

James T. (Tom) Voss, NRRPT, CHP
Fellow of the Health Physics Society
President-Elect of the Power Reactor Section of the HPS
Member of the American Nuclear Society
Current DOE "Q" Clearance
Previous "Top Secret" DOD Clearance
Previous AEC and NRC Security Clearances

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Los Alamos, NM 87544

Education:

Fresno College, Fresno, California - 1963 – 1965

Brigham Young University - 1965 – 1967

University of Utah - 1965 – 1967

Chemical Engineering studies

Career Experience:

US Army Chemical Corps (CBR – Chemical, Biological, Radiological Division) –
Chemical Engineer, MOS 01G20 - 1965 – 1967

Southern California Edison Company – Chemistry and Radiation Protection Specialist –
1967 – 1982

Consultant to commercial nuclear power plants – Chemistry and Environmental
Specialist, Technical Procedure Writer, Lead Startup Engineer - 1982 – 1989

Initial Startup of Diablo Canyon Nuclear Generating Station (PWR) 1982 -1985

Initial Startup of Clinton Power Station (BWR) 1985 – 1986

Reactor Refueling of Farley Nuclear Plant (PWR) 1986 – 1987

Pre-Startup of Seabrook Station (PWR) 1987 – 1988

Operations at Rancho Seco Nuclear Generating Plant (PWR) 1988 - 1989

Westinghouse Corporation at Waste Isolation Pilot Project – Senior Health Physics
Specialist - 1989 – 1993

Los Alamos National Laboratory – Radiation Protection Specialist – 1993 – 1998

Los Alamos National Laboratory – Certified Health Physicist – 1998 to present

Consultant to Radiological Services Providers 2006 to present

Career Achievements:

Named a "Fellow" of the Health Physics Society in 2006

Certified as a Health Physicist by the ABHP in 1998

Author of "Los Alamos Radiation Monitoring Notebook," LA-UR-00-2584

Participated in the training of several hundreds of people in all aspects of radiation
protection and measurement

Author of a few hundred technical reports and procedures

Registered as a Radiation Protection Technologist by the NRRPT in 1992

Technical Abilities:

Radiological Assessment
Procedure and Training Developer
Radiation Instrumentation Developer/Evaluator
Startup Engineer
Technical Trainer
Technical Writer

Professional Activities:

Member of HPS, ANS, and NRRPT (Health Physics Society, American Nuclear Society, National Registry of Radiation Protection Technologists)
Member of writing committees for ANSI, Department of Homeland Security, and IEC
Chair of the Health Physics Society Laboratory Accreditation Assessment Committee
Member of Health Physics Instrument Committee (HPIC) and Air Monitoring Users Group (AMUG)
Certified Health Physicist with Los Alamos National Laboratory
Webmaster for the DOE Air Monitoring Users' Group and Health Physics Instrument Committee websites

Publications:

LA-UR-97-1345 "Comparison of Continuous Air Monitor Utilization: A Case Study" with J. C. Rodgers and J. J. Whicker
LA-UR-99-6750 "Los Alamos Radiation Monitoring Notebook"
LA-UR-00-2311 "Placement of Continuous Air Monitors in PF-4 Plutonium Laboratories: Consensus Findings and Recommendations" with J. J. Whicker, et. al.
LA-UR-00-2584 "Los Alamos Radiation Monitoring Notebook" updated February 2001
LA-UR-00-4236 "A Method for Radon and Thoron Discrimination," 2000
LA-UR-01-1001 "Automated Survey Method for Upstream Segregation of Transuranic Waste" with R. Marshall and Amy Wong, 2001
LA-UR-01-1511 "A Novel Design for a Portable Continuous Air Monitor," 2001
LA-UR-02-1670 "Future Directions in Air Monitoring at Los Alamos National Laboratory," 2002
LA-UR-02-7145 "A New Design for Portable Radiation Survey Instrumentation," 2002

Participation on ANSI Standards writing committees

ANSI N13.56, "Sampling and Monitoring Releases of Airborne Radioactivity in the Workplace of Nuclear Facilities," Chairperson J. J. Whicker
ANSI N323C, "Radiation Protection Instrumentation Test and Calibration – Air Monitoring Instruments," Co-chairs M. Hoover and M. Johnson
ANSI N317 (revision), "Performance Criteria for Instrumentation Used for In-Plant Plutonium Monitoring," Chairperson C. Olson
ANSI N42.33, "Portable Radiation Detection Instrumentation for Homeland Security," Chairperson M. Cox
ANSI N13.38, "Selection and Use of Portable Neutron Radiation Protection Instrumentation for Dose Equivalent Determination," Chairperson J. T. Voss

Participation on IEC Standards writing committees

Technical Committee No. 45: Nuclear Instrumentation
Sub-Committee 45A: Environmental Radiation Protection Instrumentation
Sub-Committee 45B: Radiation Protection Instrumentation

“Installed Radiation Monitors for the Detection of Radioactive and Special Nuclear Materials at National Borders”

“Dose Rate Measurement Devices”

“Radiation Protection Instrumentation – Portable Photon Contamination Meters and Monitors”

Revision of “Equipment for Monitoring of Alpha, Beta or Gamma-Emitting Radionuclides in Liquid Effluents and Surface Water”

“Airborne Instrumentation for Measurement of Terrestrial Gamma Radiation”

“Radon and Radon Decay Product Measuring Instruments”

“Instrument and Control System (I&C) of Interim Storage and Final Repository of Nuclear Fuel and Waste”

Personal life:

Married to Sandra Loa Hays since December 5, 1975

We have 2 daughters, Susan Jennifer and Sarah Anne, both now married. Susan graduated from New Mexico Tech in 2002 and now works for Occurrence Investigation at Los Alamos National Laboratory. Sarah is our younger daughter and lives in Seattle with her husband.