

2009 ALARA WORLD CLASS PERFORMANCE

Browns Ferry Unit 1

Tennessee Valley Authority



Preston Swafford, Chief Nuclear Officer
Russell West, Site Vice President
Paul Sawyer, Radiation Protection Mgr.

Donald Jernigan, Senior Vice President
James Randich, General Manager Site Operations
John Underwood, Source Term Reduction Mgr.

2010 ISOE North American ALARA Symposium/ EPRI Radiation Protection Conference

January 11-13, 2010
Fort Lauderdale North Marriott Hotel
Fort Lauderdale, Florida, USA

North American Technical Center
Information System on Occupational Exposure (ISOE)
OECD/NEA-IAEA, PARIS, VIENNA, TOKYO, CHAMPAIGN
College of Engineering, University of Illinois at Urbana-Champaign

**2010 ISOE North American ALARA Symposium
& EPRI Radiation Protection Conference**

AGENDA

Sunday, January 10, 2010		Location
5:30 pm - Registration		Everglades
7:30 pm		
Monday, January 11, 2010		
7:00 am	Registration	Everglades
7:00 am	Group Breakfast	Cypress
Foyer		
7:00 am	Speakers' Breakfast (Monday speakers)	
	Sawgrass	
8:00 am	Welcome	Cypress D
	Dennis Hussey, EPRI	
	Wataru Mizumachi, ISOE Bureau Past Chair, Japan	
Plenary Session I: ALARA and the Nuclear Renaissance		Cypress
D		
<i>Session Chair: Dr. John Palms, Exelon Corporation Board Member</i>		
8:10 am	Canadian Nuclear Renaissance	
	Terry Jamieson, CNSC, VP of Technical Support	
9:00 am	2008 ISOE World Class ALARA Performance Award	
	Donald Jernigan, Executive Vice President, TVA	
	Paul Sawyer, RPM, Browns Ferry, TVA	
	John Underwood, Source Term Reduction Manager, Browns Ferry, Unit 1, TVA	
9:30 am	Radiation Protection Challenges at EDF	
	Yves Garcier, MD., EDF, Vice President	
10:00 am	Coffee Break	Foyer

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**Session II: RP 2020 Initiative
D**

Cypress

Session Chair: Richard Farrell, Point Beach FPL

10:30 am Status of RP 2020 in 2010
Ellen Anderson, NEI

11:00 am Industry Update and INPO's Perspective on Future
Direction of
Radiation Protection
Dane Williams, INPO

11:30 am EPRI Radiation Management Program Update
Dennis Hussey, EPRI

12:00 noon- Lunch

1:00 pm

**Atlantic/Gulfstream
Intercoastal Room**
(coffee & dessert in Exhibi

Session III: Special Topics in ALARA

Cypress D

*Session Chair:
Braidwood, Exelon Corporation*

Pat Daly,

1:00 pm Pickering A Hot Particle Presentation
Scott Cameron, Ontario Power Generation

1:30 pm RP Management of Hot Particle at Leibstadt
Andreas Ritter, Kernkraftwerk Leibstadt AG

2:00 pm RP Management: TMI 1 Steam Generator Replacement/
Refueling
Willie Harris, Exelon Corporation

2:30 pm Overview of the EPRI Radioactive Material Control
Guidelines
Phung Tran, EPRI

3:00 pm Coffee Break

Foyer

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3:30 pm	ACR -100® Design Features Minimizing Collective Occupational Dose and Emissions to ALARA Serge Julien, Atomic Energy of Canada Ltd.	
4:00 pm	ISOE Data Update: Overview of New Web-based ISOE Software Lucie D'Ascenzo, CEPN	
4:30 pm	New ISOE Work Management Book Wataru Mizumachi, JNES, Japan	
6:00 pm - 7:30 pm	Vendor Reception	Cypress ABC

