

John J. Fitzgerald

Curriculum Vitae

Professional Experience

Massachusetts Department of Environmental Protection (February 1980 to Present)

Since 1980, Mr. Fitzgerald has been employed as an environmental engineer in the agency's Northeast and Boston Offices. Since 1981, he has specialized in the investigation, assessment, and remediation of sites contaminated by oil and hazardous materials, becoming a Branch Chief in 1984, Deputy Regional Engineer in 1993, and Regional Engineer in 1999. He was also the Acting Director of Response and Remediation for the agency from 2002 to 2006.

During his tenure at DEP, Mr. Fitzgerald has been involved in the implementation or oversight of response actions at well over 1000 contaminated sites, primarily in the role of a technical advisor and/or decision-maker. Concurrent with this field role, he has also been involved in the development and/or review and approval of most of the technical policies and regulations developed by the agency in the area of waste site cleanup, and has participated in a number of state and national workgroups and committees developing technical standards and procedures.

Mr. Fitzgerald was instrumental in the development and implementation of the numerous technical and institutional innovations embodied in the 1993 Massachusetts Contingency Plan, which privatized much of the provisions related to the assessment and cleanup of contaminated properties in Massachusetts, and which has been cited as a national model. He is also a key member of an agency team that has developed a new toxicological and analytical approach to characterize petroleum contamination; an approach that has been adopted and/or is currently being used by a number of states, EPA Regional Offices, and Canadian provinces.

University of Massachusetts Lowell (September 1997 to Present)

Mr. Fitzgerald is an Adjunct Professor at the University of Massachusetts Lowell, where he teaches a graduate course in the Department of Civil and Environmental Engineering.

Harvard Institute for International Development (HIID), Harvard University (1998)

Under contract to HIID, Mr. Fitzgerald was the leader of an international team of scientists, engineers, and attorneys advising the government of Romania on the regulation and cleanup of sites contaminated by releases of petroleum and chemical products. As part of this effort, he proposed and authored an innovative national remedial framework incorporating risk-based decision-making and market incentives to optimize environmental restoration in a country with an economy in transition.

Advisory Boards/Guest Lecturer

Since 1994, Mr. Fitzgerald has been a Technical Advisor to the Massachusetts Board of Registration of Hazardous Waste Site Professionals, and has overseen and participated in the development, review and approval of all examination questions and challenges. He is also a member of the Advisory Board for the Department of Civil and Environmental Engineering at the University of Massachusetts Lowell, and a member of the Scientific Advisory Board for the annual Soil and Groundwater Contamination conference held at the University of Massachusetts Amherst. He has been a guest lecturer for Northeastern University, the Boston Bar Association, Massachusetts Continuing Legal Education, and the LSP Association.

Education

UNIVERSITY OF MASSACHUSETTS LOWELL - Lowell, Massachusetts
Master of Science in Civil Engineering, October 1987

UNIVERSITY OF MASSACHUSETTS LOWELL - Lowell, Massachusetts
Bachelor of Science in Civil Engineering, May 1979

Professional Registration

Registered Professional Engineer, Commonwealth of Massachusetts

Selected Publications

Fitzgerald, J.J., "Onsite Analytical Screening of Gasoline Contaminated Media Using a Jar Headspace Procedure", *Petroleum Contaminated Soils*, Lewis Publishers, Chelsea Michigan, 1989

"Policy for the Investigation, Assessment, and Remediation of Petroleum Releases", Massachusetts Department of Environmental Protection, Publication #WSC-401-91, 1991 (author)

"Massachusetts Contingency Plan", Massachusetts Department of Environmental Protection, 310 CMR 40.000, 1993 (co-author)

"Interim Final Petroleum Report: Development of Health-Based Alternative to the Total Petroleum Hydrocarbon (TPH) Parameter", Massachusetts Department of Environmental Protection, 1994 (co-author)

"Off-Gas Treatment of Point-Source Remedial Air Emissions", Massachusetts Department of Environmental Protection, Policy #WSC-94-150, 1994 (co-author)

Hutcheson, M.S., Pedersen, D., Anastas, N.D., Fitzgerald, J.J., and Silverman, D., "Beyond TPH: Health Based Evaluation of Petroleum Hydrocarbon Exposure", *Regulatory Toxicology and Pharmacology*, 24, 85-101 (1996)

"Method for the Determination of Volatile Petroleum Hydrocarbons (VPH)", Massachusetts Department of Environmental Protection, January, 1998 (lead author)

"Method for the Determination of Extractable Petroleum Hydrocarbons (EPH)", Massachusetts Department of Environmental Protection, January, 1998 (lead author)

"Method for the Determination of Air-Phase Petroleum Hydrocarbon (APH)", Massachusetts Department of Environmental Protection, February, 2000 (co-author)

"Construction of Buildings in Contaminated Areas", Massachusetts Department of Environmental Protection, Policy #WSC-00-425, January, 2000 (author)

"Characterizing Risks posed by Petroleum Contaminated Sites: Implementation of the MADEP VPH/EPH Approach", Massachusetts Department of Environmental Protection, October, 2002 (author)

Fitzpatrick, N.A., and Fitzgerald, J.J., "An Evaluation of Vapor Intrusion Into Buildings Through a Study of Field Data", *Soil & Sediment Contamination*, Volume 11, Issue 4, 2002.

"The Occurrence and Sources of Perchlorate in Massachusetts", Massachusetts Department of Environmental Protection, August, 2005 (author)

"Standard Operating Procedure for Indoor Air Contamination", Massachusetts Department of Environmental Protection, SOP BWSC-07-01, August, 2007 (author)