

## **Joseph Donakowski | Health Physicist**

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### **Professional Summary**

Action-oriented DoD Health Physicist with nearly 20 years of experience ensuring radiological safety for personnel and the environment. Expertise in regulatory compliance, emergency response, Low-Level Radioactive Waste (LLRW) management, and decommissioning projects. Spearheaded a major policy overhaul for environmental LLRW disposal, projecting millions in cost savings and significantly accelerating project timelines across the U.S. Navy.

### **Core Competencies**

- Radiological Program Management
- LLRW and RCRA Hazardous Waste Management
- Regulatory Compliance (NRC, Navy, DoD, EPA, OSHA)
- Decommissioning and License Termination
- Audits, Inspections and Technical Assistance
- Dose and Risk Modeling (RESRAD, EPA PRG Calculator)
- Policy Development and Technical Writing
- Emergency Preparedness and Incident Response

### **Professional Experience**

#### **Health Physicist | U.S. Navy, NAVSEA DET RASO | Yorktown, VA | Jan 2022 – Present**

- Spearheaded the development and implementation of new Navy policy for environmental LLRW disposal, creating a self-sufficient program that projects to save millions of dollars, accelerate project schedules, and reduce on-site storage risks.
- Serve as a subject matter expert for the Navy's LLRW Program, coordinating all aspects of disposal for material generated globally in collaboration with the Army Joint Munitions Command and contracted brokers.
- Manage regulatory compliance programs for shore, overseas, and afloat Commands by conducting formal audits and inspections of shipyards, air stations, and warfare centers.
- Review and issue Naval Radioactive Material Permits (NRMP) and Ionizing Radiation Producing Machine Authorizations.
- Contributed to high-level policy by assisting in the development of the NAVY RAD-010 manual and providing input to the OPNAV 5090.1 Environmental Readiness Manual.

#### **Health Physicist | U.S. Marine Corps | MCB Camp Butler, Japan | Sep 2017 – Jan 2022**

- Served as a key member of the emergency response team for a 2017 CH-53 helicopter crash, successfully recovering seven Strontium-90 sources and minimizing the contaminated footprint, earning the MCB Commanding General's Coin for these efforts.
- Directed the Installation Radiation Safety and Laser Safety Programs, ensuring compliance with Navy, Marine Corps, and DoD policies for all tenant commands.
- Conducted regular audits, facilitated external inspections, and provided formal radiation and laser safety training to personnel.

- Authored major revisions to the radiation, laser, and RF safety sections of MCB-Butler Order 5100.6 and developed a new radiation safety internal controls program.

#### **Health Physicist** | U.S. Army Corps of Engineers | Kansas City, MO | Oct 2006 – Sep 2017

- Managed key health physics aspects of large-scale environmental radioactive material remediation projects within the Formerly Utilized Sites Remedial Action Program.
- Performed site oversight and inspections, and reviewed historical documents, work plans, and safety plans to ensure compliance with USACE, DoD, OSHA, and EPA regulations.
- Served as the lead point-of-contact for managing and disposing of hazardous wastes, including RCRA chemicals, asbestos, and PCBs, holding manifest signature authority.
- Awarded the District Commander's coin for service as an engineering liaison during the 2011 Kansas City District flood fight operations.

#### **Recent Innovative Projects**

**Health Physics Toolbox** | [jough13.github.io/HPT](https://jough13.github.io/HPT) | A web-based suite of calculators developed using HTML and JavaScript to perform common health physics calculations, including radioactive decay, dose conversion, and shielding.

**LLRW Disposal Tool** | [jough13.github.io/commodities](https://jough13.github.io/commodities) | An interactive web tool developed to streamline the identification of disposal pathways for Navy radioactive commodities.

#### **Education and Certifications**

- **Certified Naval Environmental Programs Manager** | NAVSEA DET RASO | 2025
- **Certified Decommissioning Project Manager** | NAVSEA DET RASO | 2024
- **Certified Navy Radioactive Materials Inspector** | Navy Radiation Safety Committee | 2024
- **Associate Member, American Academy of Health Physics** (CHP Part I Exam Passed)
- **Leadership Development Program Certificate** | USACE Kansas City District | 2016
- **Applied Health Physics Program Certificate** | Oak Ridge Associated Universities | 2007
- **Bachelor of Science in Astrophysics** | University of Minnesota | 2006

#### **Publications, Memberships, and Security Clearance**

- **Publications:** Author or co-author of five conference proceedings on environmental remediation and radioisotope measurement at the annual Waste Management Conference.
- **Memberships:** National Health Physics Society (Military, Radon, Environmental/Decommissioning Sections); American Academy of Health Physics
- Active Federal Secret Clearance