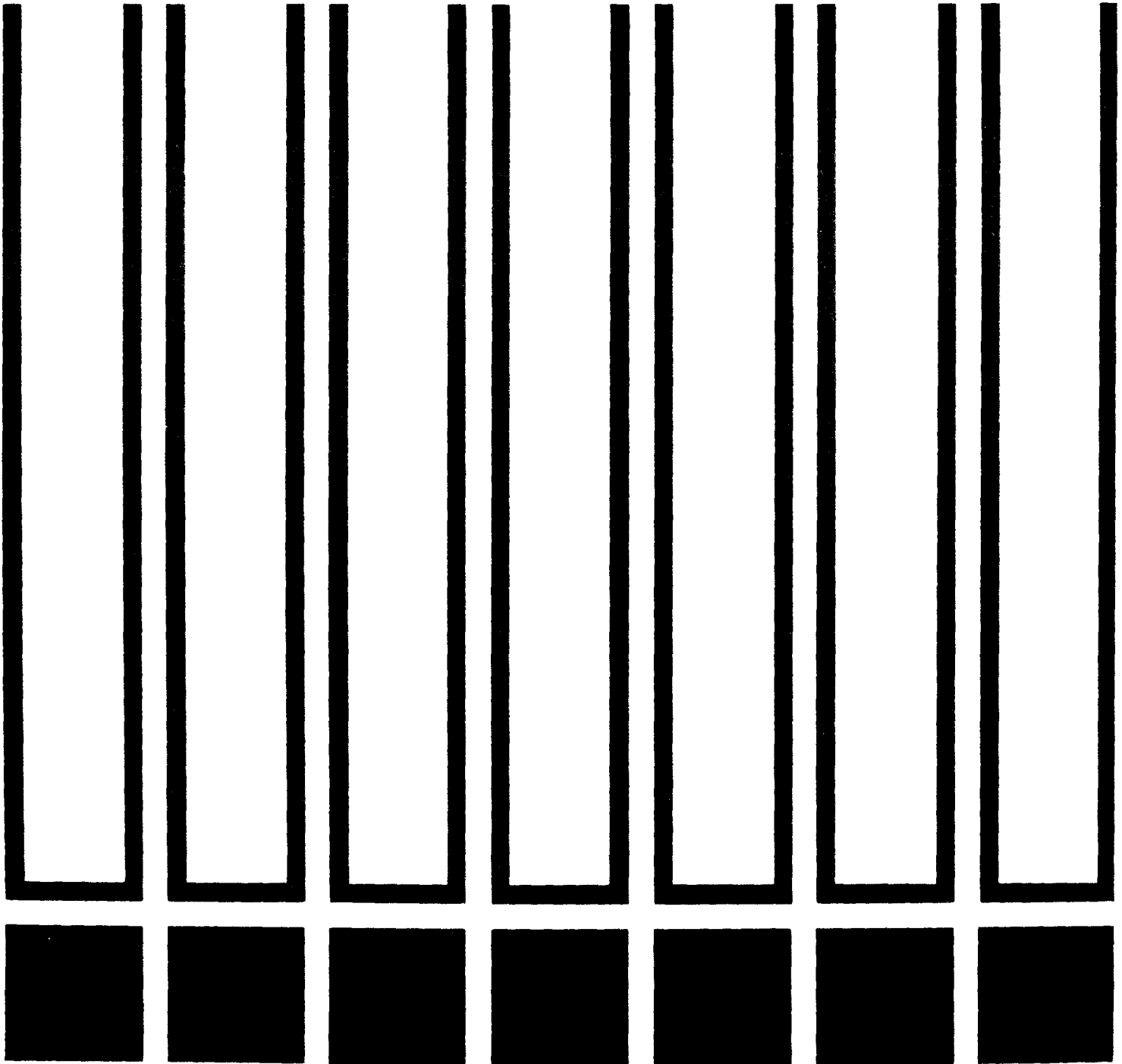


NIOSH

criteria for a recommended standard
occupational exposure to

CHROMIUM (VI)



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service Center for Disease Control
National Institute for Occupational Safety and Health

criteria for a recommended standard

**OCCUPATIONAL EXPOSURE
TO
CHROMIUM (VI)**



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Public Health Service

Center for Disease Control

National Institute for Occupational Safety and Health

1975

HEW Publication No. (NIOSH) 76-129

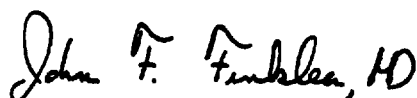
PREFACE

The Occupational Safety and Health Act of 1970 emphasizes the need for standards to protect the health and safety of workers exposed to an ever-increasing number of potential hazards at their workplace. The National Institute for Occupational Safety and Health has projected a formal system of research, with priorities determined on the basis of specified indices, to provide relevant data from which valid criteria for effective standards can be derived. Recommended standards for occupational exposure, which are the result of this work, are based on the health effects of exposure. The Secretary of Labor will weigh these recommendations along with other considerations such as feasibility and means of implementation in developing regulatory standards.

It is intended to present successive reports as research and epidemiologic studies are completed and sampling and analytical methods are developed. Criteria and standards will be reviewed periodically to ensure continuing protection of the worker.

I am pleased to acknowledge the contributions to this report on chromium(VI), ie, hexavalent chromium, by members of my staff, the valuable and constructive comments presented by the Review Consultants on Chromium(VI), by the ad hoc committee of the American Academy of Occupational Medicine, by Robert B. O'Connor, M.D., NIOSH consultant in occupational medicine, and by Edwin C. Hyatt on respiratory protection.

The NIOSH recommendations for standards are not necessarily a consensus of all consultants and professional societies that reviewed this criteria document on chromium(VI). Lists of the NIOSH Review Committee members and of the Review Consultants appear on the following pages.

A handwritten signature in cursive script that reads "John F. Finklea, MD". The signature is written in black ink and is positioned above the printed name.

John F. Finklea, M.D.
Director, National Institute
for Occupational Safety and Health

The Office of Research and Standards Development, National Institute for Occupational Safety and Health, had primary responsibility for development of the criteria and recommended standard for chromium(VI). The University of Michigan developed the basic information for consideration by NIOSH staff and consultants under contract No. HSM-99-73-31. Jack E. McCracken, Ph.D., had NIOSH program responsibility and served as criteria manager.

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CRITERIA DOCUMENT: RECOMMENDATIONS FOR AN
OCCUPATIONAL EXPOSURE STANDARD FOR
CHROMIUM(VI)

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