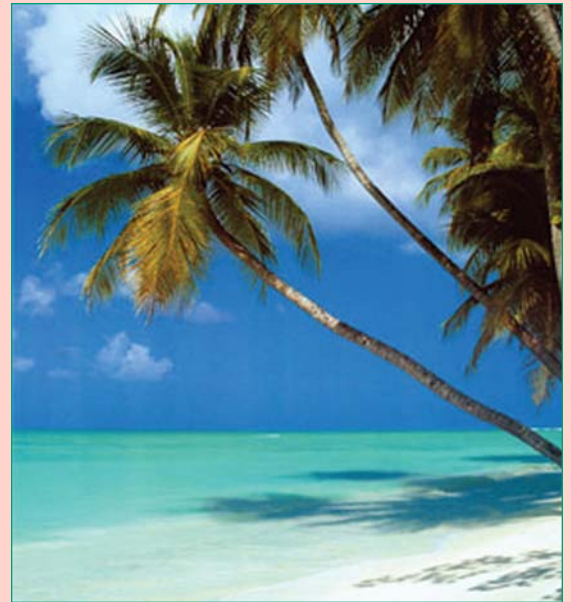




2007 UTILITY WORKING CONFERENCE AND VENDOR TECHNOLOGY EXPO

August 5-8, 2007

Amelia Island, Florida • Amelia Island Plantation



“The Future Begins Now”

Official Program

2007 UWC – CONFERENCE TRACKS

Engineering

Executive

Nuclear Asset Management

Operations

Oversight/Quality Assurance

Performance Improvement

Regulatory Relations

Risk Management

Work Management

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for future meetings and additional information



CONTRIBUTING ORGANIZATIONS

The organizations listed below have made an outstanding contribution to the success of the 2007 UTILITY WORKING CONFERENCE and to the enjoyment of the attendees and their guests through their generous sponsorship.

SUNDAY, AUGUST 5, 2007

AREVA NP, Inc

Sponsor of the Blended Bars during the Opening Reception

Curtiss-Wright Flow Control

Co-Sponsor of the Appetizers during the Opening Reception

Invensys Process Systems

Sponsor of the Hosted Beer/Wine/Soft Drinks and Co-Sponsor of the Appetizers during the Opening Reception

EPM (Engineering Planning and Management, Inc.)

Sponsor of the Hosted Beer/Wine/Soft Drinks during the Opening Dinner

EXCEL Services Corporation

Co-Sponsor of the Opening Dinner

Mitsubishi Heavy Industries, Ltd.

Co-Sponsor of the Dessert & Cordial Reception following the Opening Dinner

MONDAY, AUGUST 6, 2007

Entergy

Sponsor of the Continental Breakfast in the Vendor Technology Expo

Lockheed Martin

Washington Group International

Co-Sponsor of the Lunch in the Vendor Technology Expo

TUESDAY, AUGUST 7, 2007

Sargent & Lundy

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Enercon Services, Inc.

Westinghouse Electric Company

Co-Sponsor of the Lunch in the Vendor Technology Expo

SAP America

Sponsor of the Hosted Beer/Wine/Soft Drinks during in the Vendor Technology Expo Reception

WEDNESDAY, AUGUST 8, 2007

HF Controls Corporation

Sponsor of the Continental Breakfast

IBM Maximo

Sponsor of the Mid-Morning Refreshment Break

2007 UTILITY WORKING CONFERENCE: GOLF TOURNAMENT SPONSORS

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EXCEL Services Corporation (4 Foursomes of Golf)

Flowserve Corporation (3 Foursomes of Golf)

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PCI-Westinghouse (2 Foursomes of Golf)

SAP America

Scientech LLC

Southern Nuclear Operating Company

Sulzer Pumps

Unitech Services Group

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2007 UTILITY WORKING CONFERENCE AND VENDOR TECHNOLOGY EXPO

“The Future Begins Now”

August 5-8, 2007

Amelia Island, Florida • Amelia Island Plantation

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- 14** **Professional Development Workshop**
Root Cause Analysis for Safety Culture and Human Performance Improvement

- 14-18** **Vendor Technology Exhibit**

Program Committee

2007 Utility Working Conference: Program Committee

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Jeffrey Gasser,
 Southern Nuclear
 Operating Company

**ASSISTANT TECHNICAL
 PROGRAM CHAIR**
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**TECHNICAL PROGRAM
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 Southern Nuclear
 Operating Company

**ASSISTANT TECHNICAL
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Jeffrey Robertson,
 Duke Energy Corporation

TRACK	LEADER	ORGANIZER(S)
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Executive	Ernest Harkness, Consultant	Richard Cole, Exelon Nuclear
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Operations	Chris Mudrick, Exelon Nuclear	Harold Stiles, Progress Energy
Oversight/Quality Assurance	Jeannie Rinckel, FirstEnergy	Gary Harris, HTS Enterprise
Performance Improvement	Mark Reinhart, IAEA	Roman Estrada, Nebraska Public Power District Bill Corcoran, Nuclear Safety Review Concepts
Regulatory Relations	Jim Dyer, U.S. Nuclear Regulatory Commission	Donna Williams, U.S. Nuclear Regulatory Commission
Risk Management	C. Rick Grantom, South Texas Project	Greg Krueger, Exelon Nuclear
Work Management	Todd Adler, Southern California Edison Company	Pete Arthur, FirstEnergy/INPO Loyd Wright, Southern California Edison Company

Condensed Conference Schedule

2007 Utility Working Conference & Vendor Technology Expo

August 5-8, 2007 • Amelia Island Plantation • Amelia Island, Florida

DATE	TIME	EVENT/SESSION	LOCATION
SUNDAY, AUGUST 5, 2007	8:00 A.M.	GOLF TOURNAMENT	
	3:00 P.M. - 7:00 P.M.	MEETING REGISTRATION	CONCIERGE DESK EAST
	6:00 P.M. - 7:00 P.M.	OPENING RECEPTION <i>Appetizers Co-Sponsored by Curtiss-Wright Flow Control and Invensys Process Systems Hosted Beer/Wine/Soft Drinks Sponsored by Invensys Process Systems Blended Bars Sponsored by AREVA NP, Inc.</i>	VENDOR TECHNOLOGY EXPO
	7:00 P.M. - 8:30 P.M.	DINNER <i>Co-Sponsored by EXCEL Services Corporation Hosted Beer/Wine/Soft Drinks Sponsored by EPM (Engineering Planning and Management, Inc.)</i>	CUMBERLAND BALLROOM
	8:30 P.M. - 10:00 P.M.	DESSERT and CORDIAL RECEPTION <i>Co-Sponsored by Mitsubishi Heavy Industries, Ltd.</i>	VENDOR TECHNOLOGY EXPO
MONDAY, AUGUST 6, 2007	7:00 A.M. - 4:30 P.M.	MEETING REGISTRATION	CONCIERGE DESK EAST
	7:30 A.M. - 8:30 A.M.	CONTINENTAL BREAKFAST <i>Sponsored by Entergy</i>	VENDOR TECHNOLOGY EXPO
	8:30 A.M. - 12:00 P.M.	PLENARY SESSION "Staying Focused"	CUMBERLAND A & B
	10:00 A.M. - 10:30 A.M.	REFRESHMENT BREAK	VENDOR TECHNOLOGY EXPO
	12:00 P.M. - 1:30 P.M.	WALK-AROUND LUNCHEON <i>Co-Sponsored by Lockheed Martin and Washington Group International</i>	VENDOR TECHNOLOGY EXPO
	1:30 P.M. - 5:00 P.M.	TECHNICAL SESSIONS ENGINEERING/ EQUIPMENT RELIABILITY: "Equipment Reliability Process, It's More Than PMO"	CONFERENCE 1 & 2
		ENGINEERING/MODIFICATIONS: "Managing Temporary Changes to Plant Configuration"	CUMBERLAND A
		EXECUTIVE: "Addressing an Aging Workforce - Workforce Planning, Recruiting, Employee Development, and Retention Strategies"	CUMBERLAND B
		OPERATIONS (POSTER SESSION): "Best Practices - Tools, Tips and Tricks"	AMELIA FOYER
		OVERSIGHT/QUALITY ASSURANCE: "Implementing New Plant Construction"	OSSABAW
PERFORMANCE IMPROVEMENT: "CAP - Corrective Action Program, 'How We Find and Fix Our Problems'"		CONFERENCE 4 & 5	
REGULATORY RELATIONS: "Reactor Oversight Process: Cross-Cutting Issues and Implementation of Safety Culture Enhancements"		TALBOT	
RISK MANAGEMENT: "Regulatory Guide 1.200"	CUMBERLAND C		
WORK MANAGEMENT: "Supply Chain/Work Management Interface"	SPELO		
2:30 P.M. - 3:00 P.M.	AFTERNOON REFRESHMENT BREAK	VENDOR TECHNOLOGY EXPO	

