


United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of:	Entergy Nuclear Operations, Inc. (Indian Point Nuclear Generating Units 2 and 3)
	ASLBP #: 07-858-03-LR-BD01
	Docket #: 05000247 05000286
	Exhibit #: NRC000064-00-BD01
	Admitted: 10/15/2012
	Rejected:
Other:	Identified: 10/15/2012
	Withdrawn:
	Stricken:

NRC000064
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Senior Advisor for Emergency Preparedness and Response, United States Nuclear Regulatory Commission

Responsible for technical leadership: in the application of emergency preparedness and response activities and regulations at fixed nuclear facilities and; development and documentation of NRC staff positions and technical guidance on regulatory aspects of emergency preparedness and response. Provides technical review and oversight in development and finalization of agency emergency preparedness regulations and guidance; facilities resolution of technical issues, develops technical basis for regulations and guidance. Supports other NRC offices as well as Federal and State agencies. Functions as NRC point of contact for Emergency preparedness in the international community; NEA EP working party member; technical reviewer for IAEA; Office of Economic Cooperation and Development Nuclear Energy Agency (NEA) Working Party Nuclear Emergency Matters (WPNEM) member; Co-chair of NEA/WPNEM Expert Group on Implementation of International Recommendations for Emergency Situations (EGIRES); NEA peer reviewer for France and Finland's implementation of ICRP-103, 109 and 111 guidelines for protective action recommendations in emergency and existing exposure situations. Technical manager for national lab development of NUREG/CR 6981 "Assessment of Emergency Response Planning and Implementation for Large Scale Evacuations". Technical manager for development of NUREG/CR7032 Developing an Emergency Risk Communication (ERC)/Joint Information Center (JIC) Plan for a Radiological Emergency and NUREG/CR-7033 Guidance on Developing Effective Radiological Risk Communication Messages: Effective Message Mapping and Risk Communication with the Public in Nuclear Plant Emergency Planning Zones." I lecture on radiological and nuclear preparedness to include evacuation and other protective actions at the Harvard school of Public Health Continuing Education Program on Radiological Preparedness. I am the chair of the Expert Group on Response Implementation strategies, a subcommittee of the Working Party for Nuclear Emergency Matters for the Nuclear Energy Agency, OECD, Paris, France. I have delivered many speeches and workshops on emergency preparedness, recently at the International Emergency Management Association where I lead and emergency preparedness workshop; at the National Radiological Emergency Preparedness Annual Meeting; at regional meetings and at international meetings. I routinely represent the Nuclear Regulatory Commission at meetings with other federal agencies, including the Executive Office of the President at the White House, I have testified under oath on behalf of the NRC to a Congressional Sub-committee regarding nuclear power plant emergency preparedness matters, and I routinely speak with journalists regarding emergency preparedness for nuclear power plants. I am presently leading the initiative to develop a framework for emergency preparedness for small modular reactors.

PRESENTATIONS:

- International Association of Emergency Managers 2011 Annual Meeting presentation on NRC response to the Fukushima Dai-ichi Nuclear Power Plant Crisis
- Organized, hosted and presented at OECD/NEA International Conference on Stakeholder Engagement in Response and Recovery, Washington, DC 2010
- Health Physics Society Mid-Year Meeting 2010 Radiological Risk Communications Workshop
- Presented on Radiological risk Communications at the NEI emergency preparedness communication forum, 2010
- National Radiological Emergency Preparedness Conference 2008, presentation “Assessment of Emergency Response Planning and Implementation in the Aftermath of Major Natural Disasters and Technological Accidents”
- “EP in the post 9/11 environment” ANS Topical Meeting, Salt Lake City Utah, 2006
- “Preparedness and Response to Nuclear Detonation” panel member at National State Liaison Officers Annual Meeting 2009
- Presentation on Radiological emergency Preparedness; Baltimore Washington Chapter of the Health Physics Society Annual Meeting 2007
- Lecturer at the Harvard School of Public Health Continuing Professional Education Program in Radiological Emergency Preparedness 2006
- Review and presentation of EP, Chemistry, Health Physics findings at Tianwan Nuclear Power Station to Chinese State, provincial and utility officials, 2005
- Presentation of US Emergency Preparedness for fixed nuclear facilities, RIOCON, Rio de Janeiro, Brazil, 2005
- Review and presentation of INEX-3 Exercise, presentation of findings to National Authority, Helsinki, Finland, 2005
- Review and presentation of EP findings at the Tianwan Nuclear Power Station to Chinese State, provincial and utility officials, February 2004
- Support to Region 3 at Twin Cities Depleted Uranium Cleanup Meetings, March 2004; health effects of depleted uranium
- Support to Region 1 at annual assessment meetings for Indian Point, Three Mile Island and Oyster Creek Nuclear Stations April-May 2004, 2005
- Commission Emergency Preparedness briefing, September, 2003
- Testimony to National Academy of Sciences, May, 2003
- Testimony to Congressional Subcommittee, March, 2003
- Presented NRC KI program at the NEI EP FORUM, June 2001,2004
- Lead discussion on radiological risk communications at the NEI EP Forum 2009 and 2010.
- Lecturer at Harvard School of Public Health, Continuing Education Program on Emergency Preparedness since 9/11 (2003-2011)
- Presented Program office overview of EP ROP at NEI EP Forum, June 2001,
- Presented NRC KI program overview, and discussed Radiation Public Health Project allegations regarding nuclear power plant effluents and increased health effects at the NEI Women In Nuclear Forum, August 2002,
- Answered questions and concerns from members of the public regarding radiation health effects and emergency preparedness from nuclear power plant effluents at an Indian Point Public Meetings since November 2000,

