

Appendix A:

RESET OF U.S. NUCLEAR WASTE MANAGEMENT STEERING COMMITTEE MEMBERS*



Professor **Sally M. Benson** is a Professor of Energy Resources Engineering at Stanford University and the director of Stanford's Precourt Institute for Energy and the Global Climate and Energy Project (GCEP), a pioneering university-industry partnership to develop innovative, low-carbon energy supplies to meet global energy needs. Prior to coming to Stanford, Professor Benson was at Lawrence Berkeley National Laboratory, a U.S. Department of Energy National Laboratory.



Professor **Rod Ewing** is in the Department of Geological Sciences at Stanford University and the Frank Stanton Professor in Nuclear Security at the Center for International Security and Cooperation. Professor Ewing's research focuses on the back-end of the nuclear fuel cycle, mainly nuclear materials and the geochemistry of radionuclides with application to permanent geologic disposal.



Dr. **Peter Davies** is the Director of Sandia's Nuclear Energy and Fuel Cycle Programs (retired in 2017) and responsible for programs and capabilities that include nuclear engineering, nuclear safety and risk analysis, nuclear material transportation and storage, and repository science and engineering. Stepped down from the Steering Committee in May, 2017.

*Steering Committee members represent their own views and expertise not the positions or policies of their organization or employer.



Ms. **Saida Laârouchi Engström** is the Senior Adviser on Vattenfall's Strategy on power production and nuclear waste management. She has a background in chemical engineering and started her career in the Swedish Nuclear Inspectorate as a safety inspector of nuclear installations in Sweden. After 11 years, she joined SKB, first as a leader for feasibility studies to select a site for a final repository for spent fuel in Sweden. Under the site investigation project, Ms. Laârouchi Engström was in charge of the environmental assessment studies and licensing. Ms. Laârouchi Engström has been instrumental in establishing a trustworthy dialogue between SKB and all the stakeholders in Swedish society including the government.



Professor **Bernd Grambow**, Ecole des Mines de Nantes, holds the Chair on nuclear waste disposal and is head of the Subatech Laboratory. Professor Grambow is the former director of the national CNRS-academic/industrial research network NEEDS (nuclear: environment, energy, waste, society). His areas of scientific expertise are radiochemistry, nuclear waste disposal science, geochemical modeling, radionuclide migration in the environment, chemical thermodynamics, and dynamics of solid-liquid interfaces.



Dr. **John Kessler** was with the High-Level Waste and Spent Fuel Management Program at the Electric Power Research Institute (EPRI) from 1993 to June 2015. His experience includes the Yucca Mountain total system performance assessment using probabilistic methods, colloid-aided contaminant migration, LLW and spent fuel storage system design, waste solidification R&D, and aging management for used fuel storage systems. John led EPRI's effort to develop a probabilistic approach to understanding the overall impact of disposing of spent fuel in the candidate repository at Yucca Mountain. In June 2015 John formed his own consulting company with work in the general area of spent fuel and HLW management.



Dr. **Allison M. Macfarlane** is Professor of Science and Technology Policy at George Washington University and Director of the Institute for International Science and Technology Policy at the Elliott School of International Affairs. She served as Chairman of the U.S. Nuclear Regulatory Commission from July, 2012 until December, 2014. She was the agency's 15th Chairman, its 3rd woman chair, and the only person with a background in geology to serve on the Commission. Dr. Macfarlane holds a PhD in geology from the Massachusetts Institute of Technology and a BSc degree in geology from the University of Rochester. From 2010 to 2012 she served on the Blue Ribbon Commission on America's Nuclear Future. In 2018, she held the Fulbright Distinguished Chair in Applied Public Policy at Flinders University and Carnegie Mellon University Adelaide, Australia.



Dr. **Daniel Metlay** recently retired as a member of the Senior Professional Staff of the U.S. Nuclear Waste Technical Review Board after a 24-year career. Prior to his work at the NWTRB, Dr. Metlay taught in the political science at Indiana University, Bloomington and the Massachusetts Institute of Technology. He worked as a Research Scientist at Brookhaven National Laboratory, investigating operational and organizational issues at nuclear power plants. Dr. Metlay served as a Task Force Director on the Secretary of Energy Advisory Board and has testified before Congress and state legislatures.



Dr. **Mark Peters** is the Director of Idaho National Laboratory. Prior to becoming Director at INL, Dr. Peters was Argonne's Associate Laboratory Director of the Energy and Global Security Directorate, which is responsible for Argonne's programs in energy research—including energy storage, renewable energy, energy efficiency and nuclear energy—and national security. Dr. Peters also serves as a senior advisor to the Department of Energy on nuclear energy technologies and research and development programs and nuclear waste policy. Stepped down from the Steering Committee in January, 2017.



Christophe Poinssot is, as of August 2018, the Nuclear Counselor at the French Embassy in Beijing representing the French government in China for the whole civilian nuclear domain and supporting the industrial and scientific French nuclear partnerships within China. Previously, he was Head of the Research Department on Mining and Fuel Recycling Processes at the Nuclear Energy Division, French Atomic and Alternatives Energy Commission (CEA) where his department was tasked with developing spent nuclear fuel recycling processes and operating the Atalante facility. Since 2011, Poinssot has been a Professor of Nuclear Chemistry at the National Institute of Nuclear Science and Technology (INSTN). In 2017, he was awarded Officer from the French order “Palme Académiques” and received the Van Geen Prize and Chair from SCK-CEN.



Dr. **Chris Whipple** is now retired but was formerly a Principal at ENVIRON. He has over 40 years of environmental engineering experience in the management of human health and environmental risk. Dr. Whipple has served on and chaired numerous national committees studying and advising on radioactive waste management, including committees of the National Academy of Sciences, USEPA and the National Council on Radiation Protection and Measurement. He currently serves as co-chair of the National Academy of Sciences (NAS) Report Review Committee.



Kathryn Shaver is former Vice President of Site Selection and Engagement for the Nuclear Waste Management Organization in Canada. She oversaw the site selection process for Canada’s deep geological repository for used nuclear fuel. Ms. Shaver joined the NWMO upon its establishment in 2002 as Executive Director. She supported the three-year national dialogue and study of alternative management approaches and the development of the Adaptive Phased Management program subsequently approved by the Government of Canada in 2007. Ms. Shaver has an M.A (Economics) from Queen’s University in Kingston, Canada. Ms. Shaver retired from the NWMO in 2016 and is presently an independent consultant.