

Todd Lapointe

Technical Safety Manager, National Nuclear Security Administration

Mr. Todd Lapointe is a seasoned leader, manager, career federal employee and U.S. Navy veteran currently serving as technical safety manager and engineer in the U.S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) providing nuclear safety leadership, technical review and analysis, program assessment, issues management, and field management support across the NNSA complex.

Previous roles within DOE have included serving as the Chief of Staff for the Department of Energy's Under Secretary for Management and Performance, Director of the DOE's Office of Science Office of Safety and Security Policy, Director of the Office of Environmental Management, Office of Safety Management and a member of the Department's Chief of Nuclear Safety Central Technical Authority Staff serving as the technical expert for operations management. In these positions, Mr. Lapointe was responsible for providing broad operations and policy leadership and managing worker safety and health, emergency management, radiological safety, contractor assurance system, environmental protection, quality assurance, and security leadership. In addition, Mr. Lapointe has served on numerous 'for cause' and operational readiness, safety and quality assurance reviews including serving as the nuclear safety team lead for the Waste Isolation Pilot Plant Accident Investigation Board on behalf of the Department charged with determining the causes and corrective actions related to the February, 2014 underground radiological release accident at the Waste Isolation Pilot Plant in Carlsbad, NM.

Selected achievements include:

- Recipient of the Secretary of Energy's Achievement Award as Board Member and nuclear safety team lead for the 2014 Waste Isolation Pilot Plant Underground Radiological and Chemical Release Accident Investigation;
- Recipient of the Vice-Presidential National Performance Review "Hammer" Award for the development of key performance and safety metrics supporting the Department of Energy's Office of Environment, Safety & Health;
- Commercial research and development manager for operations, quality assurance, business process analyses, and reengineering to some of the manufacturing industry's most respected leaders including SC Johnson, Wyeth Pharmaceuticals and Akzo-Nobel, among others; and
- Recognized leadership, competence and operations and management experience as a decorated U.S. Naval nuclear submarine officer.

Prior to joining the Department, Mr. Lapointe provided management and leadership in the commercial research and development software industry and served as an officer aboard submarines in the U.S Pacific Fleet.

Jason Armstrong

Enterprise Radiation Protection Manager

Acting, Deputy Assistant Manager for Programs and Projects

National Nuclear Security Administration Production Office (Y-12 and Pantex)

Mr. Jason Armstrong is a mission focused manager and leader with ~20 years' experience in Nuclear Safety, Nuclear Facility D&D, Nuclear Operations, Health Physics, and Quality. He has extensive experience executing DOE nuclear safety responsibilities, obligations, and activities at DOE Environmental Management (EM), Science (SC), and National Nuclear Security Administration (NNSA) locations. He has nuclear reactor and facility D&D, construction, and production experience at the Oak Ridge Reservation, Hanford Site, Brookhaven National Laboratory, Pacific NW National Laboratory, Y-12 National Security Complex, and the Pantex Plant. He has a strong background in transuranic waste management, open air nuclear facility demolition, Integrated Safety Management, safety culture, and Project/Program Management.

Experience highlights include:

- Reduced the radiological footprint and personnel contamination rate at the Y-12 National Security Complex. In 9-months, he reduced the radiologically contaminated footprint by 40,000 square feet, the personnel contamination rate by 70%, and over 100,000 square feet of high contamination space to low contamination space.
- Nuclear Facility D&D. At the Hanford site, demolished and placed into Interim Safe Storage four nuclear reactors, and transferred thousands of gallons of nuclear liquid waste from single shell tanks into double shell tanks. In addition, led federal teams in the deactivation and demolition of the gaseous diffusion plants (K-25, K-31, K-33) in Oak Ridge, TN.
- Transformed the Oak Ridge environmental cleanup mission and its attendant contractor relationships by envisioning, championing, and implementing a new strategy to conduct high risk nuclear D&D activities. In collaboration with the OREM Leadership Team, executed a Partnership Agreement that included a Nuclear Safety and Operations focus that promoted contractor collaboration to understand and operational mitigate risks.
- Appointed as an Accident Investigation Board Member to determine why an endothermic reaction and subsequent explosion of a waste drum occurred as the Waste Isolation Pilot Project (WIPP) that was packaged at the Los Alamos National Laboratory. He led a team of 16 scientists from geographically dispersed DOE National Laboratories to determine cause and related problems. Delivered a report to the DOE Secretary that identified steps in the waste packaging lifecycle to reduce the likelihood of recurrence and improving safety for workers, the environment, and the public.

