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Book Reviews

Noyes Data Corporation, Park Ridge, NJ., has recently published several text relevant to chemicals and their hazards. These book include:

1. *Protective Barriers for Containment of Toxic Materials*, by Fung, R. (Ed.), 1980, 288 pages, $39.

This book provides information for the engineer on physical methods for the containment of toxic wastes in land impoundments. Proper storage and handling via the use of liners, covers or fixation techniques, offer an excellent means for controlling the escape of toxic materials and provides an aspect of compliance with RCRA standards.

Descriptive information is included on man-made and natural barrier materials, types of wastes to be contained and testing procedures employed. Solidification of wastes as a form of stabilization is also explored. The major basis of each chapter is one or more reports prepared for the US EPA.

2. *Priority Toxic Pollutants — Health Effects and Allowable Limits*, by Sittig, M. (Ed.), 1980, 370 pages, $54.

This book is a practical manual for it deals with the US EPA designated 65 catergory priority toxic pollutants (actually 129 individual chemicals resulting from EPA's consent degree with NRDC). For each one of the chemicals the following information is given: occurrence, physical and chemical properties, uses, toxic effects, current levels of exposure, special groups at risk, existing guidelines and standards, summary of proposed criteria, bases for human health criteria and pertinent references.

3. *Health Hazards and Pollution Control in Synthetic Liquid Fuel Conversion*, by Nowacki, P. (Ed.), 1980, 511 pages, $54.

Compiled from US Government Reports (EPA, ERDA and DOE), the editor reviews the environmental, health and pollution control aspects of synthetic liquid fuel conversion processes for coal, oil shale and tar sands, based on projects in pilot scale or early commercial stages.

4. *Pesticide Manufacturing and Toxic Materials Control Encyclopedia*, by Sittig, M. (Ed.), 1980, 810 pages, $96.

Sittig, using the patent literature and US Environmental Protection Agency reports, has assembled a large amount of information on 514 different pesticides. Information given for each chemical, generally includes: function; chemical name; formula; trade names; manufacturing process; process wastes