

2010 UTILITY WORKING CONFERENCE AND VENDOR TECHNOLOGY EXPO



August 8-11, 2010
Amelia Island, Florida • Amelia Island Plantation

“PEOPLE ACHIEVING EXCELLENCE”

CONFERENCE TRACKS:

**Engineering • Executive • Nuclear Knowledge Management •
Operations • Oversight • Performance Improvement •
Regulatory Relations • Risk Management •
Work Management/Project Management**



Sponsored by the ANS Operations and Power Division

OFFICIAL PROGRAM

CONTRIBUTING ORGANIZATIONS

*The organizations listed below have made an outstanding contribution to the success of the
2010 UTILITY WORKING CONFERENCE
and to the enjoyment of the attendees and their guests through their generous sponsorship.*

Day & Zimmermann

Sponsor of the Guest Room Key Cards

SUNDAY, AUGUST 8, 2010

System One

Sponsor of the "Grab and Go" Breakfast
for the 2010 Utility Working Conference Golf Tournament

COREWORX Inc.

Sponsor of the Beverage Cart
for the 2010 Utility Working Conference Golf Tournament

HydroAire Services, Inc.

Sponsor of the Bottled Water
for the 2010 Utility Working Conference Golf Tournament

Invensys Operations Management

Sponsor of the 2010 Utility Working Conference
Golf Tournament Awards Luncheon

AREVA

Sponsor of the Blended & Frozen Bars
during the Opening Reception

EPM, Inc.

Sponsor of the Beer/Wine/Soft Drinks
during the Opening Reception

EnergySolutions, LLC

Co-Sponsor of the Cold Appetizers
during the Opening Reception

Rolls Royce

Sponsor of the Hot Appetizers
during the Opening Reception

EnergySolutions, LLC

EXCEL Services Corporation

Co-Sponsors of the Action/Carving Stations
during the Opening Reception

Mitsubishi Heavy Industries

Sponsor of the Dessert and Cordial Reception

MONDAY, AUGUST 9, 2010

Bechtel Corporation

Curtiss-Wright Nuclear

Co-Sponsors of the Opening Plenary Breakfast

AREVA DZ LLC

Sponsor of the Mid-Morning Refreshment Break
in the Vendor Technology Expo

Westinghouse Electric Company

Co-Sponsor of the Luncheon
in the Vendor Technology Expo

TUESDAY, AUGUST 10, 2010

Sargent & Lundy

Sponsor of the Sunrise Breakfast
at the Ocean View Terrace

AREVA DZ LLC

Sponsor of the Mid-Morning Refreshment Break
in the Vendor Technology Expo

Kinectrics, Inc.

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

WEDNESDAY, AUGUST 11, 2010

IBM

Sponsor of the Mid-Morning Refreshment Break

*Please see an ANS Representative at the
Registration Desk to secure your sponsorship for
the 2011 Utility Working Conference.*

An aerial photograph of the Amelia Island Plantation resort. The image shows a large, multi-story hotel building with a grey roof and many windows, situated on a lush green golf course. To the right of the hotel is a large, irregularly shaped swimming pool with a blue interior. The resort is surrounded by dense green trees and a sandy beach is visible in the foreground. In the background, a body of water, likely the Atlantic Ocean, stretches to the horizon.

TABLE OF CONTENTS

4	Program Committee
5-6	Condensed Schedule
7	Conference Information
8	Golf Tournament Information
9-20	Technical Sessions by Day
21	Professional Development Workshop
22-30	Vendor Technology Exhibit

UPDATED: AUGUST 3, 2010

2010 UTILITY WORKING CONFERENCE AND VENDOR TECHNOLOGY EXPO

PEOPLE ACHIEVING EXCELLENCE

AMELIA ISLAND PLANTATION • AMELIA ISLAND, FLORIDA

AUGUST 8-11, 2010 3

PROGRAM COMMITTEE

CO-GENERAL CHAIR

Jim Scarola
Progress Energy

CO-GENERAL CHAIR

Bryan Dolan
Duke Energy

GOLF CHAIR

Thomas D. (Sid) Sarver
Enercon Services, Inc.

TECHNICAL PROGRAM CHAIR

Mike Spellman
Progress Energy

ASSISTANT TECHNICAL PROGRAM CHAIR

Chris Wiegand
Exelon Corporation

ASSISTANT TECHNICAL PROGRAM CHAIR

Don Vinci
Entergy Corporation

TRACK	TRACK LEADER(S)	TRACK ORGANIZER(S)
ENGINEERING	George Attarian Progress Energy	Vann Stephenson Progress Energy Dan Strong Progress Energy
EXECUTIVE	Richard Cole NWI Consulting	Don Eggett AES Corporation
NUCLEAR KNOWLEDGE MANAGEMENT	Donald Hoffman EXCEL Services Corporation	Vince Gilbert EXCEL Services Corporation
OPERATIONS	Carol Barajas Exelon Corporation	Preston Pratt PP&L Susquehanna
OVERSIGHT	Mark McBurnett STP Nuclear Operating Company	Jim Fisicaro TANE-Toshiba
PERFORMANCE IMPROVEMENT	Mark Reinhart International Atomic Energy Agency	Bill Corcoran Nuclear Safety Review Concepts Corporation Ludwig (T-Bow) Thibault Tennessee Valley Authority
REGULATORY RELATIONS	Eric Leeds US Nuclear Regulatory Commission Dave Matthews US Nuclear Regulatory Commission	Trent Wertz US Nuclear Regulatory Commission Donna Williams US Nuclear Regulatory Commission
RISK MANAGEMENT	Bob Rishel Progress Energy	J.K. August Core, Inc James Masterlark Engineering Planning & Management, Inc. Harold Stiles Progress Energy
WORK MANAGEMENT/ PROJECT MANAGEMENT	Jeannie Rinckel FirstEnergy/Nuclear Energy Institute	Chris Vlahoplus ScottMadden, Inc. Bill Flanagan Black Diamond Associates Sean Lawrie ScottMadden, Inc.

CONDENSED CONFERENCE SCHEDULE

SUNDAY, AUGUST 8, 2010

TIME	EVENT/SESSION
8:00 A.M.	GOLF TOURNAMENT <i>"Grab and Go" Breakfast for the 2010 UWC Golf Tournament Sponsored by System One</i> <i>Beverage Cart for the 2010 UWC Golf Tournament Sponsored by COREWORX Inc.</i> <i>Bottled Water for the 2010 UWC Golf Tournament Sponsored by HydroAire Services, Inc.</i> <i>2010 UWC Golf Tournament Awards Luncheon Sponsored by Invensys Operations Management</i>
3:00 P.M. - 7:00 P.M.	MEETING REGISTRATION
6:00 P.M. - 8:00 P.M.	OPENING RECEPTION IN THE VENDOR TECHNOLOGY EXPO <i>Blended & Frozen Bars Sponsored by AREVA</i> <i>Cold Appetizers Sponsored by EnergySolutions, LLC</i> <i>Hot Appetizers Sponsored by Rolls Royce</i> <i>Beer/Wine/Soft Drinks Sponsored by EPM, Inc. (Engineering Planning and Management, Inc.)</i> <i>Action/Carving Stations Co-Sponsored by EnergySolutions, LLC and EXCEL Services Corporation</i>
8:00 P.M. - 9:30 P.M.	DESSERT AND CORDIAL RECEPTION IN THE VENDOR TECHNOLOGY EXPO <i>Sponsored by Mitsubishi Heavy Industries</i>

MONDAY, AUGUST 9, 2010

TIME	EVENT/SESSION
7:00 A.M. - 4:30 P.M.	MEETING REGISTRATION
7:30 A.M. - 8:30 A.M.	OPENING PLENARY BREAKFAST IN THE GRAND PAVILION <i>Co-Sponsored by Bechtel Corporation and Curtiss-Wright Nuclear</i>
8:30 A.M. - 10:00 A.M.	OPENING PLENARY SESSION: "The Need for Nuclear"
10:00 A.M. - 10:30 A.M.	REFRESHMENT BREAK IN THE VENDOR TECHNOLOGY EXPO <i>Sponsored by AREVA DZ LLC</i>
10:30 A.M. - 12:00 P.M.	TECHNICAL SESSIONS • ENGINEERING: "Revisiting Engineering Workforce Hiring, Qualification and Retention" • EXECUTIVE: "People Excel through Executive Example" • NUCLEAR KNOWLEDGE MANAGEMENT: "The Need for NKM (Business Cases Demonstrating the Value of Nuclear Knowledge Management)" • OPERATIONS: "Licensed Operator Training Workshop (Part I)" • OVERSIGHT: "Aggregation of Oversight Information for Assessment of Operating Plant/Fleet Performance (Part 1)" • PERFORMANCE IMPROVEMENT: "PI 2010: Achievements, Challenges, Strategies" • REGULATORY RELATIONS: "Aggregate Impacts of Rulemakings" • RISK MANAGEMENT: "Commonly Misunderstood Supporting Requirements in the Fire PRA Standard—Workshop" • WORK MANAGEMENT/PROJECT MANAGEMENT: "Maintenance Productivity"
12:00 P.M. - 1:30 P.M.	WALK-AROUND LUNCHEON IN THE VENDOR TECHNOLOGY EXPO <i>Co-Sponsored by Westinghouse Electric Company</i>
1:30 P.M. - 2:30 P.M.	GENERAL SESSION: "Delivering the Message – Smart Use of Social Media"
2:30 P.M. - 3:00 P.M.	AFTERNOON REFRESHMENT BREAK IN THE VENDOR TECHNOLOGY EXPO
3:00 P.M. - 5:00 P.M.	TECHNICAL SESSIONS • ENGINEERING: "Engineering Human Performance" • NUCLEAR KNOWLEDGE MANAGEMENT: "Do We Need a Nuclear Business Leaders Forum and Network?" • OPERATIONS: "Licensed Operator Training Workshop (Part II)" • OVERSIGHT: "Aggregation of Oversight Information for Assessment of Operating Plant/Fleet Performance (Part 2) — Using Independent Oversight to Improve Performance" • PERFORMANCE IMPROVEMENT: "Regaining, Improving and Sustaining Human Performance" • REGULATORY RELATIONS: "Licensing Challenges During Construction" • RISK MANAGEMENT: "A Survey of Innovations, Achievements, and Lessons-Learned in Fire Modeling for PRA" • WORK MANAGEMENT/PROJECT MANAGEMENT: "PM/Backlog Management"

