
LONGENECKER and ASSOCIATES

Michael C. Kavanaugh

EXPERIENCE SUMMARY

Dr. Kavanaugh is Vice President and the Global Science and Technology Leader of Malcolm Pirnie, Inc, a 1,800 person U.S. based private consulting firm specializing in environmental science and engineering. He is a chemical and environmental engineer with over 35 years of consulting experience, providing a broad range of consulting services to private and public sector clients.

His areas of expertise include hazardous waste management, site remediation with particular focus on groundwater remediation, risk and decision analysis, fate and transport of contaminants in the environment, water quality, water treatment, potable and non-potable water reuse, industrial and municipal wastewater treatment, strategic environmental management, and technology evaluations including patent reviews on environmental technologies.

Dr. Kavanaugh also has extensive litigation experience, both as a testifying expert and a fact witness on engineering and hydrogeologic issues related to hazardous waste sites as well as on other issues related to his areas of expertise. He also has broad experience with alternative dispute resolution for settling environmental disputes and has participated on several mediation and arbitration panels as a neutral technical expert as well as being a sole mediator/arbitrator in several cases.

Dr. Kavanaugh has been project engineer, project manager, principal-in-charge, technical director or technical reviewer on over 200 projects covering a broad range of environmental problems. He has also served on more than ten peer review panels at DoD sites, at uranium tailing sites and at several DOE facilities including Hanford, LLNL, and INEL. He has authored or co-authored approximately 35 peer reviewed technical publications, edited and contributed to three books on water quality, water treatment and groundwater cleanup, respectively, and has made over 150 presentations to technical audiences as well as public groups including testimony before congressional and state legislative committees. Dr. Kavanaugh is also currently lecturing on soil and groundwater remediation topics in the Princeton Hydrology and Remediation professional courses, offered twice a year in the U.S. to active professionals from throughout the world.

In addition to his consulting practice, Dr. Kavanaugh has also completed several invited assignments with the National Research Council. Between 1988 and 1991, Dr. Kavanaugh chaired the Water Science and Technology Board. He chaired the

Board on Radioactive Waste Management between 1996 and 2000. Between 1992 and 1994, he was the chair of the National Research Council (NRC) committee on alternatives for ground water cleanup. The report of the committee, released in October 1994, has been used extensively in the continuing technical and policy debates over ground water cleanup. From 1997 to 2001, Dr. Kavanaugh served on the Integration Project Expert Panel at the DOE Hanford Site, established by the Department of Energy to accelerate cleanup of soils and groundwater at Hanford. From 2000 to 2004, he was a member of the Science Advisory Board of the DOD's environmental research program, the Strategic Environmental Research and Development Program (SERDP). For his contributions to water quality and hazardous waste management, Dr. Kavanaugh was elected into the National Academy of Engineering in 1998.

Dr. Kavanaugh is a registered chemical engineer in California and Michigan, and a Board Certified Environmental Engineer (BCEE) by the American Academy of Environmental Engineers. He is also a consulting professor of Environmental Engineering at Stanford University. He has a Ph.D. in civil/environmental engineering from the University of California at Berkeley, and B.S. and M.S. degrees in chemical engineering from Stanford and UC Berkeley, respectively.