2015 NORTH AMERICAN ISOE ALARA SYMPOSIUM AGENDA

Hyatt Regency Pier Sixty-Six 2301 S.E. 17th Street Causeway Ft. Lauderdale, Florida 33316 USA Phone: 954-525-6666

ALARA Lessons Learned from 2014 Refueling Outages & Normal Operations

Sunday, January 11, 2015

1:00 pm – 5:00 pm North American CZT Data Analysis Working Group Meetings Crystal Ballroom 3,4

Monday, January 12, 2015

7:00 am – 8:00 am
Registration
Crystal Ballroom Foyer
7:00 am – 8:00 am
Continental Breakfast
All ISOE ALARA Technical Sessions
Crystal Ballroom 3, 4

Plenary Session: Fukushima Severe Accident Status and Impact on Operating Nuclear Plants

Session Chair: John M. Palms, PhD, Distinguished President Emeritus, University of South Carolina, Exelon Board

Member Emeritus

8:00 am Welcome: John Palms, NATC Honorary Board Chair

8:15 am Big Data for Radiation Analytics,

Professor Tim Weninger, Data Science Group, Notre Dame University

9:00 am Lessons Learned from the Fukushima Daiichi Accident to Establish Resilience Technology for Nuclear

Plants Based on the Defense in Depth Philosophy,

Invited Plenary Speaker: Professor Tadashi Narabayashi, Hokkaido University, Sapporo, Japan

10:00 am Coffee Break Crystal Ballroom Foyer

10:15 am H3D Technology as a New ALARA Tool for Nuclear Power Plants,

Professor Zhong He, University of Michigan, Recipient of the

2014 John M. Palms Outstanding Innovation Award from the College of Engineering, University

of Illinois

11:00 am Source Term Control by Optimized RHR Operations,

Andreas Ritter, Deputy Dept. Manager Chemistry and Radiation Protection, Leibstadt Nuclear Plant,

Switzerland, Recipient of the 2014 Radiation Professional of the Year Award

Monday, January 12, 2015 (continued)

11:30 am Quad Cities Generating Station Dose Reduction Achievements

Dan Collins, RPM, Quad Cities Generating Station, Exelon 2014 World Class ALARA Performance Award Presentation

12:00 noon Lunch <u>Crystal Ballroom Foyer</u>

Session II: Experiences in Japan Resulting from the Accident at Fukushima-Daiichi

Session Chair: Jason Harris, NATC Idaho State University

1:00 pm Use of Silver Zeolite in Hardened Vents at Japanese BWRs,

Dr. Jifeng Wang, RASA, Japan

1:30 pm Dosimetry Management for US Navy Ships in Japanese Waters Post-Accident,

Luis Benevides, PhD, US NRC - Office of Nuclear Regulatory Research

2:00 pm EDEx Lessons Learned from 2014 Region III Refueling Outages,

Martin Phalen, US NRC, Region III

2:30 pm Coffee Break Crystal Ballroom Foyer

Session III: ISOE Distinguished Papers & Source Term Management

Session Chair: David Thompson, Duke Fleet RPM

3:00 pm ALARA Management Measures and Experiences in Handling of Replaced Pressurizer at Ringhals 4,

E. Hernvall and T. Svedberg, Ringhals, Sweden, Distinguished Paper from Bern, Switzerland European

ISOE Symposium

3:30 pm Update for the Revisions to the NRC 10 CFR 20,

Cindy Flannery, US NRC

4:00 pm 2015 – Exploring New Worlds: Pluto, Ceres, and Mars

Dennis Chamberlain, Technical Manager NASA Kennedy Space Center,

National Aeronautics and Space Administration

5:30 – 7:00 pm Vendor Opening Reception of Exhibit Hall (All attendees invited to attend) Crystal Ballroom 1,2

Tuesday, January 13, 2015

7:00 am – 8:00 am Group Breakfast <u>Crystal Ballroom 1,2</u>

Technical Meetings <u>Crystal Ballroom 3,4</u>

Exhibit Hall Crystal Ballroom 1,2

Session IV: ALARA Experiences During Outages in 2014

Session Chair: John Moser, LaSalle RPM, Exelon

8:00 am Human Exploration of Deep Space Begins – Mars and Asteroids

Dennis Chamberlain, Technical Manager NASA Kennedy Space Center,

National Aeronautics and Space Administration

8:30 am Dresden's Record Low Refueling Outage Achievement, Harry Bush, Exelon

Tuesday, January 13, 2015 (continued)