CONDENSED CONFERENCE SCHEDULE

TUESDAY, AUGUST 10, 2010

TIME	EVENT/SESSION
7:00 A.M. - 8:15 A.M.	SUNRISE BREAKFAST AT THE OCEAN VIEW TERRACE <i>Sponsored by Sargent & Lundy</i>
7:00 A.M. - 4:30 P.M.	MEETING REGISTRATION
8:30 A.M. - 9:30 A.M.	GENERAL SESSION: "Life After 40 — A Technology or People Problem"
9:30 A.M. - 10:00 A.M.	REFRESHMENT BREAK IN THE VENDOR TECHNOLOGY EXPO <i>Sponsored by AREVA DZ LLC</i>
10:00 A.M. - 12:00 P.M.	TECHNICAL SESSIONS • ENGINEERING: "Achieving Equipment Reliability" • NUCLEAR KNOWLEDGE MANAGEMENT: "Sustaining NKM Through the Life Cycle" • OPERATIONS: "Operations Supervisor Engagement, Enforcement of Standards and Succession Planning" • OVERSIGHT/REGULATORY RELATIONS: "Construction Reactor Oversight Process (cROP)/Safety Conscious Work Environment and NRC Oversight of New Construction" • PERFORMANCE IMPROVEMENT: "Corrective Action Program: Keys to Performance Improvement" • REGULATORY RELATIONS: "Leaks of Tritiated Water and Degradation of Buried Piping" • RISK MANAGEMENT: "Recent Advances and Near-Term Opportunities for PRA Applications in Risk-Informed Regulations" • WORK MANAGEMENT/PROJECT MANAGEMENT: "Project Management Best Practices (Part I)"
12:00 P.M. - 1:30 P.M.	WALK-AROUND LUNCHEON IN THE VENDOR TECHNOLOGY EXPO
1:30 P.M. - 2:30 P.M.	GENERAL SESSION: "Succession Planning – Developing Leaders from Generation Y"
2:30 P.M. - 3:00 P.M.	AFTERNOON REFRESHMENT BREAK IN THE VENDOR TECHNOLOGY EXPO
3:00 P.M. - 5:00 P.M.	TECHNICAL SESSIONS • ENGINEERING: "Managing Equipment Reliability Workload" • NUCLEAR KNOWLEDGE MANAGEMENT: "Leadership as a Driver for NKM" • OPERATIONS: "Creating a Culture of Commitment and Personal Accountability" • OVERSIGHT: "QA/QC Staffing and Qualifications" • PERFORMANCE IMPROVEMENT: "Using 'Lean' to Improve Business Performance" • REGULATORY RELATIONS: "Fire Protection at Operating Reactors: Perspectives on Two Fire Protection Regulatory Guides" • RISK MANAGEMENT: "What Can We Learn from the PRA Efforts for New Builds?" • WORK MANAGEMENT/PROJECT MANAGEMENT: "Project Management Best Practices (Part II)"
5:00 P.M. - 6:30 P.M.	RECEPTION IN THE VENDOR TECHNOLOGY EXPO <i>Appetizers Sponsored by the Technology Expo Vendors</i> <i>Beer/Wine/Soft Drinks Sponsored by Kinectrics, Inc.</i>
7:00 P.M. - 11:00 P.M.	EXCEL SERVICES CORPORATION EVENING EVENT IN THE GRAND PAVILION

WEDNESDAY, AUGUST 11, 2010

TIME	EVENT/SESSION
7:00 A.M. - 4:30 P.M.	MEETING REGISTRATION
7:30 A.M. - 8:30 A.M.	CONTINENTAL BREAKFAST IN THE VENDOR TECHNOLOGY EXPO
8:30 A.M. - 9:30 A.M.	GENERAL SESSION: "Generation IV and Beyond: What's Next for Nuclear Power?"
9:30 A.M. - 10:00 A.M.	REFRESHMENT BREAK IN THE VENDOR TECHNOLOGY EXPO <i>Sponsored by IBM</i>
10:00 A.M. - 12:00 P.M.	TECHNICAL SESSIONS • ENGINEERING/OPERATIONS: "Human Performance Workshop Session" • NUCLEAR KNOWLEDGE MANAGEMENT/OVERSIGHT/REGULATORY RELATIONS: "Construction Corrective Action Programs for New Construction" • PERFORMANCE IMPROVEMENT: "Accountability: Making the Lessons to be Learned Stick" • RISK MANAGEMENT: "Recent Successes and Current Issue in Risk Management—Poster Session" • WORK MANAGEMENT/PROJECT MANAGEMENT: "Project Management – Digital Instrumentation and Controls"
12:00 P.M. - 1:30 P.M.	WRAP-UP LUNCHEON: "ANS/Utility Integration – Research Results"
1:30 P.M. - 5:00 P.M.	TUTORIAL: SAFETY DECISIONS USING RISK INFORMATION

CONFERENCE INFORMATION



ACCOMMODATIONS AND HOTEL INFORMATION

The Amelia Island Plantation is the location for the 2010 Utility Working Conference, where all meeting activities and technical sessions will take place. The 1350 acre property overlooks the blue water of the Atlantic on the east and the green marshland and Intracoastal Waterway on the west.

The **Grand Pavilion** is the location for the:

OPENING PLENARY SESSION,
MONDAY, AUGUST 9, 2010
8:30 A.M. - 10:00 A.M.

GENERAL SESSION,
MONDAY, AUGUST 9, 2010
1:30 P.M. - 2:30 P.M.

GENERAL SESSION,
TUESDAY, AUGUST 10, 2010
8:30 A.M. - 9:30 A.M.

GENERAL SESSION,
TUESDAY, AUGUST 10, 2010
1:30 P.M. - 2:30 P.M.

CONFERENCE REGISTRATION

Registration is required for all attendees and presenters. Badges and tickets are required for admission to all events.

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

NOTE:

Additional tickets can be purchased on-site at the ANS Registration Desk for the Sunday Welcome Reception; Monday, Tuesday and the Wednesday Luncheons.

ANS REGISTRATION:

You may register, purchase tickets for events, or pick up your registration packet at the East Concierge Desk, located in

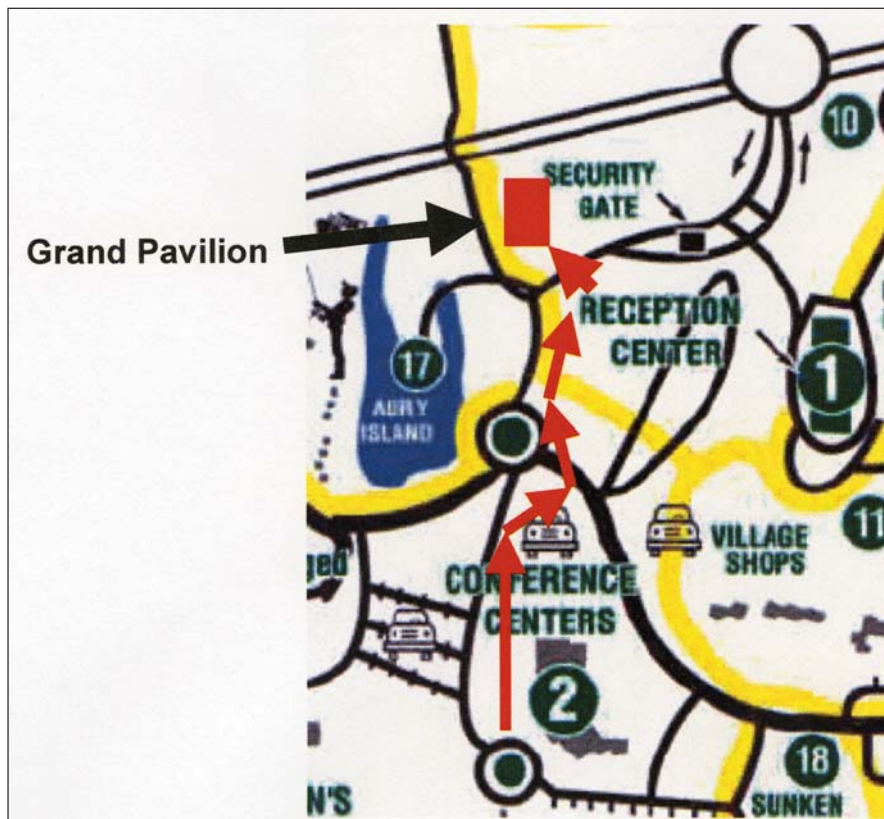
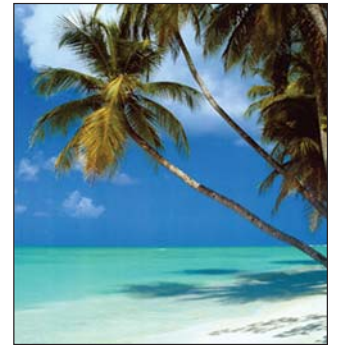
the Amelia Ballroom Foyer, during the following hours:

SUNDAY, AUGUST 8, 2010
3:00 P.M. - 7:00 P.M.

MONDAY, AUGUST 9, 2010
7:00 A.M. - 10:00 A.M.*
(*LOCATION: GRAND PAVILION)
10:00 A.M. - 4:30 P.M.

TUESDAY, AUGUST 10, 2010
7:00 A.M. - 4:30 P.M.

WEDNESDAY, AUGUST 11, 2010
7:00 A.M. - 11:30 A.M.



DIRECTIONS FROM CONFERENCE CENTER TO GRAND PAVILION:

- Exit the main entrance of the conference center
- Turn right and follow walk way along the side of conference center
- At the end of the conference center take the stairs down to Maple Parking Lot
- Across for the parking lot there is a walking path
- Follow the walking path straight ahead

There is signage posted along the way.
The Grand Pavilion is the large white climate controlled tent.

For those who need transportation to/from the Grand Pavilion, transportation can be arranged by calling the Transportation Department at extension 5244.

GOLF TOURNAMENT INFORMATION

2010 UWC Golf Tournament: Sunday, August 8, 2010

GENERAL INFORMATION

The ANS 2010 Utility Working Conference (UWC) Golf Tournament will be held at Amelia Island Plantation's Ocean Links Golf Course. The tournament will begin at 8:00 a.m. on Sunday, August 8, 2010.

TRANSPORTATION

The Ocean Links Golf Course is centrally located within walking distance from most parts of the Amelia Island Plantation. For those who choose not to walk or drive, you may arrange for courtesy shuttle transportation from anywhere on the resort property by dialing the resort operator.

FORMAT

The format of the tournament will be Captains Choice or Super Ball. With this format, each player will hit his or her drive. You select the best shot and everyone plays their next shot from that location. You continue this until the ball is holed out.

