

Industrial User Inspection and Sampling Manual for POTWs, USEPA, Office of Wastewater Enforcement and Compliance, Water Enforcement Division, Government Institutes, Inc., Rockwell, MD, 1994, \$75.00, 280 pp. (approx.), ISBN: 0-86587-415-8

This manual has been written by personnel in the Office of Wastewater Enforcement and Compliance, U.S. Environmental Protection Agency and has been peer reviewed both within and outside the Agency. The guidance represents the USEPA's recommended procedures to be used when its personnel conduct an inspection or sampling visit to an industrial user.

The goals of the General Pretreatment Regulations are to:

(1) prevent the introduction of pollutants into POTWs which will interfere with the operation of the plant, including interference with the desired use or disposal of its municipal sludge;

(2) prevent the introduction of pollutants into the POTW which will pass through the treatment works to receiving streams;

(3) improve opportunities to reclaim and recycle municipal and industrial wastewaters and sludges; and

(4) reduce the health and environmental risk of pollution caused by the discharge of toxic pollutants to POTWs."

To ensure that industrial users are complying with the POTW regulations, an inspection and sampling program is necessary. This manual describes that process in detail.

From the Introduction:

"Chapter Two of the manual presents a chronological outline for conducting an inspection at an industrial user, beginning with the pre-inspection activities, such as the preparation and entry considerations; and then covers the on-site activities of the inspector, including: pre-inspection observations, the opening conference or initial meeting at the facility, the records review process, observations and illustrations, and the closing conference or exit interview conducted by the inspector. Finally, follow up activities by the POTW (e.g., inspection report writing and enforcement actions) are discussed. Chapter Three of the manual presents a detailed framework for conducting sampling at the industrial user. This chapter covers: the objectives of sampling, pre-sampling considerations (e.g., a sampling plan), special sampling requirements (e.g., cyanide sampling at Electroplating facilities), analytical methods, use of automatic sampling devices, flow measurement, and quality assurance/quality control considerations."

In addition to the three above noted chapters, the book has 12 Appendices, starting with a list of general industrial inspection questions and ending with several tables from 40 CFR Part 136.

Given that industries that discharge to POTWs must be inspected and monitored by local authorities, it seems prudent that the environmental personnel in those plants

be aware of the inspector's needs, role and goals. This book clearly outlines these points.

GARY F. BENNETT

Dumping in Dixie, by R.D. Bullard, Pub. by Westview Press, 5500 Central Ave., Boulder, CO 80301, 165 pp. (inc. References and Index, 1990; Second Ed., 1994, hard cover \$58.00; paperback, \$21.50), ISBN 0-8133-7964-7. Westview Press is now a part of Harper Collins, New York City.

Most studies of environmental concerns arise from the toxicity and ecological effects; this book is directed to the effects of releases on social justice, race, class, and politics. The issues center on equity, fairness, and the struggle for social justice by Africo-Americans and other nationalities. The author, a sociologist at a Houston, TX university, studied the local landfills and dumpsites, and their relation to humans living nearby. Chapter I explores the barriers to environmental and social justice by non-white Americans in the U.S. and reflects the growing militancy among such residents. An overview of the sociological and ecological changes that have taken place in the southern region is presented in Chapter II. Chapter III includes detailed community profiles and background data on the environmental disputes investigated, the response, and a description of dispute resolution mechanisms. The results of the household surveys are discussed in Chapter IV. Chapter V looks ahead, and outlines the strategies for the 1990s, based on lessons learned, grassroots mobilization, and politics.

The unusual approach of this book is in reviewing the disputes and their resolution into focus, and assuming that non-whites occupy a significant place in certain areas, and noting that their feelings are often overlooked or overridden.

Since the minorities deserve the same consideration as native Americans, the book is recommended for the human/toxicity/response review. It is a book well worth considering.

H.H. FAWCETT

Effects of A-Bomb Radiation on the Human Body, English Edition. Edited by I. Shigematsu et al., Translated by B. Harrison, Harwood Academic Publishers, Australia, UK and the US. Copyright 1995 by Bunkodo Co., Ltd., Tokyo 113 Japan, British Library Cataloging ISBN 3-7186-5418-0, 419 pp., \$50.00. American Distributor is Gordon & Breach, Newark, NJ.

To most people who do not read Japanese, the effects of the bombs dropped on Hiroshima (the Little Boy) using uranium-235 and the second using plutonium-239 (released over Nagasaki) resulted in 114 000 and about 70 000 deaths respectively. The