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STATE OF OHIO

Executive Department

OFFICE OF THE GOVERNOR

Columbus

I, Mike DeWine, Governor of the State of Ohio, do hereby appoint Robert J. Friedman, III, from Powell, Franklin County, Ohio, as a Member of the Radiation Advisory Council for a new term beginning December 22, 2023 and ending at the close of business September 6, 2028, replacing Robert J. Friedman III, whose term expired.



IN WITNESS WHEREOF, I have hereunto subscribed my name and caused the Great Seal of the State of Ohio to be affixed, at Columbus, this 22nd day of December in the year of our Lord, Two Thousand and Twenty Three.

A handwritten signature in black ink, reading "Mike DeWine", written over a horizontal line.

Mike DeWine
Governor

Robert Friedman, MS, CHP | Battelle

Battelle: June 2000 to Present – Current Position: Radiation Safety Program Manager/RSO

The Ohio State University: January 1996 - June 2000 – Graduate Fellow

U.S. Army: January 1992 – January 1996 – Nuclear Medical Science Officer (Health Physicist)

Years of Experience: 31

Years with Battelle: 23

Education and Training

M.S., Nuclear Engineering, The Ohio State University, 1998

M.S., Physics, Purdue University, 1991

B.S., Physics, Youngstown State University, 1990

Active Registrations

Certified Health Physicist, 2003 (American Board of Health Physics Diplomate # 5470)

Qualifications

Mr. Friedman is a Program Manager and Certified Health Physicist with over 30 years of experience in establishing and managing operations, compliance, safety, and quality programs for military facilities and activities, government laboratories, hospitals, and decontamination and decommissioning (D&D) activities associated with radiological materials. Mr. Friedman currently manages all radiation safety operations for Battelle Corporate Operations and serves as Corporate Radiation Safety Officer for Battelle's Ohio Department of Health radioactive materials license. He has directed numerous projects focused on technical leadership and support for health, safety, and quality-related regulatory matters, program implementation and compliance, and operations in support of programs for the Department of Energy and the Department of Defense. His radiological technical and support experience includes, but is not limited to, radiological licensing, nuclear and radiological safety analysis, radiation transport physics calculation and modeling, regulatory interpretation and program implementation, and a full spectrum of management, budgetary, and staffing responsibilities. Mr. Friedman is a former Quality Manager and certified Lead Auditor for nuclear and other high reliability organizations (HROs). He has developed, implemented, and managed numerous quality assurance and risk management programs for HROs, including serving as Site Quality Assurance Officer for a Transuranic (TRU) Waste Certification Program (WCP), and managing audit and auditor certification programs. Mr. Friedman has been appointed by Ohio Governors John Kasich and Mike DeWine to Ohio's Radiation Advisory Council, which he currently chairs.

Experience Highlights:

- As Battelle's Corporate Radiation Safety Officer, provides health physics consultation services and oversight of radiological operations worldwide.
- 28 years of experience in establishing, implementing, advising, overseeing, and completing radiological decommissioning projects under NUREG-1575/EPA 402-R-97-016 (MARSSIM) and NUREG/CR-5849, including Fort Ord, CA; Army Research Laboratory, Watertown, MA; Battelle Columbus Laboratories, OH; and many facilities at the Pacific Northwest National Laboratory, WA.
- Elected five times as Chairman of the Ohio Radiation Advisory Council (RAC). The RAC advises and consults with the Ohio Department of Health on the development of rules pertaining to protection from ionizing radiation, and the administration, implementation, and enforcement of these rules. The RAC also provides advice and council on the development of inspection criteria, procedures, and guidelines to be used in the radiation control program.

- Leads or performs population dose impact evaluations for radiological remediation criteria/objectives using the RESRAD family of codes. Develops atmospheric dispersion models for first responder community and public health emergency exercise scenarios involving RDDs and INDs.
- Member of the Executive Steering Committee for the U.S. Department of Homeland Security's Domestic Nuclear Detection Office (DNDO) implementation of a framework in the State of Ohio for the coordination of radiological/nuclear detection (RND).
- Leads or performs as a team member in evaluating high-risk radiological operations, such as formal DOE Operational Readiness Reviews (e.g., performed prior to loading/shipping transuranic waste, and D&D of two reactor facilities at Brookhaven National Laboratory), Battelle Columbus Laboratories Decommissioning Project Management Oversight Committee, and The Ohio State University Reactor Operations Committee.