2010 Utility Working Conference Golf Tournament Sponsors

ACA

Aquilex

(2 Foursomes of Golf)

AREVA

(2 Foursomes of Golf)

B & W

(2 Foursomes of Golf)

Bechtel

(3 Foursomes of Golf)

Black & Veatch Corporation

(2 Foursomes of Golf)

COREWORX Inc.

(Beverage Cart)

Crane Nuclear Services

(2 Foursomes of Golf)

Curtiss Wright Nuclear

(2 Foursomes of Golf)

Day & Zimmermann

Enercon Services Inc.

(2 Foursomes of Golf)

Energy Solutions

EXCEL Services Corporation

(4 Foursomes of Golf)

Flowserve

Graybar

(2 Foursomes of Golf)

Hyperspring Training & Development

(2 Foursomes of Golf)

HydroAire Services, Inc.

(Bottled Water)

Invensys Operations Management

(Golf Tournament Awards Luncheon)

Nuclear Safety Associates

NWI

Rolls Royce

ScottMadden, Inc.

(2 Foursomes of Golf)

System One

(Foursome of Golf and Sponsor of the "Grab and Go" Breakfast)

Westinghouse Electric Company

(2 Foursomes of Golf)

Please see an ANS Representative at the Registration Desk to sign up for sponsorship of the 2011 UWC Golf Tournament.

DETAILED CONFERENCE SCHEDULE

PEOPLE ACHIEVING EXCELLENCE

The creative power of an engaged group of people with diverse experience and multiple perspectives in an atmosphere of free-flowing ideas is immense. We will leverage the multiple perspectives available to the nuclear power industry to generate ideas to build increasingly excellent industry performance. The working sessions will bring together vendors, consultants, regulators and utility people, all of whom are facing various and similar challenges from different viewpoints. The result will be the application of powerful creativity to current challenges leading to *People Achieving Excellence*.

MONDAY AUGUST 9, 2010 • 7:30 AM – 8:30 AM

GRAND PAVILION

Opening Plenary Breakfast in the Grand Pavilion

Co-sponsored by Bechtel Corporation and Curtiss-Wright Nuclear

MONDAY MORNING OPENING PLENARY

MONDAY AUGUST 9, 2010 • 8:30 AM – 10:00 AM

GRAND PAVILION

Opening Plenary Session: The Need for Nuclear

ANS WELCOME/OPENING REMARKS:

Jack Tuohy (*Executive Director, American Nuclear Society*)

GENERAL CHAIR WELCOME/OPENING REMARKS:

Jim Scarola (*SVP and Chief Nuclear Officer, Progress Energy*)

2010 UWC AWARDS PRESENTATION:

Jim Scarola

- 2010 Utility Leadership Award:
Michael R. Kansler (*Retired, Entergy Nuclear*)
"In recognition of exemplifying outstanding leadership in the nuclear power industry during his career, most recently as President, CEO, and Chief Nuclear Officer at Entergy Nuclear. Mike is a 30 year veteran who dedicated his time and relentless efforts to the safe and excellent operations of nuclear power facilities. Through plant acquisitions in the Northeast U.S., sustaining top plant performance throughout the Entergy fleet, providing leadership in the industry at WANO meetings, as Chairman of the Nuclear Energy Institute Nuclear Strategic Issues Advisory Committee, as a Board Member for the Institute of Nuclear Operations, and as a former member of the INPO National Nuclear Accrediting Board, he demonstrated his leadership skills to the utmost that were valued and trusted by all his peers. Notwithstanding these accomplishments, Mike has been in the forefront in promoting energy matters through speaking engagements at political and educational events, both domestic and worldwide. With integrity and dedication to the nuclear industry, the American Nuclear Society Operations and Power Division is proud to present the Utility Leadership Award to Michael R. Kansler for his tireless efforts and forward vision he has given to the nuclear industry that has been and will continue to be a stepping stone for new and more innovative visions for the future."

- 2010 Plant Achievement Award for Innovation and Breakthrough in New Technology: Arkansas Nuclear One
"The plant achievement award for innovation and breakthrough in new technology is awarded to Arkansas Nuclear One for their efforts in developing an effective Tungsten Radiation Shielding Plan. Results have shown that ANO1 has achieved higher levels of safety and worker efficiencies that have shown to maximize end results. Tungsten has been identified as a viable radiation material, possessing superior shielding properties to conventional material such as lead, steel, and water in opportunities for piping and surface applications. ANO1 aggressively pursued the development of this new technology and demonstrated safely and quickly that a flexible shield applied to various sizes of piping and surfaces was a marked improvement. The American Nuclear Society Operations and Power Division is proud to present this award to Arkansas Nuclear One in recognition of its efforts of taking a giant step forward in shielding technology using New Generation Shielding (NGS) that was a major contributor to the recent outage exposure success."
- 2010 Utility Achievement Award for Outstanding Performance in Plant Operations: Kewaunee Power Station
"For demonstrating outstanding performance in operations as the top performing plant and as the plant showing the most improved and sustainable performance in overall operations by achieving a 100 INPO rating for the latest period of evaluation and for receiving ten (10) NRC green windows in the last year, nine in Reactor Safety and one in Radiation Safety."

SPEAKERS:

- Mike Howard (*Senior Vice President, EPRI*)
- Marv Fertel (*President and CEO, NEI*)

MONDAY AUGUST 9, 2010 • 10:00 AM – 10:30 AM

AMELIA BALLROOM/FOYER

Refreshment Break in the Vendor Technology Expo

Sponsored by AREVA DZ LLC

MONDAY MORNING TECHNICAL SESSIONS

MONDAY AUGUST 9, 2010 • 10:30 AM – 12:00 PM

CONFERENCE 4 & 5

Engineering

Revisiting Engineering Workforce Hiring, Qualification and Retention Session Organizer: Vann Stephenson (*General Manager – Engineering – New Generation Programs and Projects, Progress Energy*)

With the Nuclear Power industry poised to expand, the need for quality engineers has never been greater. How do you hire and retain the right people? What qualifications drive your organization? How do you ensure the retention of value adding engineers and ensure the young engineers see a clear career path? This session will present ideas for addressing these questions and will be an exchange of best practices for addressing these issues.

SPEAKERS:

- Brunswick Staffing Recovery Progress Update,
John Titrington (*Superintendent—Design Engineering, Progress Energy*)
- AREVA Nuclear Workforce Planning - An Update,
H. Lee Williams (*Vice President Engineering Services, AREVA*)
- Revisiting Engineering Workforce Hiring, Qualification and Retention,
Jim Ice (*Director Talent Management, Westinghouse*)

DETAILED CONFERENCE SCHEDULE

MONDAY AUGUST 9, 2010 • 10:30 AM – 12:00 PM

OSSABAW

Executive

People Excel through Executive Example

Session Organizers: Richard Cole (*Consultant, NWI Consulting*),
Don Eggett (*Executive Manager, Bus Dev, AES Corporation*)

Excellence through people's performance is vital to a successful outcome. This outcome is highly dependent on executive leadership. Executive leadership establishes the road to excellence. This is true in every part of the industry, but more so in the nuclear industry due to the nature of our business and overall public perception. Utility Owners, the Nuclear Regulatory Commission (NRC), and INPO are continually focusing on plant excellence and each entity is aware excellence can only be achieved through the engagement of every individual involved. This engagement can only be achieved through the example our executives and leaders provide on a continuing basis.

This session will focus on the perspectives of executive leadership, both from the utility and from the regulatory agency standpoint, and what is needed to attain excellence in people's performance, both today and for the future.

MODERATOR:

- Don Eggett (*Executive Manager, Bus Dev, AES Corporation*)

SPEAKERS:

- Tony Pietrangelo (*Senior Vice President and CNO, NEI*)
- Luis Reyes (*Region II Regional Administrator, USNRC*)
- Amir Shahkarami (*Senior Vice President, Exelon*)

MONDAY AUGUST 9, 2010 • 10:30 AM – 12:00 PM

CUMBERLAND C

Nuclear Knowledge Management

The Need for NKM (Business Cases Demonstrating the Value of Nuclear Knowledge Management)

Session Organizer: Vince Gilbert (*Chief Knowledge Officer, Excel Services*)

NKM is one of the distinguishing factors between the Nuclear Industry and all of the rest. With an active sharing environment and life cycle challenges extending 100 years, the nuclear industry is accomplished in creating, maintaining and leveraging knowledge as a critical. But for many years we did not call it knowledge management but nevertheless that is the label that fits according to the International Atomic Energy. This session will showcase several work settings where NKM demonstrates a compelling business case.

SPEAKERS:

- Opening Remarks,
Vince Gilbert (*Chief Knowledge Officer, Excel Services*)
- Building the Energy Case,
Gary Gilmartin (*Executive Director, Oak Ridge Energy Corridor*)
Greg Hott (*President, ATC – Nuclear Division*)
- Rational Decision-Making: Selecting a Best I&C System for the Bellefonte Construction Re-Start,
Gary Adkins (*Senior Project Manager, TVA*)
Geoff Edelman (*Director-Energy Group, Kepner-Tregoe*)

MONDAY AUGUST 9, 2010 • 10:30 AM – 12:00 PM

SAPELO

Operations

Licensed Operator Training Workshop (Part I)

Session Organizer: Preston Pratt

Worried about the challenges of qualifying future License Operator Candidates? Curious about what the future holds for the pipeline? Concerned about the biggest obstacles in the industry? In this interactive session, you will sit down with your counterparts and peers to tackle the most relevant operator training issues for operating facilities head-on. You will hear view points from the NRC, NEI, INPO, and industry peers. It is an opportunity to discuss one of the industry's most challenging issues from every perspective. Join us and be a part of the solution.

SPEAKERS:

- Tom Van Wyen (*Site Training Director—TMI*)
- Jack McHale (*Chief—NRR Operator & Training Branch, USNRC*)
- Pete Knoetgen (*Director—Accreditation, INPO*)
- Sam Hansell (*Operations Branch Chief, NRC*)

MONDAY AUGUST 9, 2010 • 10:30 AM – 12:00 PM

CUMBERLAND A

Oversight

Aggregation of Oversight Information for Assessment of Operating Plant/Fleet Performance (Part I)

Session Organizer: Debbie Towler (*Manager, Quality, STP Nuclear Operating Company*)

Independent Oversight Assessment of Overall Operating Plant Performance – Presenting the Message

A panel discussion with Independent Oversight representative, as well as the NRC, discussing various methods used to aggregate and assess and report station performance, both real-time and periodically through analysis of performance data to identify declining trends and shortfalls.