Condensed Conference Schedule

DATE	TIME	EVENT/SESSION	LOCATION
TUESDAY, AUGUST 7, 2007	7:00 A.M. - 4:30 P.M.	MEETING REGISTRATION	CONCIERGE DESK EAST
	7:00 A.M. - 8:30 A.M.	SUNRISE BREAKFAST <i>Sponsored by Sargent & Lundy</i>	OCEANVIEW TERRACE
	8:30 A.M. - 12:00 P.M.	TECHNICAL SESSIONS	CONFERENCE 1 & 2
		ENGINEERING/EQUIPMENT RELIABILITY:	"Equipment Reliability, Results and Lessons Learned"
		ENGINEERING/MODIFICATIONS:	CUMBERLAND A
		"Managing Operating & Design Margins - Challenges Today & a Challenge for Tomorrow"	
		NUCLEAR ASSET MANAGEMENT:	CUMBERLAND B
		"Techniques to Improve Business Management at Nuclear Stations"	
		OVERSIGHT/QUALITY ASSURANCE:	OSSABAW
		"Monitoring Vendor Performance"	
	PERFORMANCE IMPROVEMENT:	CONFERENCE 4 & 5	
	"Performance Monitoring, Identifying Gaps in Performance"		
	REGULATORY RELATIONS:	TALBOT	
"Getting Ready Early: New Reactor Pre-Application Interactions with the NRC"			
RISK MANAGEMENT:	CUMBERLAND C		
"Risk Informed Applications"			
WORK MANAGEMENT:	SAPELO		
"Performance Improvement"			
10:00 A.M. - 10:30 A.M.	REFRESHMENT BREAK	VENDOR TECHNOLOGY EXPO	
12:00 P.M. - 1:30 P.M.	WALK-AROUND LUNCHEON <i>Co-Sponsored by Enercon Services, Inc. and Westinghouse Electric Company</i>	VENDOR TECHNOLOGY EXPO	
1:30 P.M. - 5:00 P.M.	SPECIAL PANEL SESSION: "Expanding the Fleet"	CUMBERLAND BALLROOM	
2:30 P.M. - 3:00 P.M.	AFTERNOON REFRESHMENT BREAK	VENDOR TECHNOLOGY EXPO	
4:30 P.M. - 6:30 P.M.	RECEPTION <i>Sponsored by the Technology Expo Vendors Hosted Bars During Reception Sponsored by SAP America</i>	VENDOR TECHNOLOGY EXPO	
WEDNESDAY, AUGUST 8, 2007	7:00 A.M. - 11:30 A.M.	MEETING REGISTRATION	CONCIERGE DESK EAST
	7:30 A.M. - 8:30 A.M.	CONTINENTAL BREAKFAST <i>Sponsored by HF Controls Corporation</i>	VENDOR TECHNOLOGY EXPO
	8:30 A.M. - 12:00 P.M.	TECHNICAL SESSIONS	CUMBERLAND B
		ENGINEERING/ CONFIGURATION MANAGEMENT:	"Successful Configuration Management Organizations"
		OPERATIONS:	SAPELO
		"The Future Begins Now - But Are the Operating Organizations Ready?"	
		OVERSIGHT/QUALITY ASSURANCE:	OSSABAW
		"Executing Nuclear Quality Globally: Perspectives of NSSS/(A/E) Partnerships for New Plant Construction"	
		PERFORMANCE IMPROVEMENT:	CONFERENCE 4 & 5
		"Organizational Learning Through Operating Experience"	
REGULATORY RELATIONS:	TALBOT		
"Generic Issue Resolution: An Assessment of the Processes"			
RISK MANAGEMENT:	CUMBERLAND C		
"PRA Requirements for New Plants Licensed Under Part 52"			
WORK MANAGEMENT:	CONFERENCE 1 & 2		
"The Next Step in Work Management-Improving Efficiency"			
10:00 A.M. - 10:30 A.M.	REFRESHMENT BREAK <i>Sponsored by IBM Maximo</i>	AMELIA FOYER	
12:00 P.M. - 1:30 P.M.	WRAP-UP LUNCHEON	CUMBERLAND A	
1:30 P.M. - 5:00 P.M.	SPECIAL SESSION: "Interactive Roundtable Session: New Reactors-Plans and Progress"	AMELIA 1	
THURSDAY, AUGUST 9, 2007	8:00 A.M. - 4:00 P.M.	PROFESSIONAL DEVELOPMENT WORKSHOP "Root Cause Analysis for Safety Culture and Human Performance Improvement"	OSSABAW

Conference Information



Accommodations and Hotel Information

The Amelia Island Plantation will be the location for the 2007 Utility Working Conference, where all meeting activities and technical sessions will take place. Amelia Island Plantation is Florida's premier AAA-Four Diamond destination island resort in perfect harmony with nature.

Local Attractions and Activities

One of America's few remaining unspoiled island paradises, Amelia Island is the southernmost of the chain of Atlantic coast barrier islands that stretch from North Carolina to Florida. Its rich history, 13 miles of uncrowded beaches, lush, natural setting, moss-covered oaks, unparalleled golf, boating, and fishing, stunning sunrises and sunsets, and friendly "locals" make it more than just a place to visit.

The Island offers its guests its jealously guarded natural beauty, the charm of yesteryear, and an almost unlimited range of sports and leisure opportunities.

Conference Registration

Registration is required for all attendees and presenters.

Badges are required for admission to all events. The Conference Registration fee includes one ticket to each of the following events: Sunday Welcome Reception/Dinner; Monday, Tuesday and Wednesday Luncheons; and a copy of the available meeting materials on a CD-Rom.

NOTE: Additional tickets can be purchased at the ANS Registration Desk for the Sunday Welcome Reception/Dinner; Monday, Tuesday and Wednesday Luncheons; and the Thursday Luncheon (ANS Professional Development Workshop).

Registration Hours:

The Conference Registration Desk will be located in the Amelia Foyer at the Amelia Island Plantation Convention Center. You may register, purchase tickets for events, or pick up your registration packet during the following hours:

SUNDAY, AUGUST 5, 2007
3:00 p.m. - 7:00 p.m.

MONDAY, AUGUST 6, 2007
7:00 a.m. - 4:30 p.m.

TUESDAY, AUGUST 7, 2007
7:30 a.m. - 4:30 p.m.

WEDNESDAY, AUGUST 8, 2007
7:30 a.m. - 11:30 a.m.

Technical Sessions

2007 UTILITY WORKING CONFERENCE AND VENDOR TECHNOLOGY EXPO

"The Future Begins Now"

MONDAY, AUGUST 6, 2007

CONTINENTAL BREAKFAST in the VENDOR TECHNOLOGY EXPO

MONDAY, AUGUST 6, 2007 • 7:30 A.M. - 8:30 A.M.

(Sponsored by Entergy)

PLENARY SESSION • CUMBERLAND A & B

MONDAY, AUGUST 6, 2007 • 8:30 A.M. - 12:00 P.M.

"Staying Focused"

OPENING REMARKS:

Donald Hintz (President, American Nuclear Society)

GENERAL CHAIR'S REMARKS:

Jeffrey Gasser (General Chair, 2007 Utility Working Conference)

KEYNOTE ADDRESS:

Dr. Dale Klein (Chairman, U.S. Nuclear Regulatory Commission)

SPEAKERS:

- KP Lau (Senior Policy Advisor, Senate Committee on Energy and Natural Resources)
- Michael Kansler (President, Entergy Nuclear Operations)
- Chris Crane (President and Chief Nuclear Officer, Exelon)
- George Felgate (Vice President, Plant Operations, INPO)

2007 UWC AWARD PRESENTATIONS:

- 2007 Utility Leadership Award
Marilyn Kray, President, NuStart
In recognition of valuable contributions as an early champion of the nuclear renaissance in leading the effort to develop the first Early Site Permit to be submitted and approved, in first fostering the organization of NuStart as an industry consortium to preserve the nuclear option and then serving as President of NuStart to promote plant standardization and industry cooperation, and in being very active as a nationally-recognized industry spokesperson on the benefits of nuclear power.
- 2007 Utility Achievement Award for Sustained Outstanding Performance
LaSalle County Station
In recognition of prolonged world-class performance in safety, reliability, and operational excellence as demonstrated by holding the top two records worldwide for longest continuous runs of light water reactors (739 days for Unit 1 and 711 days for Unit 2), accumulating seven million person-hours without a lost-time accident and two million person-hours without an OSHA-recordable accident, and achieving top quartile performance in controlling collective radiation exposure.
- 2007 Utility Achievement Award for Outstanding Improvement in Performance
Browns Ferry Nuclear Plant
In recognition of the most extensive restart effort in the nuclear industry, culminating in the successful return to service of Unit 1 as the first nuclear generating plant to come online in more than a decade.

REFRESHMENT BREAK in the VENDOR TECHNOLOGY EXPO

MONDAY, AUGUST 6, 2007 • 10:00 A.M. - 10:30 A.M.

Technical Sessions

WALK-AROUND LUNCHEON in the VENDOR TECHNOLOGY EXPO

MONDAY, AUGUST 6, 2007 • 12:00 P.M. - 1:30 P.M.

(Co-Sponsored by Lockheed Martin and Washington Group International)

ENGINEERING/EQUIPMENT RELIABILITY • CONFERENCE 1 & 2

MONDAY, AUGUST 6, 2007 • 1:30 P.M. - 5:00 P.M.

SESSION ORGANIZER:

Daniel Strong (*Lead Engineer, Progress Energy*)

"Equipment Reliability Process, It's More Than PMO"

This session will explore new developments in applying the various processes that impact Equipment Reliability. The session will reflect some new strategies and some proven strategies with a new approach. An important part of this session will look at how to make these processes fit together and last a long time.

SPEAKERS:

- "Single Point Vulnerabilities - Analysis and Benchmarking Results (Modifications)"
Mark Baker (*Senior Consulting Engineer, PG&E, Diablo Canyon Power Plant*)
- "Life Cycle Management at San Onofre"
John Ramsdell (*Supervisor, Engineering Programs, San Onofre Nuclear Generating Station*)
- "Fleet-level Pilot of Intelligent Monitoring"
Elliott Flick (*Director, Corporate Plant Engineering, Exelon Generation Company*)
- "INPO Perspectives on Equipment Reliability"
David Hembree (*Manager, Engineering/Configuration Management, INPO*)

ENGINEERING/MODIFICATIONS • CUMBERLAND A

MONDAY, AUGUST 6, 2007 • 1:30 P.M. - 5:00 P.M.

SESSION ORGANIZER:

Rick Harris (*Senior Engineer, Duke Energy*)

"Managing Temporary Changes to Plant Configuration"

This session will address different kinds of temporary configuration changes at nuclear power plants. In addition to temporary plant modifications that are handled as a subset of the modification process, utility speakers will also look at temporary changes to the plant configuration that are permitted outside of the modification process. These are pre-engineered changes that are typically performed under programs and procedures, such as lifted leads and jumpers, scaffolding, lead shielding, fluid leak management and temporary power. These changes are made to SSCs that remain in service, unlike Temporary Alterations described in the Maintenance Rule that apply to SSCs that are out of service.

SPEAKERS:

- "INPO Perspectives on Temporary Changes"
David Hembree (*Manager, Engineering/Configuration Management, INPO*)
- "Temporary Mods at Prairie Island"
Rick Mella (*Design Electrical and I&C Engineering Supervisor, Prairie Island*)
- "Temporary Changes to the Facility: The Application of 10CFR50.59 and 50.65(a)(4)"
Gabe Gardner (*Civil Engineering Design Supervisor, Cooper Station, Nebraska Public Power District*)
- "Control and Implementation of Temporary Modifications at St. Lucie"
Jim Porter (*Design Manager, St. Lucie, Florida Power & Light Company*)

EXECUTIVE TRACK • CUMBERLAND B

MONDAY, AUGUST 6, 2007 • 1:30 P.M. - 5:00 P.M.