Mr. Armstrong has a B.S. in Radiation Health Physics from Oregon State University and A.A. in Communications from Southern Oregon State College. He qualified as a Nuclear Executive Leader, Senior Technical Safety Manager, Facility Representative, and Radiation Protection Specialist. He is a Certified Health Physicist by the American Board of Health Physics.

Steven Feinberg

Federal Project Director Level III, Environmental Management Consolidated
Business Center - Separations Process Research Unit

Mr. Feinberg worked for Naval Reactors for seventeen years as a nuclear engineer in various assignments including safety, environmental programs, radioactive material transportation, hot cell operations, and nuclear core and fuel fabrication. In the last ten years with Naval Reactors, he was the Project Officer for nuclear plant overhaul and decommissioning. He assisted in the refueling and overhaul of two nuclear plants, and the green fielding of their Windsor Site reactor and site from the start of the decommissioning process through removal of the reactor and nearly all of the sites buildings.

In late 1999 he started with the DOE Environmental Management Oakland Operations office. He has been the project engineer, and later the certified Federal Project Director at SPRU since 2005 and had a short break from SPRU project in 2010 to be the Federal Project Director for the DOE EM programs at Brookhaven National Laboratory. He returned in 2011 to help recover the SPRU project from its work pause and continue the decommissioning effort.

Mr. Feinberg holds a Bachelor of Science in Chemical Engineering from the University of Massachusetts Amherst, and a Master's Degree in Business Administration from the Sage Colleges Albany, New York. He is also qualified as a Senior Technical Safety Manager, and a Project Management Professional by the Project Management Institute.

Dr. Kathryn Higley

Professor and Head of the School of Nuclear Science and Engineering in the College of Engineering at Oregon State University

Dr. Higley received both her Ph.D. and M.S. in Radiological Health Sciences from Colorado State University, and her B.A. in Chemistry from Reed College. She has held both Reactor Operator and Senior Reactor Operator's licenses, and is a former Reactor Supervisor for the Reed College TRIGA reactor. Dr. Higley started her career as a Radioecologist for Portland General Electric. She later worked for Pacific Northwest National Laboratory for ten years as a Senior Research Scientist in the area of environmental health physics. Dr. Higley has been at Oregon State University since 1994 teaching undergraduate and graduate classes on radioecology, dosimetry, radiation protection, radiochemistry, and radiation biology.

Her fields of interest include environmental transport and fate of radionuclides; radioecology; radiochemistry; radiation dose assessment; neutron activation analysis; nuclear emergency response; and environmental regulations. She is current Vice Chair of Committee 4 of (Implementation of the Commission's Recommendations) of the International Commission on Radiological Protection and past Chair of Committee 5 (Protection of the Environment); she is also a council member of the National Council on Radiation Protection and Measurements and serves on Council Committee 1 (radiation protection recommendations of the NCRP) and Committee 2 (where are the radiation professionals). She is a fellow of the Health Physics Society and a Certified Health Physicist. Dr. Higley and her students have done research in radiologically contaminated environments around the globe.

Dr. Steven L. Krahn, BCEE

Professor of the Practice of Nuclear Environmental Engineering, Vanderbilt University

Dr. Krahn is Professor of the Practice of Nuclear Environmental Engineering in the Department of Civil and Environmental Engineering at Vanderbilt University, where he teaches three courses in nuclear environmental engineering and performs research in the nuclear fuel cycle and risk assessment/management. Immediately prior to Vanderbilt, he served in DOE-EM as the Deputy Assistant Secretary for Safety & Security in the Office of Environmental Management where he provided senior technical leadership to DOE's nuclear waste processing/management, D&D, and environmental restoration program; he was awarded the DOE Career Distinguished Service Award in 2010.

Dr. Krahn brings more than 35 years of technical and project management experience in positions of increasing responsibility in government, private industry and the military. His technical highlights included: leadership of the safety program of the nuclear waste processing/management, D&D, and environmental restoration program at DOE; technical direction for a major DOE engineering program in nuclear waste processing, environmental restoration and D&D; technical leadership of a federal agency providing independent safety oversight to DOE's environmental restoration program/nuclear weapons complex; direction and management of a \$25M division in an engineering services company, which provided environment, safety and health and engineering consulting to the DOE complex; and leading the technical review of numerous technical and systems issues at nuclear fuel cycle and waste processing projects and facilities.

