

# Brett Nickell

## QUALIFICATION FOR FACILITY RADIATION SAFETY OFFICER (RSO)

### Educational History

- ◆ Florida Gulf Coast University (FGCU) Bachelor's Degree in Environmental Science/Engineering Minor

### Work Experience

- ◆ May 2023: Completed the five day 40 hour technical RSO course by RSO Services in Fort Walton Beach, Florida. The class consisted of nuclear/atomic history, nuclear stability, radiation terms and units, types of emissions, laws of radioactive decay, radiation detection and monitoring, shielding, emergency procedures, federal and state regulations, licensing procedures, radiation surveys, radiographer's safety, fixed gauge usage, and naturally-occurring radioactive materials training (NORM).
- ◆ 2021 - Current: Lockheed Martin Fleet Ballistic Missiles (FBM) Eastern Range Facility at Cape Canaveral Air Station, Florida. Provided support to LMS RSO on controlled movement, conducted compliance inspections, and conducted inventory of facility radioactive sources: Cs-137 gap switches, Nickel 63, and AmLi-241 check source. Assisted in background ionizing and non-ionizing radiation checks of facility locations throughout the Eastern range. Provide, sign, and update our Radiation Use Authorizations (RUA) and modification forms which our KSC's NEMCON contractor oversees. Update the Active Inert Missiles (AIMs) Radiation Use Request (RUR) to incorporate current inventory accuracy and readings on the RF devices attached.
- ◆ 2017 - Current: Member of the Florida Chapter of the Health Physics Society (FCHPS) – Join/participate in the annual spring and fall meetings throughout the state. These meetings explore a wide range of topics, including recent developments in applications of ionizing and non-ionizing forms of radiation, emergency planning and response, and the evolving regulatory structure that ensures the safe use of radiation. Chapter objectives include encouraging the dissemination between individuals in the field of radiation safety and related fields, improving public understanding of the problems and needs in radiation safety, and providing open lines of communication between local chapter members and the Health Physics Society.
- ◆ 2013 - 2016: Florida Gulf Coast University (FGCU) Environmental Safety and Health Associate Specialist - Reviewed/updated university's Radiation Safety Manual to meet new administrative policies, ALARA responsibilities, training requirements, operational procedure, authorization to use radioactive materials, contamination control, labeling and signs, transfer of material, monitoring, dose limitations, X-Ray machine use guidelines, and housing requirements.

### Recent Trainings

- ◆ May 2023 – 40 hour technical RSO course
- ◆ March 2023 – Space Ionizing Radiation Safety
- ◆ January 2023 – RF Radiation Protection
- ◆ January 2023 – Optical/UV Radiation Protection
- ◆ January 2023 – Non-Ionizing Radiation Protection
- ◆ October 2023 – Ionizing Protection
- ◆ October 2023 – Principle Practice of Radiation Protection
- ◆ September 2023 – MFC Radiation Safety Program
- ◆ September 2023 – Non-Ionizing Radiation Safety
- ◆ August 2023 – Radiation Safety
- ◆ August 2022 – Ionizing Radiation Radioactive Materials
- ◆ August 2022 – Radiofrequency Radiation Certification