"Addressing an Aging Workforce - Workforce Planning, Recruiting, Employee Development, and Retention Strategies"

The state of the industry's ability to sustain safe and effective fleet performance is dependent on a robust and knowledgeable workforce. The current demographics of the industry indicate up to 27% of the workforce is eligible to retire in the

EXECUTIVE TRACK (continued)

next 5 years - and up to 47% could retire in the next 10 years. When coupled with the potential staffing needs for new construction, the ability to attract qualified new personnel, while retaining and keeping the current workforce engaged, is requiring the use of innovative methods and policies. This session shall explore the actions that senior executives see as necessary to achieve current and future goals. The executives will share what has been successful in the past, future plans, and insight into how successful organizations are addressing these needs.

SPEAKERS:

- "The NRC Strategic Workforce & Human Capital Plans"
Luis Reyes (*Executive Director for Operations, U.S. Nuclear Regulatory Commission*)
- "Implementing an Integrated Strategy to Maintain a World Class Workforce"
Diana Sorfleet (*Vice President of Human Resources & Administration, Exelon Generation Company, LLC*)
- "Industry Workforce and Staffing"
Carol Berrigan (*Director, Industry Infrastructure, Nuclear Energy Institute*)
- "Building Tomorrow Today: Sustaining Expertise While Changing Talent"
Dallas Frey (*Director, Staffing & Organization Development, Westinghouse Electric Company*)

OPERATIONS • AMELIA FOYER

MONDAY, AUGUST 6, 2007 • 1:30 P.M. - 5:00 P.M.

SESSION ORGANIZERS:

- Jim Henry (*Director, Operations, Exelon Generation Company LLC*)
- Marty McCormick (*Retired Plant Manager, Limerick Station, Exelon*)

"Best Practices - Tools, Tips, and Tricks"-Poster Session

This session will explore new tools, helpful tips, and clever tricks for achieving and sustaining strong performance in Operations. This showcase of selected best practices will emphasize the sharing of experience with the potential for duplication of successes elsewhere. Topics are expected to range from labor-saving techniques for performing common tasks to novel approaches for conducting essential operations. Plants will be asked to self-identify areas in Operations that have exhibited strong performance or where measurable improvements have recently been made. Attendees will discuss the fundamental reasons for success, as identified by the plants. With an eye for the future, the plants will also be asked to identify areas for improvement that may be planned for the coming year.

POSTER PRESENTATIONS:

- "Line Management Engagement In Training To Improvement Effectiveness,"
Crystal River 3, Progress Energy Florida, Inc.
- "Phoenix-An Integrated Approach to Incorporating Reference Material,"
Shearon Harris Nuclear Plant, Progress Energy Carolinas, Inc.
- "Operations and Work Management,"
San Onofre Nuclear Generation Station, Southern California Edison Company
- "Oyster Creek Operations Performance Improvement,"
Oyster Creek Nuclear Generating Station, AmerGen Energy Company
- "ILT Mentoring,"
Peach Bottom Atomic Power Station, Exelon Generation Company
- "Operations Dose Reduction Initiative,"
LaSalle County Station, Exelon Generation Company
- "REMA Process," Limerick Generating Station, Exelon Generation Company
- "Switchyard Risk Control," Exelon Corporate
- "Summer/Winter Readiness Preparations," Exelon Corporate
- "Reactivity Management," Exelon Corporate
- "Configuration Control Management," Exelon Corporate

OVERSIGHT/QUALITY ASSURANCE • OSSABAW

MONDAY, AUGUST 6, 2007 • 1:30 P.M. - 5:00 P.M.

SESSION ORGANIZER:

Jeannie Rinckel (*Vice President, Fleet Oversight, FirstEnergy Corporation*)

Technical Sessions

OVERSIGHT/QUALITY ASSURANCE (continued)

"Implementing New Plant Construction"

This session will center around new plant construction relative to quality assurance standards and practices. One utility's perspective will be presented concerning the challenges to managing foreign vendors. NEI industry's initiative will be presented to identify plans for implementing new plant construction standards. Additionally, a presentation by INPO on past construction experience as it relates to quality assurance to learn from the past to avoid repeating.

SPEAKERS:

- "The Global Challenge for Vendor Oversight"
Mark McBurnett (*Vice President, Oversight and Regulatory Affairs, Units 3 & 4, South Texas Project Nuclear Operating Company*)
- "Title - T/B/D" — Jim Fisicaro (*NEI Task Force, New Nuclear Vendors*)
- "Lessons Learned from Past Construction Practices"
Jim Maddox (*Director, New Plant Deployment Program, INPO*)
- "Regulatory Perspectives on New Plant Construction"
Glenn Tracy (*Director, Division of Construction, Inspection and Operational Programs, U.S. Nuclear Regulatory Commission*)

PERFORMANCE IMPROVEMENT • CONFERENCE 4 & 5

MONDAY, AUGUST 6, 2007 • 1:30 P.M. - 5:00 P.M.

SESSION ORGANIZER:

Mike Verrilli (*Corporate Self Evaluation Unit Supervisor, Progress Energy*)

"CAP (Corrective Action Program): 'How We Find and Fix Our Problems'"

The corrective action program is the fundamental cornerstone for continuous plant performance improvement. Across the nuclear industry, CAP has evolved far beyond the basic requirements of 10CFR50 Appendix B Criteria 16, to become a true performance improvement process that promotes a self critical and self identifying culture. A well implemented CAP program becomes core business for plant employees and serves as the vehicle to enable a strong nuclear safety culture.

SPEAKERS:

- "What is Apparent Cause"
Roman Estrada (*Corrective Action and Assessment Manager, Cooper Station - Nebraska Public Power District*)
- "Governing the Corrective Action Program"
Joe Bell (*CAP Manager, Tennessee Valley Authority*)
- "Evolution to Safety Culture"
Mike Verrilli (*Corporate Self Evaluation Unit Supervisor, Progress Energy*)
- "CAP, The Cornerstone to Regulatory Success"
(*Group discussion facilitated by the session organizer*)

REGULATORY RELATIONS • TALBOT

MONDAY, AUGUST 6, 2007 • 1:30 P.M. - 5:00 P.M.

SESSION ORGANIZER:

Jim Anderson (*Branch Chief, Division of Assessment and Regional Support, Office of New Reactors, U.S. Nuclear Regulatory Commission*)

"Reactor Oversight Process: Cross-Cutting Issues and Implementation of Safety Culture Enhancements"

This session will look at the NRC's inspection and assessment programs, with an emphasis on cross-cutting issues and how they are used in the NRC's reactor oversight process. The session will also look at the enhancements made to the inspection program to further address safety culture and some data since the July 2006 implementation of those enhancements.

SPEAKERS:

- John Butler (*Director, Safety Focused Regulation, Nuclear Energy Institute*)
- Jim Anderson (*Branch Chief, Division of Assessment and Regional Support, Office of New Reactors, U.S. Nuclear Regulatory Commission*)
- Victor McCree (*Deputy Regional Administrator for Operations, Region II, U.S. Nuclear Regulatory Commission*)
- Greg Halnon (*Director of Fleet Regulatory Affairs, FirstEnergy*)

RISK MANAGEMENT • CUMBERLAND C

MONDAY, AUGUST 6, 2007 • 1:30 P.M. - 5:00 P.M.

Probabilistic Risk Assessment methods and approaches have been used over the last two decades as both a regulatory and industry tool for informing decision-makers on a variety of issues such as event analysis, equipment performance, testing programs, and maintenance optimization programs. PRA models that have generally been used in the past for specific programs and situations have now evolved in both quality and maturity to the point that a growing risk management discipline is capable of informing decision-makers over a wide spectrum of issues and programs, both regulatory and non-regulatory. The UWC Risk Management sessions are structured to communicate new regulatory expectations, significant risk informed applications recently approved, and the role of PRA for new plants licensed under Part 52.

SESSION ORGANIZER:

Rick Grantom (*Manager, Risk Management, South Texas Project Nuclear Operating Company*)

"Regulatory Guide 1.200, Rev. 1 - Issues and Implications for PRA Programs, Processes, and Risk Informed Applications"

Regulatory Guide 1.200, Rev.1 now formalizes regulatory expectations for PRA programs and processes and will affect all utilities. The impacts of compliance, as well as changes to regulatory processes, are expected to be areas of strategic focus over the next few years for utility management. This session will discuss the issues and new regulatory expectations associated with RG 1.200, Rev. 1, as well as provide an understanding of the role of Codes and Standards.

SPEAKERS:

- Biff Bradley (*Senior Project Manager, Nuclear Energy Institute*)
- Mary Drouin (*U.S. Nuclear Regulatory Commission*)
- "Risk-based Regulation: Panacea or Anathema?"
Doug True (*President, Erin Engineering*)
- "NRC Perspective on Risk-Informed Technical Specifications: Enhancing Safety and Advancing PRA Scope and Quality"
Andrew Howe (*Senior Reliability and Risk Analyst, NRR, U.S. Nuclear Regulatory Commission*)
- "The Making of the Next Generation of Risk Professionals"
Ken Canavan (*Program Manager, Risk and Asset Management, Electric Power Research Institute*)

WORK MANAGEMENT • SAPELO

MONDAY, AUGUST 6, 2007 • 1:30 P.M. - 5:00 P.M.

SESSION ORGANIZER:

Pete Arthur (*Senior Evaluator, Maintenance and Work Management, FirstEnergy/INPO*)

"Supply Chain/Work Management Interface"

As stations look for opportunities to improve their work management process, support organizations such as the supply chain will play a key role in the success of the work management process and equipment reliability. This session will discuss creative initiatives that stations have taken to improve work management and supply chain interface to lower station costs and improve overall work management efficiencies.

SPEAKERS:

- "Work Control vs. Inventory Control"
Hrach Minassian (*Senior Category Manager, Exelon*)
- "Contingency Spares"
Marc Tannenbaum (*Project Manager, Electric Power Research Institute*)
- "Spare Optimization Using Simplified Risk Analysis Methods"
Timothy Schlimpert (*Vice President, Nuclear Generation, MCR Performance Solutions, LLC*)

AFTERNOON REFRESHMENT BREAK in the VENDOR TECHNOLOGY EXPO

MONDAY, AUGUST 6, 2007 • 2:30 P.M. - 3:00 P.M.

Technical Sessions

TUESDAY, AUGUST 7, 2007

SUNRISE BREAKFAST • OCEANVIEW TERRACE

TUESDAY, AUGUST 7, 2007 • 7:00 A.M. - 8:30 A.M.