9:00 am	Suppression Pool Diving Dose Reduction at Limerick Station, Tom Mscisz, Limerick	
9:30 am	Cook Source Term Characterization Initiative with H3D Technology, Derek Hultquist, Cook Plant	
10:00 am	Coffee Break	Crystal Ballroom 1,2
Session V: Radiation Protection/ALARA Good Practices Session Chair: Jason Eggart, Surry RPM, Dominion Generation		
10:30 am	INPO ALARA Observations & Findings in 2014, Kevin Pushee, INPO RP Manager	
11:00 am	Quad Cities ALARA Program Accomplishments & Challenges, Archie Williams, Quad Cities, Exelon	
11:30 am	Source Term Mitigation & SRMP/BRAC Measurements Update, Carola Gregorich, EPRI	

Session VI: Radiological Safety Culture to Foster ALARA Philosophy

Session Chair: Clark Bourne, Vogtle, Southern Company

Lunch (Sponsored by Vendors)

12:00 pm

1:30 pm	ALARA Aspects of DSC Campaign at Robinson, Steven Hall, Robinson Plant, Duke Energy	
2:00 pm	Decommissioning Activities in Europe, Swen-Gunnar Jahn, Swiss Federal Nuclea Switzerland	r Safety Inspectorate,
2:30 pm	Update on the Proposed Amendments to Canada's Radiation Protection Regulations, Melissa Fabian, Radiation Protection Officer, Canadian Nuclear Safety Commission, Directorate of Environmental and Radiation Protection and Assessment, Canada	
3:00 pm	Coffee Break	Crystal Ballroom 1,2

Crystal Ballroom 1,2

Session VII: Regulatory ALARA Updates

Session Co-chairs: Terry Brock, US NRC & Melissa Fabian, Canadian Nuclear Safety Commission

3:30 pm US NRC ALARA Findings and Observations in 2014, Manuel Jimenez, US NRC

4:00 pm Regulatory Panel Discussion:

Jim Noggle, US NRC Region I Branch Chief, Melissa Fabian, Manuel Jimenez, Martin Phalen, Cindy

Flannery, and Swen-Gunnar Jahn

Open Forum for Discussion on Regulatory Topics Related to Occupational Radiation Safety

6:00 pm Global ISOE Regulator Meeting and Dinner (for ISOE Regulators only) 1st Floor (Mariner's)

Wednesday, January 14, 2015

7:00 am – 8:00 am Group Breakfast Crystal Ballroom 1,2
Technical Meetings Crystal Ballroom 3,4
Exhibit Hall Crystal Ballroom 1,2

Session VIII: Radiation Protection-Topical Highlights

Session Chair: Robert Porter, Duane Arnold

8:00 am	Oconee ALARA Performance & Pressure Tube Bundle Experience, David Thompson	, Oconee Nuclear Plant
8:30 am	Byron Unit 2 Record Low Refueling Outage Dose for US PWRs, Barry Barton, RPM	Byron, Exelon
9:00 am	Shutdown Chemistry and Radiation Safety Update, Phung Tran, EPRI	
9:30 am	Management of Worker Dose During Severe Accident: ISOE Expert Group Report, Rick Doty, NATC External Affairs Coordinator, University of Illinois	
10:00 am	Coffee Break	Crystal Ballroom 3,4

Session IX: Industry Dose Reduction Initiatives

Session Chair: Charles England, RPM Monticello, Xcel Energy

10:30 am	Development of UAE ALARA Program to Support New Plant Operations, Sana Bilal, Federal Authority for Nuclear Regulatory, United Arab Emirates	
11:00 am	Chemical Engineering Aspects of Nuclear Plant ALARA Programs, Pat Robinson, n.p.	Energy
11:30 am	Highlights of IAEA Conference on Occupational Radiation Protection; Status of Safety Guide Revisions, Jizeng Ma, IAEA	
12:00 pm	Lunch (sponsored by vendors)	Crystal Ballroom 1,2

Session X: Future Directions for ALARA Programs at Nuclear Power Plants

Session Chair: Richard Doty, NATC

1:30 pm	Low Dose Health Effects: Cataract Evaluation Results and Status of Lens of Eye Monitoring Guide, Phung Tran, EPRI
2:00 pm	NATC ISOE New MADRAS Report Generation Initiative to Assist RPMs in Preparing Regulatory Annual RP Program Review, David Miller, NATC
2:30 pm	Vendor Highlights of New Products & Services
3:30 pm	Meeting Summary & Closing David W. Miller, NATC Regional Director, ISOE
	Adjournment