

In Situ Bioreclamation: Applications and Investigations for Hydrocarbon and Contaminated Site Remediation, edited by R.E. Hincbee and R.T. Olfenbuttel, Butterworth-Heinemann, Stoneham, MA, 1991, ISBN 0-7506-9301-0, 623 pp. (includes following book), \$150.00.

This book is one of two volumes (the other is *On-Site Bioreclamation: Processes for Xenobiotic and Hydrocarbon Treatment*) that resulted from an international symposium held in San Diego, California, in March 1991.

The contributions are found in two different formats: articles and technical contributions. Articles (23 in number) represent (according to the editors) a substantial technical contribution; technical notes (22 in number) are brief technology descriptions or reports of preliminary or less substantial studies. All papers were peer reviewed.

Obviously such a conference covers, by design, a technological wide area. Some of the topics reported include:

- European bioreclamation practices
- Fuel-contaminated soils bioremediation
- Oxygen delivery; hydrogen peroxide sources
- BTEX biodegradation
- Bioventing
- Soil vapor extraction
- Coke oven plant site bioremediation
- Modeling bioremediation
- Metal polluted soils decontamination

The papers range from basic research to engineering design and they cover a wide variety of contaminants (benzene, toluene, ethylbenzene, hydrocarbons, metals, fossil fuel, PAHs, oil, aromatic hydrocarbons and jet fuel): Not neglected is theory, especially numerical modeling.

Unlike most conference proceedings, this book is typeset and contains an extensive index.

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On-Site Bioreclamation: Processes for Xenobiotic and Hydrocarbon Treatment, edited by R.E. Hincbee and R.T. Olfenbuttel, Butterworth-Heinemann, Stoneham, MA, ISBN 0-7506-9302-9, 1991, 539 pp. (includes above book), \$150.00.

This second volume of conference proceedings contains 22 articles and 13 technical notes also covering a wide range of topics as illustrated below.