His project management highlights include: participation in the independent project management review of the D&D of the \$4B Rocky Flats Environmental Restoration Project; technical direction of the R&D program for a DOE program office focused on nuclear waste processing, D&D, and environmental restoration; leadership and management of the \$140 (FY 1986 dollars) million complex overhaul of a nuclear submarine and nuclear work package for two nuclear submarines; development of the D&D process for US nuclear submarine reactor plants; and direction of the design and construction of two major safety nuclear upgrades at DOE nuclear facilities.

In 2015, he was selected by the Secretary of Energy to serve on a congressionally-mandated review of the use of risk-informed decision-making in the DOE's management of nuclear cleanup projects nation-wide. He is a senior engineering and project management consultant to the nuclear industry. Dr. Krahn was selected to the American Academy of Environmental Engineers & Scientists in 2013, is a Board Certified Environmental Engineer in Hazardous Waste Management, and was elected to the Executive Committee of the Fuel Cycle and Waste Management Division (FCWMD) of the American Nuclear Society in 2015.

Chip Lagdon

Senior Project Director – Consulting Services, AECOM Nuclear & Environment
Technical Services, LLC

Mr. Lagdon joined AECOM in January 2016 after retiring from the Department of Energy in December 2015. Since joining AECOM, Mr. Lagdon has provided support to the Nevada Test Site, Idaho National Laboratory, Hanford Site, Savannah River Site and Los Alamos National Lab. Mr. Lagdon chairs the AECOM Corporate Nuclear Safety Functional Area Coordination Team and provides support for the AECOM corporate contractor assurance program. He has conducted ORRs at LANL and INL, led QA and Configuration Management reviews at NNSS, and is designated as the Contractor Team Leader for the Salt Waste Processing Facility. He has also completed the shielding and design reviews for the Radiation Sciences Laboratory addition at NIST, led a Root Cause Analysis review at WIPP and conducted corporate training on root cause analysis.

Previously, at the Department of Energy, Mr. Lagdon was appointed Chief of Nuclear Safety for Energy in January 2006, where he is responsible for nuclear safety of the Office of Environmental Management nuclear facilities until he retired. He also served as the Central Technical Authority for the Office of Environmental Management. Mr. Lagdon led periodic Construction Project Reviews for the Department on EM's major nuclear construction projects to evaluate management systems, technical issues and project performance. Prior to becoming the Chief of Nuclear Safety, he served as the Director for the Office of Quality Assurance Programs with responsibility for Department's Implementation Plan for DNFSB Recommendation 2002-1, Software Quality Assurance. He previously served as the Deputy Director for Special Projects and Investigations where he was responsible for the Operational Readiness Review program, Criticality Safety, Safety Concerns, and the Accident Investigation Program. Mr. Lagdon conducted several Accident Investigation Training courses as well as serving as Board Chairperson for Type A and Type B Accident Investigations. He was one of the original authors of the Operational Readiness Review Order and has been involved with many operational readiness reviews since joining DOE in 1992.

Mr. Lagdon graduated from the U. S. Merchant Marine Academy where he received a Bachelor of Science in Marine Engineering with a Nuclear Engineering minor. He holds a Master's Degree in Engineering Administration from George Washington University and completed the Senior Executive Fellows Program at Harvard University. Mr. Lagdon retired from the US Navy Reserve in 2012 after 30 years of service where he was an Engineering Duty Officer and holds the rank of Captain.

William E. Miller,

Deputy Director, Office of Environment, Safety and Health Assessments

William E. Miller is the Deputy Director of the Office of Environment, Safety and Health Assessments, within the U.S. Department of Energy's (DOE) Office of Enterprise Assessments (EA). Mr. Miller previously served as Director of EA's Office of Nuclear Safety and Environmental Assessments where he supervised a large group of Site Leads tasked with performing nuclear safety oversight across the DOE complex. He has led and participated in numerous complex-wide safety management evaluations and engineered safety functionality assessments that review nuclear safety systems with respect to design, configuration control, surveillance/testing, maintenance, and operations. He was assigned as a Board Chairman on one Type 'A' Accident Investigation and as a Board Member on two other Type 'A' Accident Investigations, and has participated as a team member or observer on DOE Operational Readiness Reviews at several different facilities. Mr. Miller spent 5 years in nuclear submarine engineering in the U.S. Navy and worked for 7 years in commercial nuclear power with the New York Power Authority, during which he obtained his Senior Reactor Operator's License from the Nuclear Regulatory Commission.

