

HALIL I. AVCI

Manager, Radiological Health Risk Section
Manager, Environmental Health Risk Section
Environmental Science Division
Argonne National Laboratory

Education:

Ph.D. University of Wisconsin-Madison, Nuclear Engineering, 1978
M.S. University of Wisconsin-Madison, Nuclear Engineering, 1975
B.S. University of Wisconsin-Madison, Nuclear Engineering, 1973

Professional Experience:

1990–Present Environmental Systems Engineer
1993–Present Section Manager
Environmental Science Division
Argonne National Laboratory

As the Manager of the Radiological Health Risk Section and the Environmental Health Risk Section, supervises fifteen technical full time staff. As a technical staff member, directs or conducts projects related to environmental management of nuclear/industrial facilities and radioactive/hazardous materials. Recent major responsibilities include project leadership and management of the Depleted Uranium Hexafluoride Conversion Facility Environmental Impact Statements, technical direction of the Waste Management Programmatic EIS, and management of the Mixed Oxide Fuel Fabrication Facility EIS. A member of the Nine Mile Point, Palisades, Vermont Yankee, and Susquehanna License Renewal Supplemental EIS teams and the team working on the Update of the Generic Environmental Impact Statement for License Renewal of Nuclear Plants. Manager of Argonne's Technical Assistance Program for environmental review of applications for license renewal and new reactors. Project Team Lead for environmental review of the Nine Mile Point 3 Combined License Application. Technical support to programmatic EISs on renewable energy development offshore on the Outer Continental Shelf and solar energy development in Southwest United States.

Summary of Previous Experience:

1985–1989 Battelle Memorial Institute
Office of Waste Technology Development
Willowbrook, Illinois

Principal investigator for the analysis of the postclosure performance of geologic repositories for the disposal of spent nuclear fuel and high-level waste. The project was conducted for the DOE's Repository Technology Program Office in Chicago.

1982–1985 Battelle Memorial Institute
 and Battelle Columbus Laboratories
1978–1980 Columbus, Ohio

As a research scientist, was the principal investigator and technical analyst for many activities related to assessment of the consequences of nuclear reactor accidents. Most of the projects were conducted for the Nuclear Regulatory Commission.

1980–1982 Nuclear Engineering Department
 Bogazici University
 Istanbul, Turkey

As an assistant professor, taught graduate and undergraduate courses in nuclear engineering and mathematics. Conducted research on industrial applications of radioisotopes. Supervised one master's thesis and took part in several master's thesis review committees.

1974–1978 Nuclear Engineering Department
 University of Wisconsin
 Madison, Wisconsin

As a research assistant, participated in the conceptual design of several large fusion reactors. Was actively involved in the blanket design and the materials and radiation damage aspects of these reactors. Doctoral thesis topic was related to the radiation damage problems in fusion reactor first structural walls.

Research Interests:

Environmental transport, human health effects, environmental compliance strategies
Safety analysis, and sustainable development

Professional Activities:

Member, American Nuclear Society
Member, Health Physics Society

Other:

Lecturer, Northwestern University, School of Continuing Studies, 2003 - Present
(Courses taught: Analyzing Environmental Issues, Hazardous Waste Management,
Environmental Impact Evaluation, and Energy and the Environment)

Publications:

Author and coauthor of more than 40 journal, report, and conference publications and presentations.