

“fill in blank charts” to assist the engineer in performing the risk insurance analysis program.

The second (and earlier) book by Stull is a more fundamental study of the theoretical and practical basis of chemical fire and explosion technology.

Stull has presented a comprehensive and well-written booklet that deals with the fundamental thermodynamics and kinetics of uncontrolled chemical reactions. To this reviewer, the material appears to be the result of a course (and if it is not, it would make a good one) as the material has a flow that comes from an integrated lecture series.

There are numerous figures, equations, diagrams and plots used by Stull to illustrate important points. This they do well, and their quantity and quality adds much to the book. The only negative aspect is that some of the figures are handwritten and some typewritten; for the sake of uniformity, it would have been better to have all the same.

Major chapters of the book include: thermochemistry, kinetic chemistry, ignition, flames, dust explosions, thermal explosions, gas phase detonations, condensed phase detonations, evaluating reactivity hazard potential, blast effects, fragments and craters and protection against explosion.

GARY F. BENNETT

*Oil Spill Cleanup and Protection Techniques for Shoreline and Marshland*,  
by A. Breuel, Noyes Data Corporation, Park Ridge, New Jersey, 1981, 404  
pp. \$42.

The United States Federal Government is the world's largest publisher, but much of their material, the results of contractor reports for the United States Environmental Protection Agency, goes unused because it is not well advertised. Noyes Data Corporation has consistently scrutinized the governmental literature, constantly combining and reprinting reports and putting books on the regular library shelves, which seem to be more accessible than the government documents section of most libraries.

This book is one such collection of these reports to the U.S. EPA Research Development Office for Oil and Hazardous Spills in Edison, New Jersey.

- (1) C. Foget, E. Schrier, M. Cramer and R. Castle  
“Manual of Practice for Protection and Cleanup of Shorelines”  
Volume 1. Decision Guide — EPA 600/7-79 - 187a  
Volume 2. Implementation Guide — EPA 600/7-79 - 187b
- (2) D.J. Maiero, R.W. Castle and O.L. Crain  
“Protection, Cleanup and Restoration of Salt Marshes Endangered by Oil Spills — A Procedure Manual” — EPA 600/7-78-220
- (3) J.D. Byroade, A.M. Twedell and J.P. LeBoff  
“Handbook for Oil Spill Protection and Cleanup Priorities”

U.S. EPA Contract No. 68-03-2648, Jan. 1981.

Topics treated in the book include: (1) spill characteristics and movement; (2) shoreline characteristics; (3) protection of shorelines; (4) cleanup of shorelines; (5) inland waters; (6) marsh classification; (7) marsh protection, marsh cleanup and marsh restoration; (9) waste handling and (10) oil spill cleanup costs.

As usual with Noyes' books, an extensive Table of Contents is used to replace the index. Those who do not have access to the original reports on which it is based may like to have this book.

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