(Sponsored by Sargent & Lundy)

ENGINEERING/EQUIPMENT RELIABILITY • CONFERENCE 1 & 2

TUESDAY, AUGUST 7, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Daniel Strong *(Equipment Reliability Lead, Progress Energy)*

"Equipment Reliability, Results and Lessons Learned"

This session will explore what we have learned during the ER journey. The session will consider new ways to monitor our plants. An important part of this session will look at where experience has revealed new learning. Some of the most important lessons tell us what not to do again.

SPEAKERS:

- "PM Lessons - Smarter is Cheaper"
Kenneth Hart *(Preventive Maintenance Engineer, PPL Susquehanna, LLC)*
- "TVA Lessons Learned"
Gary Boyles *(Manager, Equipment Reliability, Tennessee Valley Authority)*
- "Lessons Learned, Tubing Failures"
Zvi Eisenberg *(Senior Engineer, Exelon Generation Company)*
- "Future of Equipment Reliability in the Nuclear Industry"
Bryan Griner *(Fleet Equipment Reliability Manager, Southern Nuclear Operating Company)*

ENGINEERING/MODIFICATIONS • CUMBERLAND A

TUESDAY, AUGUST 7, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Rick Harris *(Senior Engineer, Duke Energy)*

"Managing Operating and Design Margins—Challenges Today and a Challenge for Tomorrow"

This session will focus on the importance of understanding and managing Operational and Design margins at Nuclear Power Stations. Due to plant modifications, equipment aging, station power uprates, new design requirements and analytical deficiencies, managing margin issues has never been more important. Speakers from utilities will give case studies and provide their perspective on the importance of managing margins as well as how it is currently being handled at their station and in the Industry. This session will emphasize the importance of total site understanding and ownership which is required for a successful Margin Management process.

SPEAKERS:

- "INPO Perspectives on Current Margin Issues"
Dave Hembree *(Manager, Engineering/Configuration Management, INPO)*
- "Margin Management at Columbia Generating Station"
Bill LaFramboise *(Design Engineering Manager, Columbia Generating Station, Energy Northwest)*
- "Margin Management at Davis-Besse"
Ken Byrd *(Design Engineering Manager, Davis Besse, FirstEnergy)*
- "Case Studies: Margin Issues at McGuire Nuclear Station"
Rick Harris *(Senior Engineer, Duke Energy)*

NUCLEAR ASSET MANAGEMENT • CUMBERLAND B

TUESDAY, AUGUST 7, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Ken Riches *(Strategic Planning Project Manager, American Electric Power)*

NUCLEAR ASSET MANAGEMENT (continued)

"Techniques to Improve Business Management at Nuclear Stations"

The state of plant and fleet performance is faced with challenges that impact current and future production plans. Challenges to the industry include both human and capital assets. Nuclear Asset Management (NAM) is the process of making operational, resource allocation, and risk management decisions at all levels of a nuclear generation business which maximize nuclear power plant value to stakeholders, while maintaining safety to the public and to the plant staff. Stakeholders include electricity users (safe, reliable, and affordable electricity), nuclear generating companies (profitability in a risky marketplace) and company employees (challenging, rewarding, and stable jobs). The goal of this session is to highlight activities that are under way within the industry which create and maintain a collaborative working environment, data structure and methodology for business management in commercial nuclear power stations. This facilitates the sharing and development of effective financial and physical asset management processes, methods, models, and tools within and for the nuclear power industry. By sharing good practices and initiatives, the nuclear industry can optimize efficiencies, maximize reliability, and improve productivity. The ability to attract and retain qualified personnel to meet current and projected staffing needs, retention of knowledge from a transitioning workforce, and keeping the current workforce engaged will require innovative methods and policies. Material, parts, equipment reliability improvements, corporate risk management, and specialty skills must be available at reasonable cost and volume to support current operations and potential expansion. This session will explore the developing industry vision of actions that are necessary to achieve current and future goals.

SPEAKERS:

- "Asset Management/Long Range Planning Maturity Model"
Ken Riches *(Strategic Planning Project Manager, American Electric Power)*
- "EUCG Reporting and Gap Analysis"
Ken Riches *(Strategic Planning Project Manager, American Electric Power)*
- "Nuclear Workforce Planning"
Ken Riches *(Strategic Planning Project Manager, American Electric Power)*
- "Nuclear Component Pipeline"
William Fox *(Vice President, AREVA NP, Inc.)*

OVERSIGHT/QUALITY ASSURANCE • OSSABAW

TUESDAY, AUGUST 7, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Joe Giocondi *(Nuclear Supplier Quality Supervisor, FirstEnergy)*

"Monitoring Vendor Performance"

This session will center around vendor performance monitoring from the industry, utility, and vendor perspective. It will identify the process by which recent industry data is used by NUPIC to evaluate and trend vendor performance in order to adjust the level of oversight to correlate with the trend. It will present a method to use by one utility to evaluate performance of suppliers to strengthen relationships with suppliers to work towards mutually defined goals and objectives. It will highlight a process used by one vendor to insure its customer's expectations are effectively communicated, understood and monitored to sub-tier suppliers.

SPEAKERS:

- "NUPIC Vendor Performance Monitoring Process"
Wendy Waltz *(Vendor & EquipQuality Supervisor, PGN)* and
Sherry Grier *(Procurement Quality Manager, Duke Energy)*
- "Utility's Supplier Performance Management Program"
Dave Kostiha *(Consultant Portfolio Mgmt., Supply Chain, FirstEnergy Corp)*
- "Merging Sub-Supplier Quality Performance and Utility Customer Expectations"
Terry Casteel *(Manager, Global Supplier Quality, Westinghouse Electric Company)*
- "Title - T/B/D" – Marc Tannenbaum *(Project Manager, Electric Power Research Institute)*

Technical Sessions

PERFORMANCE IMPROVEMENT • CONFERENCE 4 & 5 TUESDAY, AUGUST 7, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Ralph Drier (*Senior Performance Improvement Analyst, Cooper Nuclear Station, Nebraska Public Power District*)

"Performance Monitoring, Identifying Gaps in Performance"

Performance monitoring activities identify gaps between current levels of performance and desired management or industry standards. Performance monitoring includes a mix of both proactive and reactive components. Proactive components are used to identify opportunities for improvement and precursor-level problems before they become larger organizational issues. Proactive activities include self-assessment, benchmarking, trending and performance assessment, behavior observation and use of low-level performance indicators. Reactive methods include problem reporting, effectiveness reviews, and use of high level performance indicators. This session will focus on innovative and effective performance monitoring activities.

SPEAKERS:

- "Real Time Monitoring of Safety Culture"
William Corcoran (*President, Nuclear Safety Review Concepts Corporation*)
- "Performance Assessment Process at Cooper Nuclear Station"
Ralph Drier (*Senior Performance Improvement Analyst, Cooper Nuclear Station - Nebraska Public Power District*)
- "Incorporating Independent Oversight with Station Performance Improvement Efforts"
Jerry Roberts (*NSA Director, River Bend Station - Entergy*)
- "Supervisory and Peer Behavior Observations, What Works?"
(*Group discussion facilitated by the session organizer*)

REGULATORY RELATIONS • TALBOT

TUESDAY, AUGUST 7, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION CHAIR:

David Matthews (*Director, Division of New Reactor Licensing, Office of New Reactors, U.S. Nuclear Regulatory Commission*)

SESSION ORGANIZER:

Donna Williams (*Technical Assistant to the Office Director, Office of New Reactors, U.S. Nuclear Regulatory Commission*)

"Getting Ready Early: New Reactor Pre-Application Interactions with the NRC"

The NRC and the industry face a significant challenge this fall when the first wave of combined license applications are submitted (as many as 17 applications could be submitted in the first year). In order to conduct several of these major licensing reviews simultaneously, the NRC and industry have recognized that adequate preparation is key. As part of this preparation, the NRC is conducting optional pre-application reviews for prospective applicants. This session will discuss newly-developed processes for these reviews including: site suitability and geological characterization, environmental impact evaluations, jurisdictional issues, operational program reviews, and QA/vendor/procurement activities. The goal of this interactive session is to inform the audience and to solicit their feedback and viewpoints on the new processes.

SPEAKERS:

- Glenn Tracy (*Director, Division of Construction Inspection & Operational Programs, Office of New Reactors, U.S. Nuclear Regulatory Commission*)
- Jim Lyons (*Director, Division of Siting & Environmental Review, Office of New Reactors, U.S. Nuclear Regulatory Commission*)

RISK MANAGEMENT • CUMBERLAND C

TUESDAY, AUGUST 7, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Greg Krueger (*Senior Manager, Risk Management, Exelon Nuclear*)

RISK MANAGEMENT (continued)

"Risk Informed Applications – You Ain't Seen Nothin' Yet"

This session is structured to update regulatory and industry participants on significant recently approved risk informed applications associated with Technical Specifications. Specifically, Technical Specification initiatives 4B (Flexible AOTs) and 5B (Surveillance Testing Program). Also, covered in this session is an update to new industry activities associated with 10CFR50.69 on Special Treatment Requirements.

SPEAKERS:

- "Risk Managed Technical Specification"
Rick Grantom (*Manager, Risk Management, South Texas Project, Nuclear Operating Company*)
- "The Costs and Benefits of a Risk-Informed Surveillance Frequency Control Program"
Greg Krueger (*Senior Manager, Risk Management, Exelon Nuclear*)
- Glen Schinzel (*Project Manager, South Texas Project, Nuclear Operating Company*)
- "Risk Informed Fire Protection NFPA 805 Pilot Insights"
Bob Rishel (*PRA Supervisor, Progress Energy*)

WORK MANAGEMENT • SAPELO

TUESDAY, AUGUST 7, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Rey Gonzalez (*Project Manager, Performance Assessment Work Control, San Onofre, Southern California Edison Company*)

"Performance Improvement"

The ultimate goal at any nuclear power plant is the safe and reliable operation of the plant, while meeting corporate objectives. Day to day activities must be implemented by performing the work, managing the risk and effectively critiquing the process. The role of any strong, self-critical, learning organization is to not only perform the work, but also to constantly look for ways of improvement. This session will discuss how plants constantly improve their performance in work management, through review processes like work week critiques. The session will also cover ways to strategically or proactively align and/or adjust to changing regulations, revised corporate direction and significant program issues.

