


## Exhibit SHN-013

**C. Michael Launi**  
Senior Manager – Nuclear Technologies  
Sargent & Lundy, LLC

Education:

University of Chicago - MBA – 1988  
University of Virginia - M.E. Nuclear Engineering – 1980  
University of Virginia - B.S. Nuclear Engineering – 1978

United States Nuclear Regulatory Commission Official Hearing Exhibit		
In the Matter of:	SHINE MEDICAL TECHNOLOGIES, INC. (Medical Radioisotope Production Facility) Commission Mandatory Hearing	
	Docket #: 05000608	Identified: 12/15/2015
	Exhibit #: SHN-013-MA-CM01	Withdrawn:
	Admitted: 12/15/2015	Stricken:
	Rejected:	
	Other:	

Mr. Launi has over 30 years of nuclear experience providing fire protection, nuclear licensing and shielding design and radiological safety analyses services. He is currently the manager of the Nuclear Technologies and Regulations Group. New nuclear plant experience includes development of the Early Site Permit application for PSEG at their Salem/Hope Creek site, development of the COL applications for Shearon Harris Units 2 and 3, Levy Units 1 and 2, Bell Bend, and Nine Mile Point Unit 3 and the recent revision to the South Texas Project Units 3 and 4 COL application. His experience also includes working with South African engineers to determine if Pebble Bed Modular Reactor design met U.S. NRC guidance. He also developed cost estimates and conceptual design for fire protection systems for the PBMR. Mr. Launi also provided a cost estimate for the licensing of the PBMR in the U.S (2002, 2003). His nuclear licensing activities have included development of inputs to Draft NEI 04-01 guidance documentation COL Application. Mr. Launi has also prepared and issued amendments to final safety analysis reports; performed analyses for and prepared 10 CFR Appendix R safe shutdown reports and has been involved in the development of the FSAR; and coordinated responses to significant operating experience reports. Mr. Launi was also a member of an NEI Working Group on fire protection. Mr. Launi also has experience training client personnel on the Appendix R safe shutdown analysis and review checklists; preparation of criteria to identify fire protection-Q boundaries and equipment for several nuclear power stations. Mr. Launi's shielding design and radiological safety analysis activities have included performing and reviewing a wide variety of shielding design calculations. These calculations require knowledge in the use of various computer codes that use point kernel integration techniques and account for radioisotope buildup and decay. He has been involved in the preparation of post accident zone maps, the shield wall design review, and the Institute of Nuclear Power Operations (INPO) management self-evaluation review of a major utility's radiological safety program.