MODERATOR:

Debbie Towler (*Manager, Quality, STP Nuclear Operating Company*)

PANELISTS:

- Bob Hovey (*Vice President Nuclear Oversight, Exelon*)
- Mike Smith (*Manager Nuclear Oversight, Surry Power Station, Dominion*)
- Joe Donahue (*Vice President Nuclear Oversight, Progress Energy*)
- Karen Fili (*Vice President Fleet Oversight, First Energy*)
- Fred Brown (*Director – Division of Inspection and Regional Support, USNRC*)
- Tom Palmisano (*VP Nuclear Oversight, Entergy*)

MONDAY AUGUST 9, 2010 • 10:30 AM – 12:00 PM

CONFERENCE 1 & 2

Performance Improvement

PI 2010: Achievements, Challenges, Strategies

Session Organizer: Bill Corcoran

This session will bullet the past, present, and future of Performance Improvement. It will feature a series of provocative thought starters.

DETAILED CONFERENCE SCHEDULE

SPEAKERS:

- Welcome to PI 2010,
Bill Corcoran, President (*NSRC Corp.*)
- Making Great Greater,
Ludwig (T-Bow) Thibault (*Advisor, CNO, TVA*)
- A Relentless Focus on Eliminating Process Waste,
Tim Hill (*Manager of Continuous Business Excellence (CBE), Progress Energy*)
- CAP Supporting Leadership,
Dick Swanson (*President, Performance Management Initiatives, Inc.*)
- Resuscitation to Rejuvenation,
Dwight Mims (*VP Regulatory Affairs & Plant Improvement, Palo Verde*)
- CAPOG-Improving All CAPs,
Graem Meteer (*Senior officer, PI Strategy (President of CAPOG), Ontario Power Generation Nuclear*)
- Industry Challenges,
Bill Nelson (*Principal Consultant, Det Norske Veritas*)

MONDAY AUGUST 9, 2010 • 10:30 AM – 12:00 PM

TALBOT

Regulatory Relations

Aggregate Impacts of Rulemakings

Session Organizer: Trent Wertz

The panel will discuss the cumulative impacts of recent NRC regulatory actions [e.g. Part 26, power reactor security, cyber security, emergency preparedness rulemakings] with the intent of better understanding these impacts and identifying potential future adjustments, as warranted.

What actions can industry take to fully inform the NRC of such impacts; and, what actions can the NRC take to consider such impacts, adjust implementation requirements, and mitigate the aggregate impact of the imposed actions.

MODERATOR:

Jack Grobe (*Deputy Director for Engineering and Corporate Support – Office of Nuclear Reactor Regulation, USNRC*)

PANELISTS:

- Tim Reed (*Senior Project Manager – Division of Rulemaking, USNRC*)
- Keith Jury (*Vice President – Licensing & Regulatory Affairs, Exelon Generating Company*)
- Alex Marion (*Vice President – Nuclear Operations, NEI*)

MONDAY AUGUST 9, 2010 • 10:30 AM – 12:00 PM

CONFERENCE 3

Risk Management

Commonly Misunderstood Supporting Requirements in the Fire PRA Standard—Workshop

Session Organizers: Ching Guey (*Tennessee Valley Authority*) and Robert Rishel (*Progress Energy*)

Although developed through a consensus process, the Fire PRA Standard has been viewed differently in recent peer reviews than what the authoring committee anticipated.

Presentations in this workshop will highlight some of the more commonly misunderstood Supporting Requirements that have represented obstacles in achieving Capability Category II. In addition, participants are encouraged to come prepared to share relevant experiences and to identify other opportunities to improve clarity and to promote a mutual understanding.

SPEAKERS:

- Ching Guey (*PRA Manager, TVA*)
- Robert Rishel (*PRA Manager, Progress Energy*)

MONDAY AUGUST 9, 2010 • 10:30 AM – 12:00 PM

CUMBERLAND B

Work Management/Project Management

Maintenance Productivity

Session Organizer: Chris Vlahoplus (*Partner, ScottMadden*)

Getting the most work completed by the maintenance organization requires a focus on work management and maintenance practices. This session will address approaches to improving maintenance productivity.

SPEAKERS:

- Opening Remarks,
Chris Vlahoplus (*Partner, ScottMadden*)
- NGG Productivity Study,
Brent Matherne (*Fleet Manager On-line Scheduling, Progress Energy*)
- Maintenance Productivity Initiatives at Exelon,
Pat Boyle (*Corporate Work Management Director, Exelon*)
- Maintenance Productivity Improvement,
Kevin Mulligan (*General Manager Plant Operations, Entergy*)

MONDAY AUGUST 9, 2010 • 12:00 PM – 1:30 PM

AMELIA BALLROOM/FOYER

Walk Around Luncheon in the Vendor Technology Expo

Co-sponsored by Westinghouse Electric Company

MONDAY AFTERNOON GENERAL SESSION

MONDAY AUGUST 9, 2010 • 1:30 PM – 2:30 PM

GRAND PAVILION

General Session

Delivering The Message – Smart Use of Social Media

Session Organizer: Scott Peterson (*Vice President, Communications, Nuclear Energy Institute*)

SPEAKERS:

- Scott Peterson (*Vice President, Communications, Nuclear Energy Institute*)
- Eliot Brenner (*Director – Office of Public Affairs, USNRC*)
- Beth Foley (*Director of External Communications, PG&E*)

DETAILED CONFERENCE SCHEDULE

MONDAY AUGUST 9, 2010 • 2:30 PM – 3:00 PM

AMELIA BALLROOM/FOYER

Afternoon Refreshment Break in the Vendor Technology Expo

MONDAY AFTERNOON TECHNICAL SESSIONS

MONDAY AUGUST 9, 2010 • 3:00 PM – 5:00 PM

CONFERENCE 4 & 5

Engineering

Engineering Human Performance

Session Organizer: Vann Stephenson (Progress Energy)

While Human Performance is important for all disciplines, engineers work in knowledge space rather than procedure space a great deal of the time and so have a unique set of challenges in the area of human performance. In this session we will discuss these unique challenges and share best practices for improving human performance for engineers.

SPEAKERS:

- Technical/Human Performance Observations, Fred Brown (*Director – Division of Inspection, USNRC*)
- INPO Perspective on Engineering Human Performance, Gary Welsh (*Manager Engineering/Configuration Management, INPO*)
- Technical Human Performance + Technical Conscience, Amir Shahkarami (*Senior Vice President, Exelon*)

MONDAY AUGUST 9, 2010 • 3:00 PM – 5:00 PM

CUMBERLAND C

Nuclear Knowledge Management

Do We Need a Nuclear Business Leaders Forum and Network?

Session Organizer: Terry Dimmery (General Manager, Business Planning, Duke Nuclear Generation)

A creative problem solving session using an Expert Panel. Several events have occurred since 2005 that have reduced the US Nuclear Industry's ability to pulse the Business Leaders, including Fleet Business Managers. These events include termination of the NEI Benchmarking Program and NEI Business Forums as well as suspension of the Nuclear Asset Management Communities of Practice. While these changes may not have been missed right away, the lack of some type of Business Leaders Forum and Network is being contemplated as a weakness by some Fleet Business Managers. This session will hear from some of those leaders as well as industry support organizations in an Expert Panel convened to discuss and resolve the issue.

PANEL MODERATOR:

Terry Dimmery (*General Manager, Business Planning, Duke Nuclear Generation*)

PANELISTS:

- Francisco Cleaves (*Director of Business Operations, Exelon*)
- Bob Waselus (*Manager of Business Services, SCANA*)
- John Walker (*Senior Manager Nuclear Business Planning, TVA*)
- Neil Wilmshurst (*Vice President, Nuclear, EPRI*)

MONDAY AUGUST 9, 2010 • 3:00 PM – 5:00 PM

SAPELO

Operations

Licensed Operator Training Workshop (Part II)

Session Organizer: Preston Pratt

Worried about the challenges of qualifying future License Operator Candidates? Curious about what the future holds for the pipeline? Concerned about the biggest obstacles in the industry? In this interactive session, you will sit down with your counterparts and peers to tackle the most relevant operator training issues for operating facilities head-on. You will hear view points from the NRC, NEI, INPO, and industry peers. It is an opportunity to discuss one of the industry's most challenging issues from every perspective. Join us and be a part of the solution.

FACILITATOR:

Tom Van Wyen (*Site Training Director—TMI*)

SPEAKERS:

- Tom Van Wyen (*Site Training Director—TMI*)
- Jack McHale (*Chief—NRR Operator & Training Branch, USNRC*)
- Pete Knoetgen (*Director—Accreditation, INPO*)

MONDAY AUGUST 9, 2010 • 3:00 PM – 5:00 PM

CUMBERLAND A

Oversight

Aggregation of Oversight Information for Assessment of Operating Plant/Fleet Performance (Part II) —

Using Independent Oversight to Improve Performance

Session Organizer: Debbie Towler (Manager, Quality, STP Nuclear Operating Company)

A panel discussion with Independent Oversight representatives as well as a representative from INPO to discuss different ways the Independent Oversight organization is/was used by the station to help improve performance.

MODERATOR:

Debbie Towler (*Manager, Quality, STP Nuclear Operating Company*)

PANELISTS:

- Bob Hovey (*Vice President Nuclear Oversight, Exelon*)
- Tom Palmisano (*Vice President Nuclear Oversight, Entergy*)
- Mike Smith (*Manager Nuclear Oversight, Surry Power Station, Dominion*)
- Joe Donahue (*Vice President Nuclear Oversight, Progress Energy*)
- Karen Fili (*Vice President Fleet Oversight, First Energy*)
- Dave Adams (*Principal Program Manager for Corporate Evaluations, INPO*)

MONDAY AUGUST 9, 2010 • 3:00 PM – 5:00 PM

CONFERENCE 1 & 2

Performance Improvement

Regaining, Improving and Sustaining Performance

Session Organizer: Don Wheeler (Dept. Leader, PI Dept., Palo Verde)

Focusing on getting back to excellence, continuing the trajectory, and keeping the gains.

DETAILED CONFERENCE SCHEDULE

SPEAKERS:

- Maria Lacal (*Director PI, Palo Verde*)
- Fred Lake (*Dept. Leader, CAP, Palo Verde*)
- Don Wheeler (*Dept. Leader, PI Dept., Palo Verde*)

MONDAY AUGUST 9, 2010 • 3:00 PM – 5:00 PM

TALBOT

Regulatory Relations

Licensing Challenges During Construction

Session Organizer: Donna Williams

Session Leader: David Matthews (*Director, Division of New Reactor Licensing*)

Once an applicant completes the “licensing” process and receives a Combined License (COL), they become an NRC “licensee.” One of the principal impacts of that transition is a licensee’s immediate assumption of responsibility for maintaining the plant’s licensing basis... a responsibility that extends from the date of COL issuance, through the construction period, and into operational status—for the duration of the license term. Licensing basis maintenance during construction is a new challenge—for both the NRC and the expected licensees. This session will address the challenges that will be faced by licensees, constructors, and regulators in dealing with licensing processes such as 50.59-like screenings and evaluations, exemptions, and 50.90 amendments.

