


In the Matter of: SHINE MEDICAL TECHNOLOGIES, INC. (Medical Radioisotope Production Facility)	
Commission Mandatory Hearing	
	Docket #: 05000608 Exhibit #: SHN-020-MA-CM01 Admitted: 12/15/2015 Rejected: Other:
	Identified: 12/15/2015 Withdrawn: Stricken:

Louis Restrepo, Ph.D.

Subject Matter Expert

Energy (Nuclear)

Profile

Dr. Restrepo has 30 years of experience in management, safety/risk analysis, safety basis (SB) documentation/implementation; nuclear explosive safety, criticality safety, integration of safety into design, safety and operational program implementation and assessments; phenomenological modeling; assessments and readiness; and training. Most recently he worked as technical lead for safety analysis and as a contributor to the ISA for the SHINE Medical technologies radioisotope facility project.

He served as Senior Technical Advisor and/or Mentor to Department of Energy/National Nuclear Security Administration (DOE/NNSA) and DOE contractors on safety and operational programs development, implementation, and assessments.

Dr. Restrepo supported the preparation of numerous DOE Orders, Standards, and Guides (e.g., DOE-STD-3009, DOE-STD-5506, DOE-STD-1104, DOE-STD-1186, DOE-HDBK-3010, DOE-STD-1189), and American National Standards Institute (ANSI) Standards.

He qualified as the Lead and Manager Safety Analyst for the National Security Technology (NSTec).

Key Experience

- Safety/Risk Analysis and Documentation
- Safety/Operational Program Development/Implementation
- Nuclear Explosive Safety
- Design Safety Evaluations
- Fire & Explosion Modelling
- Radiation Protection & Criticality Safety
- Phenomenological Modelling
- Contributing Author of Numerous DOE Standards, Guides, Handbooks on Safety & Design

Profession

Subject Matter Expert

Work History

2014 Joined Atkins

2012– 2014 Nuclear Safety Associates

Years with other firms:32

Qualifications

Ph.D., Nuclear Engineering, University of New Mexico, 2000

M.S., Health Physics, Georgia Institute of Technology, 1988

Numerical Analysis Master Program, Johns Hopkins University, 1984

M.Eng., Nuclear Engineering, Cornell University, 1983

B.S., Mathematics/Physics, Montclair State University, 1981

Business Executive Program, Dartmouth (Tuck School), 2004

Clearance

DOE Q (Active)

Experience

Atkins [2012 – Present] V.P Business and Staff Development – Dr. Restrepo was the Atkins NS executive sponsor and technical lead for the SHINE Medical Technologies radioisotope project.

OMICRON Safety and Risk Technology, Inc. [1997 – 2011] President –

Sandia National Laboratories (SNL) [1990 – 1997] Senior Member of the Technical Staff

Colorado School of Mines [1989] Adjunct Professor University of Colorado [1988 – 1989] Adjunct Professor –.

Rockwell International – Rocky Flats [1984 – 1990] Principal Lead Nuclear Safety Engineer

General Physics Corporation [1983 – 1984] Engineer