SPEAKERS:

- Rey Gonzalez (*Project Manager, Performance Assessment Work Control, San Onofre, Southern California Edison Company*)
- Justin Tupik (*General Supervisor, Integrated Online Scheduling, Constellation Energy/Calvert Cliffs*)
- Neal Johnson (*Planning Superintendent, James A. Fitzpatrick NPP, Entergy Nuclear*)

REFRESHMENT BREAK in the VENDOR TECHNOLOGY EXPO

TUESDAY, AUGUST 7, 2007 • 10:00 A.M. - 10:30 A.M.

WALK-AROUND LUNCHEON in the VENDOR TECHNOLOGY EXPO

TUESDAY, AUGUST 7, 2007 • 12:00 P.M. - 1:30 P.M.

(Co-Sponsored by Enercon Services, Inc. and Westinghouse Electric Company)

SPECIAL PANEL SESSION • CUMBERLAND BALLROOM

TUESDAY, AUGUST 7, 2007 • 1:30 P.M. - 4:30 P.M.

"Expanding the Fleet"

PANELISTS:

- Buzz Miller (*Senior Vice President, Nuclear Development, Southern Nuclear Operating Company*)
- H. Brew Barron (*Group Executive and Chief Nuclear Officer, Duke Energy*)
- J. Joseph Sheppard (*President & Chief Executive Officer, South Texas Project, Nuclear Operating Company*)
- Luis Reyes (*Director of Operations, U.S. Nuclear Regulatory Commission*)
- Carol Berrigan (*Director of Industry Initiatives, Nuclear Energy Institute*)

Technical Sessions

AFTERNOON REFRESHMENT BREAK in the VENDOR TECHNOLOGY EXPO

TUESDAY, AUGUST 7, 2007 • 2:30 P.M. - 3:00 P.M.

RECEPTION in the VENDOR TECHNOLOGY EXPO

TUESDAY, AUGUST 7, 2007 • 4:30 P.M. - 6:30 P.M.

(Sponsored by Technology Expo Vendors)

(Hosted Beer and Wine Sponsored by SAP America)

WEDNESDAY, AUGUST 8, 2007

CONTINENTAL BREAKFAST in the VENDOR TECHNOLOGY EXPO

WEDNESDAY, AUGUST 8, 2007 • 7:30 A.M. - 8:30 A.M.

(Sponsored by HF Controls Corporation)

ENGINEERING/CONFIGURATION MANAGEMENT • CUMBERLAND B

WEDNESDAY, AUGUST 8, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Robert Hess (*Reactor Head Replacement Project, Pacific Gas and Electric Company*)

“Successful Configuration Management Organizations”

There are many different organizational structures at US nuclear power plants. In many of these organizational structures, Configuration Management (CM) responsibility is handled differently. Some plants have CM steering committees, while others have CM Program owners. In many cases CM is handled by the design engineering group. This session will focus on presentations by utility personnel on their plants CM organization and why it works best for them. It is expected that attendees will gain valuable insights into various organizational structures that may be adaptable to their plant organization.

SPEAKERS:

- “Columbia Generating Station CM Organization”
Bill LaFamboise (*Design Engineering Manager, Columbia Generating Station, Energy Northwest*)
- “Configuration Management at SONGS”
Rai Osborne (*Consulting Engineer, SONGS, Southern California Edison Company*)
- “AEP Nuclear Generation - Configuration Control- Organization and Processes”
Douglas Malin (*Manager, Configuration Control, DC Cook Nuclear Station, American Electric Power*)
- “Duke Energy’s Approach to Configuration Management”
Rick Harris (*Senior Engineer, Duke Energy*)

OPERATIONS • SAPELO

WEDNESDAY, AUGUST 8, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Ed Wills (*Manager-Outage & Scheduling, Shearon Harris Plant, Progress Energy*)

“The Future Begins Now—But Are the Operating Organizations Ready?”

New near-term or emerging technologies will either simplify or complicate the conduct of operations, depending upon how well the organization is prepared and willing to adapt. Some staffing and workforce issues are likely to require changes in the organization. Procedures, processes, and practices are constantly subjected to pressure to change, sometimes beyond management’s strict control. What are the logistics in managing change without constantly disrupting the day-to-day activities? When will a proactive strategy of early adoption put you ahead of the game rather than on the bleeding edge? When will a reactive strategy of late adoption provide a clear path forward rather than leaving you in the dust? This session is intended to examine cases of effective and ineffective preparation for anticipated changes in the operating environment.

OPERATIONS (continued)

SPEAKERS:

- Samuel Collins (*Region I Administrator, U.S. Nuclear Regulatory Commission*)
- Jim Holt (*Manager, Operations, Crystal River, Progress Energy Florida*)
- Mark Williams (*Supervisor, AP1000 Operations Procedures, Westinghouse*)

OVERSIGHT/QUALITY ASSURANCE • OSSABAW

WEDNESDAY, AUGUST 8, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Garry Harris (*President, HTS Enterprise, LLC*)

“Executing Nuclear Quality Globally: Perspectives of NSSS/(A/E) Partnerships for New Plant Construction”

This session will provide unique insights and answers to some of the significant issues and questions concerning the formulation and effective implementation of quality assurance programs for designers, manufacturers, constructors and engineering staff engaged in activities with prime Nuclear Steam System Supply (NSSS) vendors and Architectural Engineering firms as it relates to new plant licensing, construction, inspection and testing and initial operations. This session will also discuss the challenges of both design and field implementation of modularization approaches.

SPEAKERS:

“Partnerships in Quality for New Plant Construction and Licensing”

- Michael Gilman (*Quality Assurance Director, The Shaw Group Inc.*)
- Ted Alexovich (*Westinghouse Electric Company*)
- Marc Harvey (*Quality Assurance Manager, Nuclear Plant Projects, GE Nuclear Energy*)
- Tom Mudge (*Westinghouse Electric Company*)
- Michael Morgan (*AREVA*)
- Ross Jolley (*Bechtel*)
- S.J. Kim (*Vice President, Quality, Doosan Heavy Industries and Construction*)

PERFORMANCE IMPROVEMENT • CONFERENCE 4 & 5

WEDNESDAY, AUGUST 8, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Robert Burnett (*Corporate OE Manager, Entergy*)

“Organizational Learning through Operating Experience”

In a self-correcting system, the use of operating experience is continually examined for lessons to be learned. Those lessons are implemented as feedback. When that feedback affects organizational behaviors, we have “organizational learning”. This session will look at techniques used to improve the internalization of Operating Experience such that organizational learning is achieved and a raised bar of Performance is established.

SPEAKERS:

- “Organizational Learning through Operating Experience”
Vincent Coulehan (*Manager, Operating Experience, Entergy Nuclear*)
- “Improving Organizational Learning with Operating Experience”
Dan Sealock (*Operations Training Superintendent, Cooper Station - Nebraska Public Power District*)
- “Leadership Community of Practice – USA Update”
Martin Marquardt (*President, TOSAN, Inc.*)
- “Using Operating Experience in 21st Century Town Hall Meeting”
(*Session Organizer Facilitator and Session Attendees*)

REGULATORY RELATIONS • TALBOT

WEDNESDAY, AUGUST 8, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Christopher Jackson (*Chief, Generic Communication and Power Uprate Branch, Office of New Reactors, U.S. Nuclear Regulatory Commission*)

Technical Sessions

REGULATORY RELATIONS (continued)

"Generic Issue Resolution: An Assessment of the Processes"

The identification of generic issues provides opportunities for the fleet of operating reactors to make real improvements in safety. However, they also pose challenges to both the industry and to the regulator. Adequately communicating the issues and reaching a timely, cooperative resolution can help to increase regulatory stability and decrease burden. This session will include presentations by the industry and the NRC on how we are doing in communicating and addressing generic issues. Topics to be addressed include challenges, lessons learned, and proposed improvements.

SPEAKERS:

- Christopher Jackson (*Chief, Generic Communication and Power Uprate Branch, Office of New Reactors, U.S. Nuclear Regulatory Commission*)
- Alex Marion (*Executive Director, Nuclear Operations & Engineering, Nuclear Energy Institute*)
- William Horin (*Partner, Winston & Strawn*)
- Keith Jury (*Exelon*)

RISK MANAGEMENT • CUMBERLAND C

WEDNESDAY, AUGUST 8, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Greg Krueger (*Senior Manager, Risk Management, Exelon*)

"PRA Requirements and Issues Part 52 – Plants"

PRA information is now a significant part of the licensing basis for new plants licensed under Part 52. This session is structured to update regulatory and industry participants on new regulatory expectations and processes relative DG-1145 for current and potential COL applicants up through plant startup.

SPEAKERS:

- "SAR PRA Section 19: Content, Use and Basis"
James Chapman (*Division Director, Safety and Risk Scientist, Curtiss-Wright Flow Control*)
- "The Lifecycle of a New Reactor PRA During the Part 52 Licensing Process"
Richard Wachowiak (*Technical Lead for ESBWR PRA, General Electric*)
- "New Plant Design Basis Integration: 50.69 Event Criteria Compliance Simplified"
J.K. August (*President, CORE, Inc.*)
- "PRA for New Reactors: Benefits and Challenges"
Don Dube (*Senior Level Advisor, Office of New Reactors, US Nuclear Regulatory Commission*)

WORK MANAGEMENT • CONFERENCE 1 & 2

WEDNESDAY, AUGUST 8, 2007 • 8:30 A.M. - 12:00 P.M.

SESSION ORGANIZER:

Pete Arthur (*Senior Evaluator, Maintenance and Work Management, INPO*)

"The Next Step in Work Management – Improving Efficiency"

As resources become a bigger challenge to perform the required work management scope of work on a routine basis, stations need to obtain a better understanding of where opportunities may exist to improve efficiency. This session will discuss initiatives that have been taken by some stations to better understand the efficiency of maintenance and the interface with work management.

SPEAKERS:

- "Work Management Demand and Supply Models"
Larry Upson (*Work Control Program Manager, Ontario Power Generation*)
- "Supply/Demand Model at St. Lucie"
Jill Thomas (*Cycle Scheduler - Demand Study, St. Lucie, Florida Power and Light Company*)
- "Supply/Demand Model at Nine Mile"
Jimmy O'Connor (*General Supervisor - On-line Work Control, Constellation Energy*)
- "Accurate Resource Estimates Builds Success"
Brian Hartz (*Vice President, Business Development, Day and Zimmermann, NPS*)

REFRESHMENT BREAK

WEDNESDAY, AUGUST 8, 2007 • 10:00 A.M. - 10:30 A.M.