- Support to license renewal branch with participation at the Turkey Point, Peach Bottom, Clinton, Hatch, Oyster Creek, Pilgrim, Vermont Yankee License renewal meetings to discuss emergency preparedness and radiological health issues.
- Presented NRC KI program at the CRCPD meeting, May 2002,
- Presented training session to the Occupational Medicine Convention on Emergency Medicine and Emergency Preparedness, 1998, 1999,2000, 2001
- Supported Millstone Unit 1 decommissioning public meetings on radiation health issues, May 1999.

PUBLICATIONS

Planning Guidance For Response to a Nuclear Detonation, contributing author of National security Staff Interagency Policy Coordinating Committee for Preparedness and Response to Radiological and Nuclear threats, 2010

Consideration of Potassium Iodide in Emergency Planning

(<http://www.nrc.gov/what-we-do/regulatory/emer-resp/emer-prep/potassium-iodide.html>)

Frequently Asked Questions on Potassium Iodide

(<http://www.nrc.gov/what-we-do/regulatory/emer-resp/emer-prep/ki-faq.html>)

SECY-02-0089, Revised Draft NUREG-1633 and Public Information Brochure on Potassium Iodide (KI) for the General Public

SECY-01-0069, Status of Potassium Iodide Activities,

Revised Federal Policy on use of KI, (FR 67 No. 7 page 1355).

Backgrounder on Emergency Preparedness at Nuclear Power Plants

(<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/emerg-plan-prep-nuc-power-bg.html>)

Backgrounder on Radiation Protection and the Tooth Fairy Issue

(<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/tooth-fairy.html>)

Revision of NRC Regulations on Potassium Iodide, Health Physics Society Newsletter, February 2001

SECY-06-0142 Options and Recommendations for Replenishing Expired Potassium Iodide (KI)

SECY-09-0041 Recommendation For Future Replenishment of Potassium Iodide

SECY-09-0051 Evaluation of Radiological Consequence Models and Codes

EDUCATION

Johns Hopkins University, graduate course work in Risk Sciences and Public Policy

Mercer Southern School of Pharmacy, Nuclear Pharmacy Certification.

Drake University, Pharmaceutical Sciences

University of Michigan, B.S. major: Psychology/Biochemistry minor: Physics

LICENSES, CERTIFICATIONS, PROFESSIONAL AFFILIATIONS

Recipient of the NRC Meritorious Service Award for excellence, 2011

American Board of Health Physics Vice-Chair

American board of Health Physics Secretary

Past Panel Chair, Part 1 Panel of Examiners American Board of Health Physics

American Board Of Health Physics Certification (Comprehensive)

Pharmacy Licenses: Maryland, Iowa, New Jersey, Pennsylvania, Illinois,

Wisconsin

Health Physics Society, Plenary Member
Baltimore Washington Chapter Health Physics Society
American Board of Health Physics
Women In Nuclear Member
American Pharmaceutical Association
Society of Nuclear Medicine
Board Certified Nuclear Pharmacist (now lapsed-no longer active in practice of nuclear
pharmacy)
American Nuclear Society Member