SPEAKERS:

- David Matthews (*Director, Division of New Reactor Licensing, USNRC*)
- Charles Cronan (*Director of Engineering, Shaw Group*)
- Jerry Wilson (*Office of New Reactors, USNRC*)
- Russ Bell (*Director of New Plant Licensing, NEI*)

MONDAY AUGUST 9, 2010 • 3:00 PM – 5:00 PM

OSSABAW

Risk Management

A Survey of Innovations, Achievements, and Lessons-Learned in Fire Modeling for PRA

Session Organizers: James Masterlark (*EPM, Inc.*),

Richard Mrozinsky (*NextEra Energy*)

In the early development of the Fire PRA, it became apparent that more sophisticated fire modeling would be necessary if licensees were to achieve the risk metrics required for a regulatory submittal. This session will examine some of the innovations that utilities and vendors have made to obtain more realistic results in the area of fire modeling, heat release rates, zone of influence, time to damage, and fire propagation. Attendees can expect a very hands-on feel to presentations in this session.

PRESENTATION TITLES:

- Refined Analysis of Damage for Unique Configurations of Raceways and Equipment using Fire Dynamics Simulator, Robert Kalantari (*Director of Engineering, EPM, Inc.*)
- Use of Computational Fluid Dynamic Models to Evaluate Operator Habitability for Manual Actions in Fire Compartments, Rick Mrozinsky (*Senior Engineer, Point Beach/NextEra*)
- Fire PRA Scenario Development: An Approach for Aligning Fire Experience and HRR Data, Kiang Zee (*Vice President, ERIN Engineering*)

SPEAKERS: (CONTINUED)

- Improvements in Methods for more Realistic Fire PRAs, Robert Rishel (*PRA Manager, Progress Energy*); and Nathan Block (*Principle Consultant, Red Wolf Associates*)

MONDAY AUGUST 9, 2010 • 3:00 PM – 5:00 PM

CUMBERLAND B

Work Management/ Project Management

PM/Backlog Management

Session Organizer: Sean Lawrie

PM Optimization efforts have impacted the ability to complete work within the existing capacity and backlog constraints. In many cases, PM volumes have grown significantly. This session will cover lessons on how to transition to accommodate the new PM requirements.

SPEAKERS:

- Lessons Learned – Where We Did It Wrong, Chris Orr (*Work Control On-Line Manager, Duke Energy*)
- A Success Story, Rick Grantom (*Manager of Risk Management, STPNOC*)
- Presentation Title — TBD, Alan Smith (*Manager of Maintenance, Outage and Work Management, INPO*)

TUESDAY AUGUST 10, 2010 • 7:00 AM – 8:15 AM

OCEAN VIEW ROOM AND TERRACE

Sunrise Breakfast

Sponsored by Sargent & Lundy

TUESDAY MORNING GENERAL SESSION

TUESDAY AUGUST 10, 2010 • 8:30 AM – 9:30 AM

GRAND PAVILION

General Session

Life After 40 – A Technology or People Problem

Session Organizer: Jim Scarola (*Progress Energy*)

SPEAKERS:

- Jeffrey Merrifield (*Senior Vice President, Shaw Power Group and former Commissioner, USNRC*)
- William Borchardt (*Executive Director for Operations, USNRC*)

TUESDAY AUGUST 10, 2010 • 9:30 AM – 10:00 AM

AMELIA BALLROOM/FOYER

Refreshment Break in the Vendor Technology Expo

Sponsored by AREVA DZ LLC

DETAILED CONFERENCE SCHEDULE

TUESDAY MORNING TECHNICAL SESSIONS

TUESDAY AUGUST 10, 2010 • 10:00 AM – 12:00 PM

CONFERENCE 4 & 5

Engineering

Achieving Equipment Reliability

Session Organizer: Dan Strong (*Progress Energy*)

This is a time to reevaluate the basics of our Equipment Reliability (ER) processes and practices. Even with the financial budget pressures and ever increasing demands of aging plants and equipment, Equipment Reliability can be improved. This session will focus on improvements in Equipment Reliability and the actions that plants use to be successful.

SPEAKERS:

- Examples in Achieving Equipment Reliability Improvement, Patrick Boyle (*Nuclear Corporate Work management Director, Exelon*)
- Nuclear Power Industry Equipment Reliability - Where We Have Been and Where We Are Heading, Paul VonHatten (*Director – Fleet Equipment Reliability, Ontario Power Generation*)

TUESDAY AUGUST 10, 2010 • 10:00 AM – 12:00 PM

CUMBERLAND C

Nuclear Knowledge Management

Sustaining NKM Through the Life Cycle

Session Organizer: Vince Gilbert (*EXCEL Services Corporation*)

The NKM Track is prepared to help answer the Plenary question: *Life After 40 – A Technology or a People Problem?*. In fact, NKM is formally established to address knowledge problems throughout the NPP Life Cycle. In this session we will hear from speakers on topics related to Knowledge Transfer and Retention, solving problems using knowledge mapping methods called Business Modeling, achieving improved outages with advanced project management and decision support and documenting Quality Control knowledge for the next generation.

SPEAKERS:

- Knowledge Transfer and Peer Monitoring at SONGS/SCE, Rich St. Onge (*Regulatory Affairs Director, SONGS/SCE*)
- Engineering Change Improvement and Standardization Project, Donna Nichols (*Regional Practice Director, Business Genetics*)
- Improved Configuration Management with the B&W mPower™ Reactor, Glenn Williams (*Vice President, P Power Systems*); and Michael Childerson (*Manager, Generation mPower Engineering*)
- Industry Quality Control Guide, Jim Fisicaro (*Licensing Specialist, TANE-Toshiba*)

TUESDAY AUGUST 10, 2010 • 10:00 AM – 12:00 PM

SAPELO

Operations

Operations Supervisor Engagement, Enforcement of Standards and Succession Planning

Session Organizer: Carol Barajas (*Corporate Operations Director, Exelon Corp.*)

The Operations First Line Supervisor is one of the most critical roles in our operating plants. Changing demographics in both the operations supervisor and operator ranks require improved strategies for preparing new supervisors to be effective in enforcing standards and expectations while engaging the work force in performance improvements. Supervisory development is an ongoing process which begins the moment an individual is identified as a potential licensed operator candidate and a future first line supervisor. Development of these individuals continues throughout their career.

SPEAKERS:

- Carol Barajas (*Corporate Operations Director, Exelon Corp.*)
- Tom Chalmers (*Clinton Operations Director, Exelon Corp.*)
- Robert Hovey (*Vice President Nuclear Oversight, Exelon Corp.*)

TUESDAY AUGUST 10, 2010 • 10:00 AM – 12:00 PM

CUMBERLAND A

Oversight/Regulatory Relations

Construction Reactor Oversight Process (cROP)/Safety Conscious Work Environment and NRC Oversight of New Construction

Session Organizers: Bill Moohkoek (*Licensing Supervisor for New Units, STPNOC*), Glenn Tracy (*Director Division of Construction Inspection and Operational Programs, USNRC*)

The NRC has been developing the New Reactors Construction Oversight Program to support the inspection activities for new reactors patterned after the basic principles of the operating Reactor Oversight Process. This session will review progress to date on the project, discuss guidance for establishing a safety conscious work environment for new nuclear power plant construction sites, and provide an update on regulatory activities in the areas of construction and vendor inspection program development and implementation, including: closure verification and the oversight of the maintenance of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC); engineering design inspections; and, international cooperation.

SPEAKERS:

- Glenn Tracy (*Director Division of Construction Inspection and Operational Programs, USNRC*)
- Bill Moohkoek (*Licensing Supervisor for New Units, STPNOC*)
- Jim Fisicaro (*Licensing Specialist, TANE-Toshiba*)
- Thomas Kozak (*Senior Reactor Operations Engineer, USNRC*)

DETAILED CONFERENCE SCHEDULE

TUESDAY AUGUST 10, 2010 • 10:00 AM – 12:00 PM

CONFERENCE 1 & 2

Performance Improvement

Corrective Action Program: Keys to Performance Improvement

Session Organizers: Dick Swanson (*President, PMI, Inc.*),
Ted Dannemiller (*Operations Readiness Supervisor, Vogtle 3/4 Project*)

This session will explore several aspects of Corrective Action Program influence on performance in new construction, 'troubled plant' recovery, setting the stage for sustained improvement, and leveraging the CAP investment.

SPEAKERS:

- Recent CAP Experience at Palisades: Turning a Corner,
Timothy O'Leary (*Corrective Actions & Assessments Manager, Palisades Nuclear Plant*)
- Thirteen Steps to a World Class CAP,
Bill Corcoran (*President, NSRC Corp*)
- Nuclear Safety Culture and CAP Interactions,
Ted Dannemiller (*Operations Readiness Supervisor, Vogtle 3/4 Project*)
- A Site VP's Thoughts on CAP,
J. Randy Johnson (*Site VP, Farley Nuclear Plant*)
- Getting Return on Investment in Performance Improvement,
Robert L. Gambone (*VP, Plant Operations, INPO*)

TUESDAY AUGUST 10, 2010 • 10:00 AM – 12:00 PM

TALBOT

Regulatory Relations

Leaks of Tritiated Water and Degradation of Buried Piping

Session Organizer: Trent Wertz (*USNRC*)

There have been several recent leaks from degraded buried piping that have created significant and passionate stakeholder interest. The panel will provide a background with respect to recent events involving leakage, review current and future staff activities to address buried piping issues, describe the industry's Buried Piping Integrity Initiative, a voluntary initiative created by the industry's chief nuclear officers, and discuss degradation of buried piping in the perspective of a larger, comprehensive effort to address tritium groundwater contamination.

