



UNITED STATES
NUCLEAR WASTE TECHNICAL REVIEW BOARD

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For Immediate Release

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External Affairs

**President Bush Appoints Dr. Donald Langmuir to Second Term
on Nuclear Waste Technical Review Board**

Dr. Donald Langmuir was appointed to a second four-year term on the Nuclear Waste Technical Review Board on June 23, 1992. Dr. Langmuir, who currently is on sabbatical leave from his position as professor at the Colorado School of Mines, was originally appointed to the Board by President Reagan in 1989. As a member of the Board, he will continue his involvement in the evaluation of the technical and scientific validity of activities undertaken by the Department of Energy (DOE) in its program to design and implement a system to manage the disposal of the nation's commercial spent fuel and defense high-level waste.

Dr. Langmuir is a geochemist with more than 25 years' teaching experience at Rutgers University, Pennsylvania State University, the University of Nevada, the University of Sydney in Australia, and the Colorado School of Mines. He also has worked in the Water Resources Division of the U.S. Geological Survey.

During the past ten years, Dr. Langmuir has served on or chaired almost a dozen expert panels on various research programs sponsored by the DOE, the Nuclear Regulatory Commission, the Environmental Protection Agency, and the Lawrence Berkeley Laboratory. His research interests include uranium, thorium, and radium geochemistry; ground-water prospecting for and in-situ leaching of ore deposits; mechanisms and modeling of metal and ligand sorption and solution-mineral equilibria in the saturated and unsaturated zones; thermodynamic and kinetic properties of water-rock systems; acid-rain weathering of building materials; and ground-water pollution.

Dr. Langmuir holds membership in nearly a dozen professional societies and has served in leadership roles on many committees related to hydrology and geochemistry. He is a fellow of the Mineralogical Society of America and the American Association for the Advancement of Science. He also has been associate editor of *Geochimica et Cosmochimica Acta*, the journal of the Geochemical Society, and served on the editorial board of *Interface*, the journal of the Society of Environmental Geochemistry and Health.

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During the past 25 years, Dr. Langmuir has published more than 130 professional papers and abstracts and has been awarded 23 research grants and contracts. He has consulted for clients in 16 states, as well as in Australia, Canada, France, and Sweden.

Dr. Langmuir is a cum laude graduate of Harvard University (1956), where he received an A.B. in geological sciences. After serving as a U.S. naval officer, he earned his M.A. (1961) and his Ph.D. (1965) in geology from Harvard University.