(Sponsored by IBM Maximo)

WRAP-UP LUNCHEON • CUMBERLAND A

WEDNESDAY, AUGUST 8, 2007 • 12:00 P.M. - 1:30 P.M.

SPECIAL PANEL SESSION • AMELIA 1

WEDNESDAY, AUGUST 8, 2007 • 1:30 P.M. - 5:00 P.M.

"Interactive Roundtable Session: New Reactors-Plans and Progress"

A facilitated roundtable dialogue among the executives of the companies involved in the "first wave" of new plant applications will focus on the challenges presented in preparing the new applications, ways to address those challenges, as well as potential improvements to the NRC licensing process. The objective of the roundtable will be to illustrate the major issues associated with preparing licensing applications for new plants. It is anticipated that the roundtable discussion will provide valuable information for the "second wave" applicants, as well as for the U.S. Nuclear Regulatory Commission.

The issues that will be addressed by the roundtable participants will include the process and challenges of preparing "standardized" applications among DCWG participants; the integration of design certification applications and combined license applications; configuration management; ITAAC development and operational program descriptions; potential implementation issues with NRC guidance, including environmental data needs; the NRC acceptance review process and schedule expectations; and community involvement.

THE ROUNDTABLE PARTICIPANTS ARE:

- George Zinke, *Entergy*
- Bryan Dolan, *Duke Energy*
- Rod Krich, *Constellation Energy*
- Scott Soper, *Southern Nuclear Operating Company*
- Greg Gibson, *South Texas Project Nuclear Operating Company, Units 3 and 4*
- Marilyn Kray, *NuStart*
- Joseph Hegner, *Dominion*
- Dave Matthews, *U.S. Nuclear Regulatory Commission*

Although the focus of the discussion will be on the Roundtable participants, the audience will also be invited to provide questions and comments at periodic points during the discussion. The Roundtable will be facilitated by FX. "Chip" Cameron from the U.S. Nuclear Regulatory Commission.

Professional Development Workshop

PROFESSIONAL DEVELOPMENT WORKSHOP

ROOT CAUSE ANALYSIS

for Safety Culture and Human Performance Improvement

Thursday, August 9, 2007 • 8:00 a.m. - 4:00 p.m. • Ossabaw Room

Workshop Organizer and Chief Instructor:

Dr. Bill Corcoran, President, Nuclear Safety Review Concepts, Windsor CT
Telephone: 860-285-8779 • Email: firebird.one@alum.mit.edu

Materials Provided:

- 1) Hard copy of PowerPoint™ Slide Show for note taking
- 2) PowerPoint file of slideshow for use in cascade training in attendees' organizations
- 3) Portable document format (Adobe PDF) file of The Phoenix Handbook, the ultimate investigation manual for finding profit improvement in adverse experience (a \$150.00 value)
- 4) Microsoft Word file of Root Cause Analysis Report template for use at attendees' organizations

What Will Happen:

During this workshop we will journey with the instructor through a safety culture and human performance-oriented approach to event investigation organizational learning. We will take away immediately usable tools that have been applied successfully in the contexts of nuclear power generation, fossil power generation, electric transmission and distribution, natural gas distribution, site remediation, and manufacturing. We will participate in hands-on individual and group work in the actual application of bottom-line

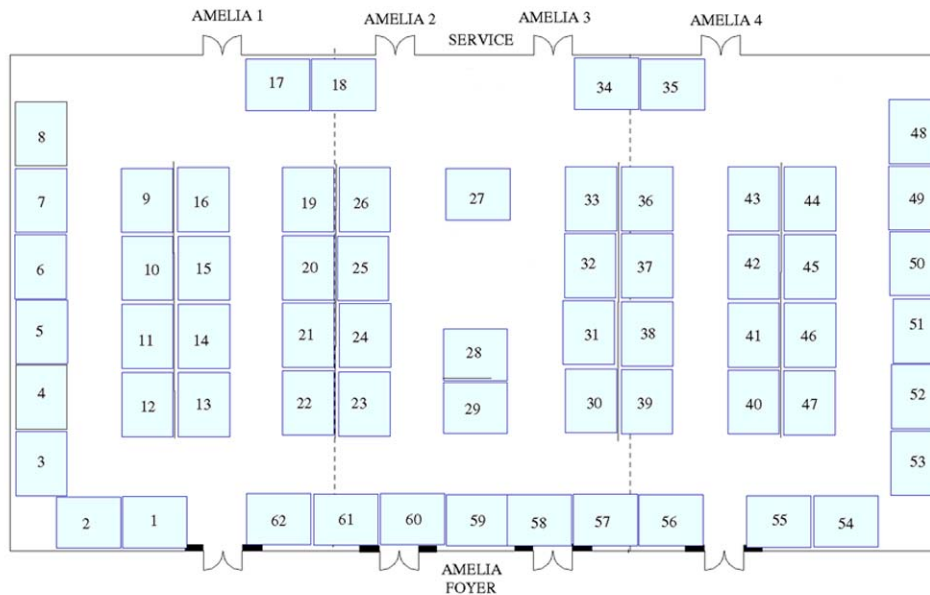
customer focused techniques that take full advantage of investigators' abilities to do out-of-the-box thinking. This workshop will furnish the attendees with a spectrum of immediately applicable action items that will be in full compliance with most existing corrective action programs. Participant-instructor interaction will emphasize the modeling and emulation of proven investigator and management behaviors.

Workshop Topics Will Include:

- Lessons to be Learned from Recent Consequential Events
- Business Incentives for Cost-effective Investigations
- Advance Preparation for Effective Investigation
- Avoiding Fatal Investigation Errors
- Effective Event Investigation Team Formation, Development, and Leadership
- Human Performance Aspects
- Investigative Ethics
- Accommodating Diversity in Team and Customers
- Asking the Right Questions
- What to do Before Management Becomes Enlightened
- Using Event Investigation as a Window into the Culture
- Evaluating Event Investigation Effectiveness
- Evaluating Event Investigation Program Effectiveness

Technical Exhibitors

2007 UTILITY WORKING CONFERENCE VENDOR TECHNOLOGY EXPO FLOOR PLAN



Technical Exhibitors

We would like to extend a special thanks to the following organizations who have made an outstanding contribution to the success of the 2007 UTILITY WORKING CONFERENCE VENDOR TECHNOLOGY EXPO

Alphasource, Inc., Philadelphia, PA (Booth 49)

Alphasource, Inc. is a leading custom manufacturer and distributor of industrial and safety supplies for the Nuclear Power Generation Industry. We offer our award-winning Complete FME Turnkey Program, Tarps and Protective Covers, Safety and Decontamination Supplies, Fall Protection, Confined Space, Lifting and Rigging, Spill Control Products, Towel and Wiping Cloths Program.

American Crane & Equipment Corporation, Douglassville, PA (Booth 58)

American Crane is a leading provider of cranes, hoists, manipulators and specialized lift systems for the commercial nuclear industry. ACECO has significant experience supplying single failure-proof replacement cranes and trolleys for dry spent fuel storage operations. ACECO has performed upgrades of a variety of nuclear plant cranes, including reactor building and turbine cranes. ACECO has a full-time service group to perform maintenance of plant cranes. ACECO has all the in-house capabilities to provide the cranes needed for new plant construction.

American Tank & Fabricating Company, Cleveland, OH (Booth 54)

The American Tank & Fabricating Company has earned a reputation for high quality and excellent service by providing reliable steel solutions to customers since 1940. We offer a unique combination of equipment capabilities, professional staff and quality systems that make us your best choice for nuclear components and materials. Quality systems include: ASME NQA-1, N, NPT, NS, N3, U, U2 & S, NIAC audited. Materials fabricated and supplied include: carbon, stainless, alloy, armor, titanium, zirconium and other advanced materials.

Anderson, Chavet and Anderson (ACA), Avondale, AZ (Booth 16)

ACA is the leading provider of nuclear consulting and technology solutions for Equipment Reliability and plant performance. The ACA solutions solve the critical problems that impact every level of owning and operating a nuclear power station. The ACA engagement can be realized in the areas of increasing company stock price, capital/maintenance budgets, INPO ranking, NRC oversight, nuclear insurance, plant reliability, quality of life and the most important impact, capacity factor. ACA believes that, "as Equipment Reliability goes, so goes plant performance and capacity factor."

AREVA, Lynchburg, VA (Booths 28 & 29)

With manufacturing facilities in over 40 countries and a sales network in over 100, AREVA offers customers technological solutions for highly reliable nuclear power generation and electricity transmission and distribution. AREVA's 58,000 employees engage in the 21st century's greatest challenges: making energy available to all, protecting the planet, and acting responsibly towards future generations.

Argo Turboserve Corp. (ATC), Carlstadt, NJ (Booth 55)

The Utility Services Division (USD) of ATC delivers best-in-class safety-related and non-safety related hardware and services to the utility industry. USD provides customers such as Exelon, PSEG, and Entergy with cost-effective programs, as well as solutions to their obsolescence needs, that enable their plants to operate safely and productively. USD's unique supply chain management services maximize the return on the sales of our customers' surplus/excess inventory, as well as supply chain measures to control future inventory growth.

Bartlett Nuclear, Inc., Plymouth, MA (Booth 20)

Bartlett has over 28 years of experience providing professional, technical, radiation safety, decontamination, facilities maintenance and other services to nuclear, industrial and government facilities nationwide. Bartlett also offers technologies and equipment including automated monitoring systems, portable ventilation systems and Excel scaffold material and management programs.

Bechtel Nuclear Power, Frederick, MD (Booth 26)

Bechtel offers the most complete selection of nuclear support functions available: new nuclear generation/COL support, operating plant services, steam generator replacements, reactor pressure vessel head replacements, plant license renewal and life extension, operations improvement programs, a center of excellence that develops and implements new ideas, and a commitment to nuclear power that started with the industry's inception.

Black & Veatch, Overland Park, KS (Booth 4)

Black & Veatch has served the nuclear industry consistently since the closing years of World War II. We support U.S. operating nuclear plant projects, providing engineering studies, design modifications, procurement services, construction management and installation services. Black & Veatch is currently engaged in the design and construction management of an advanced boiling water reactor nuclear facility.

Burns and Roe Group, Inc., Oradell, NJ (Booth 45)

Burns and Roe is a global engineering, procurement and construction organization providing services to both private and public clients for 75 years. With 1,700 personnel worldwide, we are a premier provider of advanced nuclear services to the Department of Energy, utilities, and other clients.