He holds a degree in mechanical engineering from Cornell University.

Matthew Moury

Associate Under Secretary for Environment, Health, Safety and Security

Mr. Moury is the Associate Under Secretary for Environment, Health, Safety and Security. The office provides corporate leadership and strategic approaches for protecting DOE's workers, the public, the environment and national security assets. This is accomplished through developing corporate policies and standards; sharing operating experience, lessons learned, and best practices; and providing assistance and supporting services as DOE's environment, health, safety and security advocate.

From June-October, 2017, Mr. Matthew Moury was the Acting Under Secretary for Management and Performance. In this role he is responsible for directing nine program offices with a total budget of \$7B in areas including environmental management, human capital, public and worker safety and health, security (including cyber) and capital project management oversight.

Prior to serving as Associate Under Secretary for Environment, Health, Safety and Security, Mr. Moury served as the Deputy Assistant Secretary for Safety, Security, and Quality Programs within the Office of Environmental Management.

Mr. Moury has 30 years of experience in the nuclear field, including almost 20 years at the Defense Nuclear Facility Safety Board (DNFSB). While at the DNFSB, Mr. Moury held numerous senior leadership positions and was the lead on a wide variety of safety-related areas such as: Integrated Safety Management, facility design and construction, DOE directives, facility startup activities, and quality assurance.

Mr. Moury began his career as a nuclear-trained submarine officer and retired at the rank of Captain in the Navy Reserves. He has a Master of Science degree in Reliability Engineering from the University of Maryland; a Master of Business Administration degree from the University of Maryland; and a Bachelor of Science degree in Ocean Engineering from the U.S. Naval Academy.

John Tappert, PE

Director, Division of Decommissioning, Uranium Recovery, and Waste Programs,
USNRC

Mr. Tappert joined the U.S. Nuclear Regulatory Commission (NRC) in 1991 as a Reactor Engineer in the Philadelphia Regional Office. He subsequently was the Resident Inspector at the Fitzpatrick Nuclear Power Plant before transferring to the Office of Nuclear Reactor Regulation (NRR) where he held progressively more responsible positions including supervisory roles in the Operational Experience and Plant Life Extension programs. He played a leadership role in the formation of the Office of New Reactors where he supported licensing and the development of the construction inspection program for the first new nuclear power plant build in the United States in a generation. He subsequently served as NRC Commissioner Ostendorff's Chief of Staff and has been in his current position as the Director of the Division of Decommissioning, Uranium Recovery, and Waste Programs in the Office of Nuclear Material Safety and Safeguards since January of 2016. Prior to joining the NRC, Mr. Tappert served in the U.S. Navy's nuclear power program. He received a Bachelor's degree in Aerospace and Ocean Engineering from Virginia Tech and a Master's degree in Environmental Engineering from Johns Hopkins University. He also holds a Professional Engineer's license.

Dr. Stephen Yarbro

Senior Research Engineer, National Security Education Center, Los Alamos National Lab

Dr. Yarbro has a Ph.D. in Chemical Engineering from New Mexico State University (1996) and is a licensed Professional Engineer in the state of New Mexico. Steve began his career as a process engineer in Tanks Farms and the 234-5Z Plutonium Facility at Hanford. After Hanford, he moved to Los Alamos National Laboratory to the TA-55 Plutonium facility. Steve has led a diverse set of technical projects and organizations. He has been the Group Leader of the Intelligence Analysis Group Leader, Division Leader of Plutonium Manufacturing Technology (PMT) and Nuclear Materials Technology (NMT) Divisions and the Actinide Process Chemistry Group (NMT-2) Leader at TA-55. He has participated in many different projects concerning non-proliferation, foreign weapons assessment, export policy development, operations in Hazard Category II nuclear facilities and the handling, processing and recovery of uranium and plutonium compounds and metal at Los Alamos, Rocky Flats and Hanford. Currently, he is a senior research engineer with the National Security Education Center (NSEC) and a senior advisor to the Seaborg Institute.