MODERATOR:

Jack Grobe (*Deputy Director for Engineering and Corporate Support – Office of Nuclear Reactor Regulation, USNRC*)

PANELISTS:

- Alex Marion (*Vice President, Nuclear Operations, Nuclear Energy Institute*)
- Bo Clark (*Program Manager - Plant Support Engineering & Balance of Plant Corrosion, Electric Power Research Institute*)
- Bob Hardies (*Senior Level Advisor for Materials Engineering – Division of Component Integrity, USNRC*)
- Chuck Casto (*Deputy Regional Administrator – Region IV, USNRC*)

TUESDAY AUGUST 10, 2010 • 10:00 AM – 12:00 PM

OSSABAW

Risk Management

Recent Advances and Near-Term Opportunities for PRA Applications in Risk-Informed Regulations

Session Organizers: Biff Bradley (*NEI*), Andrew Howe (*USNRC*)

As more licensees move to PRA applications subject to risk-informed regulations (e.g., RITSTF Initiatives 4b and 5b), the experience gained by the early adopters indicates that PRA continues to be an effective tool for influencing decisions on where to focus resources to achieve the greatest safety improvements while minimizing operational burden. Presentations in this session are expected to include a review of those early PRA results, the status of current adoption efforts, and plans for future risk-informed regulations.

SPEAKERS:

- Exelon Risk-Informed Applications: Recent Experience and New Initiatives,
Brandon Irvin (*Risk Management Operations Manager, Exelon*)
- Plans for Risk-Informed Applications,
Amir Afzali (*Manager PRA, Southern Nuclear*)
Norman J. (Jack) Stringfellow (*Licensing Manager, Southern Nuclear*)
- Leveraging Fire PRA,
Robert Rishel (*PRA Manager, Progress Energy*)
- Near Term Opportunities in Risk Informed Applications,
C.R. (Rick) Grantom (*Manager – Risk Management, STNOC*)
- Outlook for Risk-Informed Initiatives,
Biff Bradley (*Director – Risk Assessment, NEI*)
- NRC Perspective on Near Term Opportunities in Risk-Informed Applications,
Andrew Howe (*Sr. Reliability and Risk Analyst, USNRC*)

TUESDAY AUGUST 10, 2010 • 10:00 AM – 12:00 PM

CUMBERLAND B

Work Management / Project Management

Project Management Best Practices (Part I)

Session Organizer: Bill Flanagan (*Senior Consultant, Black Diamond Associates*)

The industry has mixed results in being able to manage large projects. Cost and schedule overruns are common. In addition, our "ticket to the game" of building new nuclear is our ability to demonstrate ability to manage large projects such as power uprates, steam generator replacements.

SPEAKERS:

- Plant Productivity Improvements,
Joseph Nasar (*Technical Executive, EPRI*)
- Project Risk Management,
Bill Flanagan (*Senior Consultant, Black Diamond Associates*)
- Project Change Control,
Jon Kerin (*Manager, PM Center of Excellence, Progress Energy*)

TUESDAY AUGUST 10, 2010 • 12:00 PM – 1:30 PM

AMELIA BALLROOM/FOYER

Walk Around Luncheon in the Vendor Technology Expo

DETAILED CONFERENCE SCHEDULE

TUESDAY AFTERNOON GENERAL SESSION

TUESDAY AUGUST 10, 2010 • 1:30 PM – 2:30 PM

GRAND PAVILION

General Session

Succession Planning – Developing Leaders from Generation Y

Session Organizer: Mike Spellman (*Progress Energy*)

SPEAKERS:

- Victor Synylo (*Utilities People and Change Director, PriceWaterhouseCoopers*)
- Ann Winters (*Senior Project Manager for Industry Leadership Development, Institute of Nuclear Power Operations*)

TUESDAY AUGUST 10, 2010 • 2:30 PM – 3:00 PM

AMELIA BALLROOM/FOYER

Afternoon Refreshment Break in the Vendor Technology Expo

An idea is emphasized in the discussions as to how Generation Y employees can rise to leadership positions more quickly by embracing NKM methods including IAEA Process-oriented Knowledge Management. Also the leadership needed globally to participate and act upon gaps found from the new IAEA NKM Survey will be discussed as an action all potential leaders should understand.

SPEAKERS:

- Knowledge Management in NPPs – A Tool for Operational Excellence,
John de Grosbois (*Manager - Electrical, Control, and Information Systems, Enhanced CANDU 6 Reactor Program, AECL*)
- Knowledge Management – the Foundation of Performance Excellence,
Jim Hill (*Senior Project Manager, Xcel Energy*)
- KKL Leadership in NKM,
Thomas Gysel (*Business Director, KKL Leibstadt NPP*)
- Daya Bay NPOM Fleet Business Case,
Steven Lau (*First Deputy General Manager, Daya Bay NPOM*), invited

TUESDAY AFTERNOON TECHNICAL SESSIONS

TUESDAY AUGUST 10, 2010 • 3:00 PM – 5:00 PM

CONFERENCE 4 & 5

Engineering

Managing Equipment Reliability Workload

Session Organizer: Dan Strong (*Progress Energy*)

Maximizing Equipment Reliability means more than just working harder. Engineers prioritize their own workloads and provide input for prioritizing work loads of all personnel at nuclear power plants. This session will share best practices for managing those workloads in the best way to maintain our equipment in the most reliable condition.

SPEAKERS:

- Balancing Work Load and Resources,
Alan Smith (*Assistance Deputy Director, INPO*)
- Plant Health Heights, Plateaus, and Pitfalls,
John Caves (*Manager – Nuclear Technical Services, Progress Energy*)

TUESDAY AUGUST 10, 2010 • 3:00 PM – 5:00 PM

CUMBERLAND C

Nuclear Knowledge Management

Leadership as a Driver for NKM

Session Organizer: Jim Hill (*Senior Project Manager, Xcel Energy*)

This session will cite case studies as to the importance of Leadership in creating and maintaining an NKM system in nuclear operating organizations.

TUESDAY AUGUST 10, 2010 • 3:00 PM – 5:00 PM

SAPELO

Operations

Creating a Culture of Commitment and Personal Accountability

Session Organizer: Preston Pratt

Successful organizations are those organizations where employees at all levels step up and accept that they are responsible for their actions and their group's performance. Some organizations place heavy emphasis on accountability but fail to consider how to move the culture to one of commitment. A culture of commitment is a cultural state where employees do the right thing, because they are connected to their leadership and the organization. This talk will focus on the cultural characteristics and leadership traits that create a culture of commitment and accountability. There will also be a focus on how organizations successfully tackle the difficult challenge of changing culture.

SPEAKER:

Don Groover (*Executive Vice President, BST Solutions*)

TUESDAY AUGUST 10, 2010 • 3:00 PM – 5:00 PM

CUMBERLAND A

Oversight

QA/QC Staffing and Qualifications

Session Organizer: Mark Harvey (*Director, Quality & Performance Improvement, UNISTAR Nuclear Energy*)

Successful new plant construction projects require significant Quality Control and Quality Assurance resources.

DETAILED CONFERENCE SCHEDULE

This session will include the following:

- Current QC/QA staffing and qualification status for Operating Plants and a discussion on the projected need for new plant construction projects
- Initiatives taken to develop a QC/QA pipeline
- ASME activities ongoing to address the need for NDE personnel
- Perspectives from an educational institution partner on the challenges of developing this program as well as the support required by the “sponsor utilities”

SPEAKERS:

- James Maddox (*Director, New Plant Deployment, INPO*)
- Mark Harvey (*Director, Quality & Performance Improvement, UNISTAR Nuclear Energy*)
- William H. Miller (*Professor, University of Missouri*)
- Michael Turnbow (*General Manager Inspection/Testing, TVA*)
- Tom Mudge (*Quality Manager, URS*)
- John Gidden (*Quality Manager, Southern Company*)
- Randy Byrd (*Quality Manager, Fluor*)

TUESDAY AUGUST 10, 2010 • 3:00 PM – 5:00 PM

CONFERENCE 1 & 2

Performance Improvement

Using ‘Lean’ to Improve Business Performance

Session Organizer: Tim Hill (*Director of Business Excellence Nuclear Generation Group, Progress Energy*)

Lean – the relentless focus on the identification and elimination of waste within the “value stream” of a product or service, has been used successfully for many years in the manufacturing, healthcare, and other service industries.

Achieving financial targets through cost control and revenue generation, while increasing safety and operational performance are more critical than ever in this demanding environment. This session will focus on the application of Lean thinking within a nuclear power plant or fleet.

SPEAKERS:

- Lean Overview, Recent Success, Results and Benefits, Tim Hill (*Director of Business Excellence Nuclear Generation Group, Progress Energy*)
- Emilio Farina (*Directing Manager Center for Operational Excellence, Nuclear Division - FPL Group*)
- Todd McCann (*Manager Nuclear Operating System, Luminant*)
- Jim Glass (*Section Leader, Process Improvement, Palo Verde Nuclear Generating Station*)

TUESDAY AUGUST 10, 2010 • 3:00 PM – 5:00 PM

TALBOT

Regulatory Relations

Fire Protection at Operating Reactors: Perspectives on Two Fire Protection Regulatory Guides

Session Organizer: Trent Wertz (*USNRC*)

This panel discussion will provide regulatory and industry perspectives on two fire protection regulatory guides revised in late 2009.

RG 1.189 was revised to provide clear guidance for licensees to address the long-standing issue of fire-induced circuit failures. RG 1.205 was revised to incorporate lessons learned from the plants transitioning to a risk-informed, performance-based licensing basis under 10 CFR 50.48(c), NFPA 805.

MODERATOR:

Jack Grobe (*Deputy Director for Engineering and Corporate Support – Office of Nuclear Reactor Regulation, USNRC*)

PANELISTS:

- Joe Donahue (*Vice President – Nuclear Oversight, Progress Energy*)
- Alex Klein (*Chief, Fire Protection Branch, Division of Risk Assessment, USNRC*)
- Donnie Harrison (*Chief, PRA Licensing Branch, Division of Risk Assessment, USNRC*)

TUESDAY AUGUST 10, 2010 • 3:00 PM – 5:00 PM

OSSABAW

Risk Management

What Can We Learn From the PRA Efforts for New Builds?

Session Organizers: Rick Grantom (*STPNOC*), James K. August (*CORE, Inc.*)

Many PRA requirements for new nuclear plants are considered enhancements for the existing plants. The effort to close the gap on evolving PRA standards, while simultaneously finalizing new plant designs presents unique challenges. It also provides insights on future approaches to PRA requirements for operating plants. This session will address development issues for new construction, ranging from the regulatory treatment of non-safety systems (RTNSS) to new PRA requirements like reliability assurance programs (RAP), SRP Chapter 17.4. It will shed light on PRA for design, construction, and early new construction operations.