Tuesday, January 12, 2010

7:00 am	Group Breakfast	Foyer
7:00 am	Speakers' Breakfast (Tuesday Speakers)	Sawgrass
Session IV: Source Term Reduction & Radiation Protection Technologies		Cypress D
<i>Session Chair: Patty Jones, Constellation Generation Group</i>		
8:00 am	Results from Browns Ferry Unit 1 Restart Activities John Underwood, TVA	
8:30 am	EPRI Source Term Reduction Program Highlights Dennis Hussey, EPRI	
9:00 am	Pre-Filming Method of Reducing Metal Release from Alloy 690 For SG in Primary Water of PWR Akihiro Uehira, Sumitomo Metals Industry	
9:30 am	Industry Update on PWR Zinc Injection David Perkins, EPRI	
10:00 am	Coffee Break	Foyer
10:30 am	Control Rod Guide Tube Flush Tool Process Harry Bush, Exelon Corp.	
11:00 am	Streamlining the Use of Temporary Shielding Paul Saunders, Suncoast Solutions	
11:30	Lunch	Atlantic/Gulfstream/ Intercoastal Room

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Session V: Radiological Work Management at Nuclear Power Plants **Cypress D**

Session Chair: David Miller, Cook Nuclear Power Plant

1:00 pm Understanding Human Performance within Radiation Protection

Scott Cameron, Ontario Power Generation

1:30 pm ALARA Response to Catawba Unit Shutdown from RCP Gasket Leakage

Jeff Foster, Duke Energy

2:00 pm Using Weibull Distribution Analysis to Evaluate ALARA Performance

Derek Hagemayer, Oak Ridge Associated Universities

2:30 pm Coffee Break **Cypress ABC**

Session VI: ICRP-103 Implementation **Cypress D**

Session Chair: Vincent Holahan, USNRC

3:00 pm NRC Update on ALARA Activities Regulatory Discussion
Steven Garry, USNRC

3:30 pm Canadian Perspective of ICRP-103 Recommendations
Amy Hicks, CNSC

4:00 pm Options for Revision of Radiation Protection Standards -
Further Considerations
Donald Cool, USNRC

4:30 pm Regulatory Panel Discussion

5:00 pm **Adjourn**

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Wednesday, January 13, 2010

7:00 am Continental Breakfast **Foyer**
7:00 am Speakers' Breakfast (Wednesday Speakers) **Sawgrass**

Session VII: ALARA Outages Lessons Learned: ALARA Goals D Cypress

Session Chair: **Doug Noble, First Energy Corp.**

8:00 am Utility Management of RP Technician Shortage During Outages

Jerry Hiatt, Bartlett Nuclear Services

8:30 am Cook Unit 2 34 Person-Rem Outage Achievements

Terry Brown, Cook Nuclear Plant

9:00 am Dry Fuel Storage Dose Reduction at Calvert Cliffs

Patty Jones, Constellation Generation Group

9:30 am Break **Foyer**

Session VIII: CANDU Refurbishment Cypress D

Session Chair: **Scott Cameron, Ontario Power Generation**

10:00 am Point Lepreau Refurbishment ALARA Results

Charlie Hickman, Ontario Power Group

10:30 am Bruce A Retubing ALARA Experiences,

Alastair Dykstra, AECL

Session IX: Fall 2009 ALARA Plant Updates

Cypress D

Session Chair:
Nuclear Power Plant

Terry Brown, Cook

11:00 am Beaver Valley ALARA Update

Doug Noble, First Energy Corp.

11:30 am Radiation Dosimetry Simulator Power Point Presentation

Wm. Keith Hodnett, Vogtle, Southern Co

12:00 Noon Lunch

**Atlantic/Gulfstream/
Intercoastal**

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Session XI: International ALARA Session

Cypress D

Session Chair: Linda Weekes, AECL, Canada

- 1:30 pm Analysis of Occupational Exposure Indicators at Different
 Types of Russian Nuclear Power Plants
 Vadim Glasunov, *Russian Research Institute for
Nuclear Power
Plants, VNIIAES*
- 2:00 pm Recent Progress in COG Health Physics R&D
 Andreas Vikis, *Canadian Owner's Group*
- 2:30 pm Radiological Protection for the Angra Steam Generator
 Replacement Outage
 Jose Augusto Amaral, *Eletrobras Termonuclear S.A*
- 3:00 pm **Meeting Summary**
 David W. Miller, *NATC ISOE*
- 3:15 pm **Meeting Adjourns**