


United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of:	SHINE MEDICAL TECHNOLOGIES, INC. (Medical Radioisotope Production Facility)
Commission Mandatory Hearing	
	<b>Docket #:</b> 05000608 <b>Exhibit #:</b> SHN-016-MA-CM01 <b>Admitted:</b> 12/15/2015 <b>Rejected:</b> <b>Other:</b>
	<b>Identified:</b> 12/15/2015 <b>Withdrawn:</b> <b>Stricken:</b>

# William D. Newmyer

## Senior Consulting Engineer

### Energy (Nuclear)

#### Profile

Mr. Newmyer is a senior consultant with over 24 years of experience in the field of nuclear engineering including specific experience with nuclear criticality safety and nuclear core design. Most recently he is working with Westinghouse Electric in the criticality group on Spent Fuel Pool Criticality analyses. Prior to that he was on assignment at the Los Alamos National Laboratory supporting the Nuclear Criticality Safety (NCS) group supporting the Plutonium Facility. He has also recently provided support to the MOX Fuel Fabrication Facility and served as lead engineer for the nuclear criticality safety of the SHINE Medical Isotopes facility. As lead nuclear criticality safety engineer for SHINE he worked closely with plant designers to ensure equipment and process design met criticality safety limits. Prior to this he was assigned to the B&W Lynchburg Nuclear Operations Group in Lynchburg, VA supporting NCS and CAAS detector placement activities at the B&W Lynchburg Facility. Other recent assignments including leading an effort to reanalyze the Spent Fuel Storage Pool at South Texas Units 1 and 2 for the Westinghouse Nuclear Fuel Division. He also recently supported the Westinghouse Nuclear Fuel Division as a core design engineer using Westinghouse core design methods while employed by NSA.

#### Experience

**Atkins [2001 – Present]**

**Westinghouse Commercial Nuclear Fuel Division [1991 – 2001]**

**Oak Ridge National Laboratory [1990 – 1991]** – Performed Master's degree thesis work on the subject of a hypothetical nuclear criticality involving highly enriched, dry uranium powders at the Oak Ridge Y-12 plant.

**Westinghouse Savannah River Company, Inc. [1988 & 1989] Summer Intern**

**Nuclear Regulatory Commission, Region III [1988] Cooperative Education Student**

#### Key experience

- Nuclear Criticality Safety
- Nuclear Reactor Core Physics
- Packaging and Transportation
- MCNP
- SCALE 5/6
- KENO V.a
- KENO VI
- MAVRIC

#### Profession

Consulting Engineer

#### Work history

2001 Joined Atkins (Formerly Nuclear Safety Associates)

Years with other firms:10

#### Qualifications

M.S., Nuclear Engineering, University of Tennessee, 1992. Thesis topic was Nuclear Criticality Safety.

B.S., Nuclear Engineering, Pennsylvania State University, 1989

#### Clearance

DOE Q (Active)