SPEAKERS:

- Operationalizing PRA, New Design PRA Development SSC and the RA, James K. August (*Vice President of Operations, CORE, Inc.*)
- Approach of PRA on Gas Turbine Generator Implementation, Kengo Tatsukawa (*MHI, US APWR Licensing, Comanche Peak Project*), Futoshi Tanaka (*Mitsubishi Nuclear Energy Systems, Inc.*)
- AP-1000 PRA Challenges: New Passive Safe Approach, Matthew Evan (*Engineer, Westinghouse*)
- ABWR Risk Management Experience at STP, Rick Grantom (*Risk Management Manager, STPNOC*), GE Hitachi (TBD)

DETAILED CONFERENCE SCHEDULE

TUESDAY AUGUST 10, 2010 • 3:00 PM – 5:00 PM

CUMBERLAND B

Work Management/ Project Management

Project Management Best Practices (Part II)

Session Organizer: Bill Flanagan

The industry has mixed results in being able to manage large projects. Cost and schedule overruns are common. In addition, our “ticket to the game” of building new nuclear is our ability to demonstrate ability to manage large projects such as power uprates, steam generator replacements.

SPEAKERS:

- Project Oversight and Assessment,
Jeff Levin (*Senior Project Manager, Constellation Energy*)
- Staffing Projects with the Right People,
Jim Veglia (*Director Fleet Projects, First Energy*)
- PMI College of Scheduling Initiatives,
Harold "Mike" Mosley (*Program Director, Zachry Nuclear Construction*)

TUESDAY AUGUST 10, 2010 • 5:00 PM – 6:30 PM

AMELIA BALLROOM/FOYER

Reception in the Vendor Technology Expo

*Appetizers Sponsored by the Technology Expo Vendors
Beer/Wine/Soft Drinks Sponsored by Kinectrics, Inc.*

TUESDAY AUGUST 10, 2010 • 7:00 PM – 11:00 PM

GRAND PAVILION

EXCEL Services Corporation Evening Event

WEDNESDAY AUGUST 11, 2010 • 7:30 AM – 8:30 AM

AMELIA BALLROOM/FOYER

Breakfast in the Vendor Technology Expo

WEDNESDAY MORNING GENERAL SESSION

WEDNESDAY AUGUST 11, 2010 • 8:30 AM – 9:30 AM

CUMBERLAND A & B

General Session: Generation IV and Beyond: What's Next for Nuclear Power

President Obama has established very ambitious goals for the U.S. regarding reductions of greenhouse gas emissions and increases in energy security. To meet these goals, nuclear energy will need to be expanded beyond its current role of centralized baseload electricity generation. Extending nuclear energy to more customers and applications will require different types and sizes of reactor systems. Advanced high-temperature reactors, fast-spectrum reactors, and small modular reactors that can meet this demand are under development in the universities, the national laboratories, and the commercial industry. A status of these designs, their promises and their challenges will be discussed.

SPEAKER:

Dr. Daniel T. Ingersoll (*Senior Program Manager, Nuclear Technology Programs, Oak Ridge National Laboratory*)

WEDNESDAY AUGUST 11, 2010 • 9:30 AM – 10:00 AM

AMELIA FOYER

Refreshment Break in the Vendor Technology Expo

Sponsored by IBM

WEDNESDAY MORNING TECHNICAL SESSIONS

WEDNESDAY AUGUST 11, 2010 • 10:00 AM – 12:00 PM

TALBOT

Engineering/Operations

Engineering/Operations Human Performance Workshop Session

Session Organizer: Rey Gonzalez (*Director – Nuclear Generation & Services, Practicing Perfection Institute*)

The Engineering Human performance workshop session will be a joint Engineering/Operations Human performance workshop. We will be evaluating case studies of events that have occurred when there was a breakdown between Engineering and Operations.

The Industry has seen events in this area that were caused by such things as:

- Failure to collaborate
- Ineffective communications
- Poor decision-making
- Non-validated assumptions – lack of a questioning attitude

We will be soliciting input from all participants, making this an interactive workshop with the audience, to determine most likely causes and solutions.

FACILITATORS:

- Rey Gonzalez (*Director – Nuclear Generation & Services, Practicing Perfection Institute*)
- Vann Stephenson (*General Manager – Engineering – New Generation Programs and Projects, Progress Energy*)

WEDNESDAY AUGUST 11, 2010 • 10:00 AM – 12:00 PM

CUMBERLAND C

Oversight/Regulatory Relations/

Nuclear Knowledge Management

Construction Corrective Action Programs For New Construction

Session Organizers: Jim Fisicaro (*TANE-Toshiba*); Vince Gilbert (*EXCEL Services Corporation*)

The corrective action process is a key component of the new plant construction effort. This session will include the following:

- Discussion of how lessons learned are taken into account
- Explanation of the NEI 08-02 guideline document endorsed by the NRC
- How one of the construction sites has implemented the program
- Perspectives from constructors and utilities on how they plan on implementing the construction Corrective Action Program

DETAILED CONFERENCE SCHEDULE

The session will also include related information about how technology can be applied to provide a business oversight view during construction and throughout the plant life cycle presented by the NKM Track.

SPEAKERS:

- Jim Fisicaro (*Licensing Specialist, TANE-Toshiba*)
- Dick Swiegart (*Manager, Operational Planning, Duke Energy*)
- Ken Lowery (*Supervisor, Technical Support Services, Southern Company*)
- Tim Frye (*Chief, Construction Assessment, Enforcement and Allegations, USNRC*)
- Development and Implementation of an IT Enterprise Platform for Plant Life Cycle Management Ensuring Configuration and Knowledge Management through Licensing, Design, Construction, ITAAC and Operation of the New Nuclear Plant Fleet, Mark Kirshe (*Director, Business Development, Unistar Nuclear*)
- Tom Ellis (*Director, Information Technology, Unistar Nuclear*)

WEDNESDAY AUGUST 11, 2010 • 10:00 AM – 12:00 PM CONFERENCE 1 & 2

Performance Improvement

Accountability: Making the Lessons to be Learned Stick

Session Organizers: Bill Nelson (*Principal Consultant, Det Norske Veritas (DNV)*), Paul Inerra (*Manager, PI, Energy Northwest*)

We want lessons to be learned to stick and be part of the organizational culture.

Every performance improvement initiative presents an opportunity to succeed or fail. PI initiatives invariably require changes to methods and personal habits, each of which requires a commitment of time and energy in direct competition with routine activities. How can we best get people to accept ownership and accountability for new performance improvement initiatives?

SPEAKERS:

- Building a Legacy of Excellence Through a Culture of Accountability, Barry Cox (*Operations Manager, Riverbend Nuclear Generating Station*)
- Building Accountability in the Bruce Power Integrated Management System, Susan Brissette (*Manager, Management Systems, Bruce Power*)
- Becoming a Fleet: Powerful Ideas in Building Organizational Accountability, Emilio J. Farina (*Directing Manager, FPL Group*)
- Living the Trust Model: Demonstrating Trust Building and Performance Behaviors, Don Koonce (*Callaway Nuclear Plant*)
- Building Leadership Accountability in Safety Culture Through Implementation of the NEI 09-07 Process, Tim Bowman (*GM, oversight, STPEGS*)
- Accountability, Bill Corcoran (*President, NSRC Corporation*)

WEDNESDAY AUGUST 11, 2010 • 10:00 AM – 12:00 PM

OSSABAW & CUMBERLAND FOYER

Risk Management

Recent Successes and Current Issues in Risk Management— Poster Session

Session Organizers: Bob Rishel (*Progress Energy*), Harold Stiles (*Senior Engineer, Progress Energy*)

This perennial favorite poster session will again showcase recent experiences with new applications, tools, and techniques for assessing and managing risk. The sharing of selected best practices will emphasize the potential for duplication of successes elsewhere. Topics are expected to range from process improvements in common risk management tasks to novel approaches for reducing plant risk.

Participants will also be asked to identify areas for improvement that may be planned for the coming year. Special provisions will be made for surrogate participation of plants that cannot send a spokesperson.

WEDNESDAY AUGUST 11, 2010 • 10:00 AM – 12:00 PM CONFERENCE 4 & 5

Work Management/Project Management

Project Management - Digital Instrumentation and Controls

Session Organizer: Jeannie Rinckel (*FirstEnergy/Nuclear Energy Institute*)

February 1, 2010 marked the first NRC approval of a nuclear power plant's integrated digital RPS and ESPS instrumentation and control system. Significant lessons learned for project managers for subsequent installations will be shared in this session as well as concepts of excellence in project management unique to digital technology. The presentations will range from upgrade and retrofit to modernization.

SPEAKERS:

- Oconee Unit 1 RPS/ES Implementation, Barbara Thomas (*Manager of Projects, Oconee Nuclear Station Duke*)
- Retrofit and Modernization of Digital Technology at TVA, Rusty West (*VP New Business Initiatives, TVA*)
- Successful Digital Upgrades: Lessons Learned, Clayton Scott (*Vice President and CNO, Invensys Operations Management*)
- Excellence in Project Management – NRC Perspective, Jack Grobe (*Deputy Director for Engineering and Corporate Support Office of Nuclear Reactor Regulation, US Nuclear Regulatory Commission*)

WEDNESDAY AUGUST 11, 2010 • 12:00 PM – 1:30 PM CUMBERLAND A & B

Wrap-Up Luncheon:

ANS/Utility Integration – Research Results

Do you truly understand the roles of ANS, INPO, NEI and EPRI? Receive a high level briefing on the status and direction of the ANS Special Committee for ANS/Utility Integration Oversight; followed by a summary of a product sponsored by that committee.

DETAILED CONFERENCE SCHEDULE

Learn more about the division of responsibilities and roles associated with sustaining the four nuclear cornerstones: ANS, INPO, NEI and EPRI.

PANELISTS:

- Mark Giles (*Director, Nuclear Regulatory Projects, Equagen – ESI*)
- John McGaha (*Consultant*)

SUBJECT MATTER EXPERTS:

- Jack Tuohy (*Executive Director, American Nuclear Society*)
- George Hutcherson (*Director, Industry and External Relations, Institute of Nuclear Power Operations*)
- Alex Marion (*Vice President, Nuclear Operations, Nuclear Energy Institute*)
- David Modeen (*Director, External Affairs, Electric Power Research Institute*)

WEDNESDAY AUGUST 11, 2010 • 1:30 PM - 5:00 PM

AMELIA 4

Tutorial: Safety Decisions Using Risk Information

OUTLINE (SUBJECT TO CHANGE):

- * SRM to SECY-98-144, "White Paper on Risk-Informed and Performance -Based Regulation"
- * The PRA policy statement
- * Regulatory Guide 1.174, "An Approach for Using Probabilistic Risk Assessment in Risk-Informed Decisions on Plant-Specific Changes to the Licensing Basis"

SPEAKERS:

- Prasad Kadambi
- Dennis Henneke

DON'T MISS...