BWX Technologies, Inc., Lynchburg, VA (Booths 14 & 15)

BWXT is a leading supplier of nuclear Components and materials to the U.S. Government and commercial clients. BWXT is the only domestic manufacturer of large, heavy nuclear components. Two of its manufacturing facilities recently received ASME certification to support BWXT's participation in commercial nuclear manufacturing.

CH2M HILL, Englewood, CO (Booth 53)

Employee-owned CH2M HILL is a global leader in full-service engineering, construction, and operations for public and private clients. With more than \$3.8 billion in revenue and 18,000 employees worldwide, CH2M HILL delivers innovative, practical, sustainable solutions - helping clients develop and manage infrastructure and facilities that improve efficiency, safety and quality of life.

Cohesive Information Solutions, Inc., Madison, AL (Booth 10)

As a management consultant and systems integrator, Cohesive Information Solutions helps organizations achieve operational excellence and optimize technology investments by developing and deploying solutions centered on industry best practices.

Whether generation, transmission or distribution, utilities must focus on safety and reliability while ensuring regulatory compliance. Cohesive has the unique expertise to drive significant improvements in utility operations.

Technical Exhibitors

Control Components Inc. (CCI), Rancho Santa Margarita, CA (Booth 51)

CCI is the leading manufacturer of severe service control valves, critical isolation and pilot operated relief valves in the world. With manufacturing and "N and NV Stamp" facilities located around the globe we are well positioned to supply products to the Nuclear Industry. Our subsidiary company NHL is a leading manufacturer of nuclear bellows sealed valves.

CORE, Inc, Arvada, CO (Booth 48)

CORE develops cost-effective, risk-based diagnostic equipment reliability programs for condition monitoring & scheduled maintenance. CORE's RCM-trim™ software (patent-pending) & ER-plus™ manage critical plant assets to build Equipment Reliability processes for maintenance with equipment templates, traceable to the plant's design basis.

Crane Nuclear, Inc., Kennesaw, GA (Booth 37)

Crane Nuclear provides valve products, services and diagnostic technologies to the worldwide nuclear industry. Products and services include safety-related valves and valve replacement parts, valve testing products, engineering, repair and diagnostic services. Valve technologies developed by Crane Nuclear help ensure nuclear plant safety and maintain reliable performance of safety-related motor-operated valves, air-operated valves and check valves.

Curtiss-Wright Flow Control, Brea, CA (Booths 30, 31, 32, 33)

Curtiss-Wright Flow Control's Commercial Power and Services Group provides ASME Code, safety-related, IEEE, and commercial products and services to nuclear utilities: EMD - Reactor coolant pumps and motors, control rod drive mechanisms and primary loop valves; Enertech - Valves, actuators, pumps, instrumentation, pipe restraints, vibration isolators, and diagnostic equipment; Nova - Fasteners, HydraNut bolting solutions, fabrication, inventory and supply chain management services; Trentec - Airlocks, specialty doors, custom fabrication, diamond wire concrete cutting, qualification and dedication services; Target Rock - Process Solenoid Valves, MSSRV, PORV and other special nuclear plant application valves, and engineering services.

Dade Moeller & Associates, Richland, WA (Booth 5)

Dade Moeller & Associates is an award-winning, employee-owned business specializing in occupational and environmental health sciences. We provide professional consulting services for assessing, preventing, and controlling harmful exposures from radiation and hazardous substances that affect workers, the public and the environment. Our exceptional record of performance has resulted in one of the highest client and employee retention rates in our industry. Dade Moeller & Associates employs more than 25 Certified Health Physicists and has close, long-standing affiliations with national and international health physics organizations.

Data Systems & Solutions, LLC, Reston, VA (Booth 25)

Data Systems & Solutions, LLC, a subsidiary of Rolls-Royce, is a global supplier of decision support and control systems and services to the Energy, Aviation, Defense and Process Industries. With our flagship digital platform, SPINLINE 3, we are the world leaders in digital nuclear safety I&C and the prime supplier of safety I&C to all 58 units for EDF.

Day & Zimmermann NPS, Inc., Lancaster, PA (Booth 40)

Day & Zimmermann NPS (DZNPS) is one of the nation's leading union labor contractors dedicated to expertly providing comprehensive, fully managed maintenance and modifications at nuclear and fossil-fired power plants. Multi-site, system-wide contracts are a DZNPS specialty. In 2006, DZNPS provided project-managed modifications and maintenance, and craft labor services to our customers at 50 fossil units and 29 nuclear units nationwide. We have accelerated our customers' success with operational excellence grounded in a continuous improvement culture, and an unwavering commitment to safety as our number-one value. Our ability to manage projects and maintenance productivity through our unmatched craft labor management practices brings consistency and predictability to cost and schedule, routinely saving our customers millions of dollars.

Doosan Heavy Industries & Construction Co., LTD, Changwon, Republic of Korea (Booths 46 & 47)

DOOSAN Heavy Industries manufactures all primary equipment for NSSSs. DOOSAN has supplied equipment for 8 units and is fabricating equipment for 6 additional units under construction in South Korea. DOOSAN supplies replacement equipment, such as steam generators, to U.S nuclear power stations. DOOSAN intends to participate in the renaissance of new nuclear power stations.

Doosan HF Controls Corporation, Carrollton, TX (Booth 36)

A global leader in providing complete process control and automation solutions; we specialize in the design and construction of high-quality digital control systems for power, industrial, and nuclear applications.

Enercon Services, Inc., Tulsa, OK (Booths 7 & 8)

Enercon Services specializes in energy and environmental projects and provides full-scope engineering, technical and professional services to clients around the world. Enercon provides services to nuclear plants including: engineering, design and analysis; licensing and operations support; power uprates; document management services; spent fuel storage solutions; analog to digital upgrades; and new plant site permitting services (ESP) and combined license application preparation (COL).

EnergySolutions, Inc., Salt Lake City, UT (Booth 22)

EnergySolutions is a national energy services company headquartered in Salt Lake City, Utah, focused on providing services and solutions to the nuclear industry. Our services cover the nuclear fuel cycle and are provided to the majority of U.S. nuclear power utilities, and include radioactive waste management guidance, radiological engineering, liquid waste processing, large component removal, fuel pool cleanup/ spent fuel management, transportation, and low level radioactive waste disposal.

EPM (Engineering Planning and Management, Inc.), Framingham, MA (Booth 60)

EPM has been the leading provider of nuclear fire protection services for over twenty-five years helping utilities achieve compliance with complex regulatory requirements. EPM has continued to provide expert fire protection and systems engineering guidance as NRC regulations have changed and evolved, including the transition to the new performance-based, risk-informed regulatory environment of NFPA 805 and 10 CFR 50.48(c). EPM is also a leading provider of innovative software tools that optimize the processes to achieve regulatory compliance in a cost-effective manner. EPM's integrated software tools include EDISON (cable/ wire and raceway management tool); SAFE (performance-based and deterministic safe shutdown analysis tool); and MILIEU (environmental qualification tool). EPM's third area of specialty is materials management, procurement engineering, and BOM development. Field services staffing is also provided in all areas.

EXCEL Services Corporation, Rockville, MD (Booths 1, 2, 3)

EXCEL Services Corporation specializes in providing operations, Engineering, safety and regulatory services for energy and environmental projects world-wide. These specialized services include: License Renewal, Power Uprate, 24 Month Fuel Cycle Conversions, Licensing and Operations Support, Improved Technical Specifications Conversions, Quality Assurance Solutions, Training, Spent Fuel Storage Licensing, New Plant Site Permitting (ESP), and Combined License (COL) Support. EXCEL has worked with almost every nuclear power plant and many other nuclear facilities in the U.S., and has worked with many international nuclear facilities and organizations for over 20 years.

Flowserve Pump Division, Vernon, CA/Charlotte, SC (Booths 56 & 57)

Flowserve is the world's premier provider of industrial flow management services. The company produces engineered pumps, precision mechanical seals, valves and actuators. The company also provides a range of related flow management services. Flowserve Corporation's Pump Division (FPD) is the driving force in the Nuclear Pump Industry with heritage names such as Byron Jackson, Pacific, Worthington and others. Products include: New Pumps, Pump Upgrades, Pump Repairs (contaminated and clean), On-Site Technical Services, Turnkey Services, Engineering Support, Mechanical Seals and more.

Technical Exhibitors

GEL Geophysics, LLC, Charleston, SC (Booth 9)

GEL Geophysics, LLC, has been providing various geophysical services for over two decades. Our largest service sector, Subsurface Utility Engineering (SUE), is designed to eliminate the guesswork when dealing with underground utilities. By knowing the precise location of buried infrastructure prior to design or construction, a facility can avoid the cost and time delays associated with utility conflicts and damages. GEL Geophysics has aided nuclear plants and other facilities throughout the United States in mapping their subsurface conditions.

Graybar, Greensboro, NC (Booth 52)

GRAYBAR is one of the country's leading supply chain and logistics experts, a company committed to building relationships that work for its customers, its suppliers, and its owner employees. We are focused on doing the things we do best, so our customers can stay focused on their core expertise. Whether it's providing speed of delivery through our zone/branch infrastructure, intelligence through our technological capabilities, or efficiency through our inventory management solutions, Graybar clearly works to its customers' advantage, every minute of every day. Graybar has the power and stability of a big corporation and the integrity and drive of a neighborhood business.

Invensys Process Systems, Irvine, CA (Booth 59)

Invensys Nuclear is an alliance of Invensys divisions including Foxboro, Triconex, SimSci-Esscor and Validation Technologies - all with a strong nuclear presence. Leveraging the power of one organization, Invensys Nuclear consistently collaborates in development, design and execution of solutions proven to maximize the availability and utilization of your plant assets.

Joseph Oat Corporation, Camden, NJ (Booth 21)

Joseph Oat is an integrated designer and fabricator of ASME Section III/ safety-related products for the Nuclear Power Industry. We have supplied Section III heat exchangers and pressure vessels, spent fuel/rad-waste canisters, and NQA-1 safety related components to nuclear customers worldwide. Our QA system has been audited by NUPIC and complies with NQA-1 & 10 CFR 50 Appendix B. We have continuously held an 'N' Stamp certification since 1966. Joseph Oat, We Make Metal Work™

Kinectrics, Inc., Toronto, Ontario, Canada (Booth 35)

Kinectrics is recognized worldwide as a leader in providing advanced services and products for the nuclear industry. We offer clients a reliable "one-stop shop" with specialized technical expertise and proven capabilities in: life cycle and asset management solutions for nuclear equipment and components, inspection and maintenance systems, and environmental technologies. Kinectrics is a qualified North American supplier for genuine nuclear parts, reverse engineering and Commercial Grade Dedication services. Our facilities also include laboratories for radioactive materials, analytical chemistry, and electrical testing for generation plant.