Training/Certifications

Hazardous Waste Operations and Emergency Response (40 hour)

MCNP/MCNPX Intermediate Workshop: Focus on Homeland Security

Advanced Radiation Detection and Measurement

Applied Health Physics: 5-week course

General Theory of Gamma Spectroscopy

Modular Emergency Response Radiological Transportation Training (Train the Trainer)

Health Physics in Radiation Accidents: REAC/TS

Certified Human Performance Practitioner

Nuclear Quality Assurance (NQA) Auditor/Lead Auditor (inactive)

Relevant Program Experience

Battelle, Radiation Safety Management and Operations (September 2011–Present). As the Radiation Safety Manager for Battelle Corporate Operations, manages resources implementing radioactive materials license and radiation generating equipment registration requirements. Serves as Radiation Safety Officer for USNRC Agreement State License. Provides health physics consultation services and oversight to corporate radiological operations worldwide. Develops atmospheric dispersion models for first responder community and public health emergency exercise scenarios involving RDDs and INDs. Develops and performs training, to include radiation detection, instrumentation, and gamma spectroscopy for incident response to the National Guard Civil Support Teams (CSTs).

Battelle, Environment, Health, Safety, and Quality (June 2000–March 2012). As a Relationship Manager, spearheaded strategies to improve environmental, safety and quality performance for Battelle National Security Global Business (NSGB) and Energy, Environment, and Materials Sciences Global Business (EEMSGB). Coordinated the delivery of services to Line Managers and staff, to assist them in meeting their management's performance expectations. Provides expert advice and counsel to NSGB and EEMSGB managers and staff on all aspects of Environment, Safety, Health, and Quality. Led numerous independent oversight, problem-solving, and culture assessments to help senior managers better understand their organizations' attitudes, values, and beliefs, and remove barriers to achieving their strategic intent. As a Quality Manager, developed quality expectations for application throughout Battelle's Columbus operations. Provided regulatory and compliance oversight in matters associated with quality, environment, health, and safety. Assisted groups in developing and implementing programs and initiatives to meet regulatory requirements and client expectations, and in evaluating performance.

Martin Army Community Hospital (US Army), Fort Benning (October 1994–January 1996). As the Chief of Health Physics, served as operational program manager and consultant for radiation safety officer for NRC nuclear medicine license. Successfully wrote only license renewal proposal in entire U.S. Army southeast medical region to be accepted by USNRC upon first submission. Served as technical lead for radiation safety issues in preparation for the hospital's Joint Commission on Accreditation of Healthcare Organizations (JCAHO) inspection, resulting in a 100% rating from the Commission. Provided QA oversight of prospective vendors as part of MRI unit contract procurement team.

U.S. Army Center for Health Promotion and Preventive Medicine (US Army), Aberdeen Proving Ground (January 1992–September 1994). As a Nuclear Medical Science Officer, coordinated with numerous Army commands and US government agencies in support of conducting radiation protection consultation, audits and studies, to identify and quantify health hazards associated with the use of ionizing radiation and improve Major Command compliance with Army and federal regulations. Provided and enhanced Center and Army Office of the Surgeon General interfaces with federal regulating agencies, including the USNRC, USEPA, US Food and Drug Administration, US Department of Energy, and the National Institute of Standards and Technology.

Publications

Matthew J. Catenacci, Heather R. Luckarift, Robert J. Friedman, Aaron Male, Jeffery R. Owens. (2021). "Effect of fly ash composition and component quantities on the gamma radiation shielding properties of geopolymer," Progress in Nuclear Energy, Volume 140.

R. J. Friedman, M. C. Reichard, T. E. Blue, and A. S. Brown. (2001). "Evaluation of Scatter Contribution from Shielding Materials Used in Scatter Measurements for Calibration Range Characterization," Health Physics, Volume 80, Number 1.

GOVERNOR'S APPOINTMENTS TO BOARDS AND COMMISSIONS

Appointment Date: 12/22/2023

Name of Appointee: Robert J. Friedman III

Address: 7897 Saddle Run
Powell, OH 43065
Franklin County
(H): 6147991518
(W): 6144246588
(M): 6145990570
(E): friedmanr@battelle.org

Name of Commission: Radiation Advisory Council
Gene Phillips (Interim)
(614) 205-9406
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35 E. Chestnut St. 7th Floor
Columbus, OH 43215
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Term Begins: 9/7/2023
Term Ends: 9/6/2028
Party Affiliation: Democrat
Senate Confirmation: Appointed by the Governor, confirmed by the Senate
Financial Disclosure: Public disclosure required
Vice: Robert J. Friedman III