Major Tool & Machine, Inc., Indianapolis, IN (Booth 39)

Major Tool & Machine provides the nuclear marketplace with best value, turnkey, engineering, fabrication and machining services. Our extraordinary capability, capacity and experience are driven by our commitment to quality assurance. This is evidenced through our ASME N, NPT, N3, U and U2 certifications. In addition, our Nuclear Quality Assurance Program is audited to the requirements of NQA-1, and complies with 10CFR21, 10CFR50 part B, 10CFR71 subpart H, 10CFR72 subpart G, and 10CFR830. Our combined strengths of outstanding program management, unparalleled capability, and uncompromising quality assurance provide our customers the Major difference.

Mitsubishi Heavy Industries Ltd., Tokyo Japan (Booths 17 & 18)

Mitsubishi has been engaged in the nuclear energy business for more than 3 decades and built 23 pressurized water reactor (PWR) plants in Japan. In addition, 1 plant is under construction and 2 plants are in the licensing phase. The company is now introducing the US-APWR 1700MW class reactor to U.S. market, the largest nuclear energy plant in the world. Mitsubishi is a fully-integrated nuclear power plant supplier with capacity of supplying architectural engineering, nuclear steam supply systems, turbine generation systems, electrical systems, I&C systems, nuclear fuel and balance of power systems to its utility customers. Mitsubishi also performs post-operational service and has replaced 15 reactor vessel heads (4 in backlog), 6 steam generators (2 in backlog), 494 control rod drive mechanisms (104 in backlog) and one pressurizer for U.S. power companies.

MPW Industrial Services, Hebron, OH (Booth 42)

MPW Industrial Services is the leading provider of integrated technology-based Industrial Cleaning, Water Management, Facility Management and Chemical Cleaning in North America. Headquartered in Hebron, Ohio, MPW has been providing rapid response to meet the diverse needs of industrial clients for 35 years. Our expert personnel, certified by MPW's stringent Health and Safety training program, can be deployed with mobile assets or can service your needs from our fixed-based network of over 40 operational facilities.

Nexus Technical Services Corporation, Bloomington, IL (Booth 11)

Nexus Technical Services Corporation is known for its superior engineering, design and analytical services. That's because for three decades Nexus has listened better to its clients, honored its commitments and delivered Super-Pleasing Service™. No other organization quite measures up to Nexus standards for attention to detail or client satisfaction.

Northrop Grumman, Newport News, VA/Sykesville, MD (Booths 13 & 14)

Northrop Grumman / Newport News Industrial

Northrop Grumman/Newport News Industrial located in Newport News, VA is a specialty mechanical maintenance, modification, repair, and fabrication service provider. Whether your plant requirements call for a site visit from one of our field service teams or sending your equipment to our fabrication and overhaul facility in Virginia, we are on-call and ready to meet your needs. We also provide innovative solutions like environmentally friendly chemical cleaning services and HotGuard lead-free radiation shielding.

Northrop Grumman / Power Control Systems

Northrop Grumman Power/Control Systems located in Sykesville, MD is a supplier of Nuclear Instrumentation and Control Equipment, both for commercial reactors and for the Nuclear Navy. We specialize in Analog and Digital controls, safety systems, obsolescence abatement and Neutron Instrumentation. We have deep and current experience in designing and building state-of-the-art instruments with built-in-self-test, which minimize maintenance and calibration labor.

Nuclear Logistics, Inc., Fort Worth, TX (Booth 24)

Nuclear Logistics, Inc. (NLI) is the nuclear industry's single source for safety related equipment, equipment maintenance and qualification support. Expanded service areas include the supply of ASME Section III N, NPT, and NS certified equipment.

Nuclear Plant Journal, Glen Ellyn, IL (Booth 50)

Now in its 25th year, Nuclear Plant Journal provides technical information exchange among managers and engineers in nuclear power industry worldwide. Circulation is 12,000 (BPA audited). The Journal is published six-times per year. The Products & Services Directory is published yearly in December. The Journal's web site includes searchable editorial archives.

Technical Exhibitors

PaR Nuclear, Inc., Shoreview, MN (Booth 62)

PaR Nuclear Inc., is the current leading designer and supplier of fuel handling equipment for commercial nuclear power plants that require new equipment or major equipment upgrades. PaR Nuclear provides refueling machines, manipulator cranes, spent fuel handling machines, CEA handling platforms, fuel transfer systems, BWR refueling platforms, simulators/testers for PWR refueling machines and control room fuel handling operation monitoring (Control Room Supervisor) systems. PaR Nuclear also provides Single Failure Proof cranes and Single Failure Proof upgrades to existing cranes for compliance with NUREG 0554 and related fuel storage cask handling operations. Additionally, PaR Nuclear provides new cranes and reliability and efficiency upgrades for existing large/outage critical cranes. PaR Nuclear has in excess of 35 years of experience and development of remote handling equipment and provides equipment used in inspection, vitrification, classification, decommissioning and size reduction of nuclear steam supply systems and DOE and DOD waste. PaR Nuclear maintains a complete on-site services group to service all types of fuel handling equipment, large cranes, and remote handling equipment.

Paragon Analytics, Fort Collins, CO (Booth 38)

Full-Service Environmental and Radiochemistry Laboratory. NELAP certified. Top-ranked according to PT scores. Mixed waste facilities, hexavalent chromium analysis of radioactive air filters, air quality, stack gas, asbestos and mold analysis in addition to radiochemistry and environmental analyses. Matrices include air, waters, soil, sludge/sediment, building debris, multiphasic samples, biota and oils.

Proto-Power Corporation, Groton, CT (Booth 41)

Proto-Power is a full service engineering firm that provides engineering, design, and project management services to the nuclear industry. We offer the services of experienced mechanical, electrical, instrumentation and controls, civil, and structural engineering professionals and designers who are skilled in power plant systems, engineering analysis and modification package development.

Rigging International, Missoula, MT (Booth 43)

Rigging International provides heavy lift rigging and heavy haul transportation to our clients worldwide. Our support of nuclear power spans new construction in the 1970's to major component replacement projects on going today.

Sandia National Laboratories, Albuquerque, NM (Booth #34)

Joint Conflict and Tactical Simulation (JCATS) is a combat simulation tool used to assess and improve an agency's security posture against an adversary threat (e.g., hypothetical changes to a facility can be modeled, a new fence or new weapon system, to evaluate the effects without requiring real-world construction or acquisition).

Sciencetech, LLC, Gaithersburg, MD (Booth 12)

Sciencetech, LLC provides utility clients with the hardware, technology, risk and reliability, information and process solutions to reduce costs and improve efficiency, safety, performance and knowledge. Areas of expertise include risk assessments, reactor and steam generator servicing equipment and services, chemistry quality control software and services, plant process computer replacements, thermal performance and safety monitoring software, training, procedures/e-procedures, work management systems, hardware solutions for obsolete instrumentation, licensing and regulatory compliance and subscription database services like LIS, TRENDS, NIIS, EQDB, and RAPID.

Shaw Stone & Webster Nuclear Services, Stoughton, MA (Booth 23)

Shaw Stone & Webster Nuclear offers design, engineering, maintenance, construction, start-up and test and new plant nuclear services based on more than 60 years of nuclear industry leadership. Shaw, a 20 percent owner of Westinghouse, is the largest provider of commercial nuclear power plant maintenance and modifications services in the United States with contracts at 40 operating units. As part of the Westinghouse/Shaw AP1000 Consortium, we were recently selected to provide four nuclear units in China. From our domestic nuclear work to our efforts in China, Shaw is poised to meet the growing global demands of the future.

Sulzer Pumps, Portland, OR (Booth 27)

Sulzer Pumps is widely recognized for technical excellence in nearly all nuclear plant applications, providing primary and secondary pumping and sealing solutions, including our Balanced Stator seal for both PWR and BWR main coolant pumps. Nuclear service installations exceed over 80 sites in the US and 100 worldwide. We provide pump repair, replacement parts, and testing services for all OEM pumps compliant with ASME, PTC, HI, and ISO.

UniTech Services Group, Springfield, MA (Booth 6)

UniTech Services Group (formerly Interstate Nuclear Services) is the world's largest supplier of radioactive laundry services and total protective clothing programs. UniTech has been providing service to the nuclear industry for over 45 years. Our network of licensed facilities nationwide gives UniTech the capability of supplying service coast to coast. While incineration typically yields VR's of 100:1, replacing disposable items with a launderable system provides a VR up to 3,000:1. UniTech offers: Offsite water wash decontamination; Protective clothing and accessories available on a direct sale, long term lease or short term rental; Mobile Safety Store for Just-In-Time access for the supplies you need; Respirator cleaning, repair and testing; Offsite tool and metal decontamination service offering both non destructive and aggressive cleaning methods to maximize decontamination effectiveness; Equipment sales and leasing of specialized conveyor monitors, modular respirator cleaning/ testing units and modular tool/metal decontamination facilities. UniTech's newest division, Uni Tech Safety Services, offers a complete line of safety products and tools.

VENTYX, Atlanta, GA (Booth 44)

Ventyx is the leading provider of proven Service Delivery Management solutions enabling utility, communications and other commercial field service organizations to optimize the management of their customers, workforce, spare parts inventory, equipment, tools and documentation – empowering organizations to maximize efficiencies in customer relationships, facilities, workforce and field service operations.

Washington Group International, Princeton, NJ (Booth 19)

Washington Group provides integrated engineering, procurement, construction and maintenance services to the commercial nuclear industry and similar services in support of managing and operating government nuclear facilities. The Steam Generating Team (SGT), a joint venture between Washington Group and AREVA NP is a leading supplier of engineering and construction support services for large component replacements.

Westinghouse Electric Company, Monroeville, PA (Booth 61)

Westinghouse Electric Company provides fuel, services, technology, plant design, components and equipment to utility customers in the global commercial nuclear electric power industry. We are also proud of our next generation nuclear power plant - the AP1000 - which has fewer components than today's plants and has safety systems based on natural phenomena like condensation. The AP1000 is the only Generation III+ reactor to receive Design Certification from the U.S. Nuclear Regulatory Commission. Westinghouse nuclear technology will help provide future generations with safe, clean and reliable electricity.