American Nuclear Society: 2010 Winter Meeting and Nuclear Technology Expo

November 7–11, 2010 • Las Vegas, Nevada • Riviera Hotel



and EMBEDDED TOPICAL MEETINGS:

- 19th Topical Meeting on the Technology of Fusion Energy (TOFE)
- 7th International Topical Meeting on Nuclear Plant Instrumentation, Control and Human Machine Interface Technologies (NPIC&HMIT 2010)
- Isotopes for Medicine and Industry

For more information about the Nuclear Technology Expo, contact Sharon Bohlander on 800.250.3678 x227 or visit www.earlbeckwith.com.

Registration Materials online at www.ans.org • Register NOW!

PROFESSIONAL DEVELOPMENT WORKSHOP

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

Thursday, August 12, 2010 LOCATION: OSSABAW
8:00 a.m.-4:00 p.m.

Workshop Organizer and Chief Instructor :

Dr. Bill Corcoran, President, Nuclear Safety Review
Concepts, Windsor CT 860-285-8779
E-mail: Firebird.one@alum.MIT.edu

Materials provided: 1) Hard copy of PowerPoint™ Slide Show for note taking, 2) PowerPoint file (PPT) 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 (DOC) file of Root Cause Analysis Report template for use at attendees' organizations.

Workshop attendance is limited to the first thirty (30) paid applicants to provide for collegial discussion and individual attention.

Who Should Attend:

This workshop is for professionals whose current or near-term future duties involve:

- sponsoring or conducting root cause analyses of adverse events or their precursors
- training event investigation teams
- assessing the effectiveness of event investigations
- managing the outcomes of event investigations
- managing or assessing corrective action programs
- defending the regulatory aspects of event investigations
- Safety Conscious Work Environment
- Employee Concerns Program

Who Should not Attend:

This workshop is not for people who want to continue thinking that:

- Event investigation is a well-defined science about which nothing new can be learned.
- There is a single right way to do root cause analysis.
- For every consequential event there is one single root cause.
- My organization could not have a serious event any time soon
- Event consequences are not controlled by business decisions.
- Event investigation should be done mainly to satisfy outside agencies.

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 power 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.

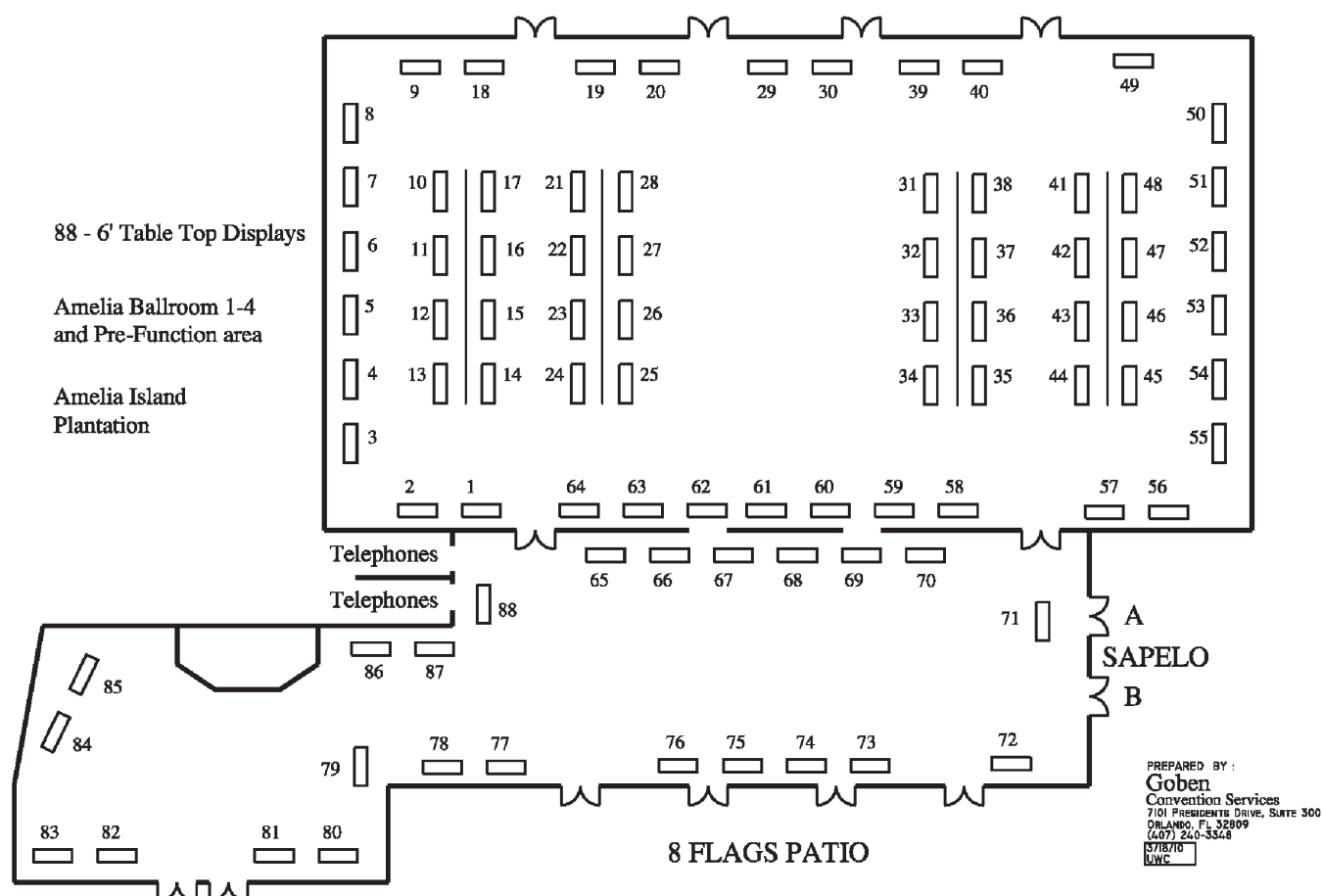
This workshop will furnish the attendees with a spectrum of immediately applicable action items that will be in full compliance with most existing corrective action programs. Participant-instructor interaction will emphasize the modeling and emulation of proven investigator and management behaviors.

Workshop topics will include:

- Safety Culture in Root Cause Analysis
- Using Event Investigation as a Window into the Culture
- Progress on an RCA Standard
- 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 Improvement
- Investigative Ethics
- Accommodating Diversity in Team and Customers
- Asking the Right Questions
- What to do Before Management Becomes Enlightened
- Extent of Conditions and Causes
- Evaluating Event Investigation Effectiveness
- Evaluating Event Investigation Program Effectiveness
- State-of-the-Art Investigative Tools.

TECHNICAL EXHIBITORS

VENDOR TECHNOLOGY EXPO: FLOOR PLANS



We would like to extend a special thanks to the following organizations who have made an outstanding contribution to the success of the
2010 UTILITY WORKING CONFERENCE VENDOR TECHNOLOGY EXPO

Alaron Nuclear Services, Wampum, PA (BOOTH # 49)

Alaron Nuclear Services is a multi service provider to the nuclear industry including; equipment storage, facility-space leasing, spent fuel cask maintenance and storage, waste processing, asset recovery, service level one coatings, qualified welding program, transload (truck to rail), and refurbishment of both safety and non-safety related components (pumps, motors, equipment).

Alaron is licensed by the State of Pennsylvania.

Alphasource, Inc., Philadelphia, PA (BOOTH # 51)

Alphasource is a leading custom manufacturer and distributor of quality FME/FOD maintenance and safety supplies for the Nuclear Industry. Our state-of-the-art, patent pending Toolsaver SmartCart RFID System is designed specifically with the needs of Nuclear Power Generation Specialists in mind and provides unparalleled asset tracking and loss minimization solutions.

We offer our award-winning Complete FME/FOD Turnkey Program, Tarps and Protective Covers, Safety and Decon. Supplies, Spill Control Products and Nuclear Grade Wiping Cloths Program. Our products are field-proven, backed by three generations of practical experience, and our quick turnaround capabilities ensure your compliance needs are satisfied.

American Crane & Equipment Corporation, Douglassville, PA (BOOTH 60)

American Crane and Equipment Corp (ACECO) is a leading provider of cranes, hoists, and specialized lift systems for the commercial nuclear industry.

ACECO has all the in-house capabilities to provide the cranes, custom components, and materials needed for new plant construction. ACECO has significant experience supplying safety related single failure-proof replacement cranes and trolleys for dry spent fuel storage operations as well as other critical lift cranes.

TECHNICAL EXHIBITORS

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.

Anderson, Chavet and Anderson Inc. (ACA), Avondale, AZ (BOOTH # 55)

ACA is an equipment reliability and performance improvement consulting company. ACA takes a different approach to performance improvement by focusing on solving the “wolf closest to the sled” problems first; coupled with a holistic approach to integrating people, processes and technology into an infrastructure necessary to sustain that performance improvement. ACA recognizes that every organization seeks better performance; however the availability of the “right” insights, resources and tools for improvement can be a challenge. ACA excels in meeting the challenge.

Aquilex – WSI Nuclear Services, Atlanta, GA (BOOTH #9)

Nuclear Services that reduce Dose, Duration and Dollars

Aquilex WSI Nuclear Services is the field services leader in advanced, engineered welding solutions. We provide valve, welding and machining expertise; computer mapping; an integrated repair plan; all delivered by a highly-trained and specialized workforce. Our strong focus on technology innovation and automation leads to faster, safer, and better results for our customers.

AREVA, Lynchburg, VA (BOOTH # 29 & #30)

As the leading U.S. nuclear vendor and a significant player in the renewable energies and electricity transmission and distribution sectors, AREVA Inc.'s 6,000 U.S. employees are committed to the future energy market. AREVA is engaged in making energy available to all, protecting the planet, and acting responsibly toward future generations.

ATC-Nuclear (ATC-N), Lyndhurst, NJ (BOOTH #57)

ATC-Nuclear provides a bridge for obsolescence for safety related and non-safety related components for the nuclear industry. Combining the experiences of Spectrum Technologies and Southern Testing Services, ATC-Nuclear has been successfully supporting the nuclear industry for over 20 years by providing Commercial Grade Dedication, Seismic and Environmental Qualification, Engineering and Testing. Additionally, our Sourcing Services utilize an unmatched network of parts sources with a sourcing process that produces outage saving results. Over the years our Excess and Obsolete inventory programs have provided nuclear utilities a variety of customized solutions to better manage and ultimately recover costs from their E & O inventory.

ATF Nuclear, Inc., Cleveland, OH (BOOTH # 44)

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.

Automated Engineering Services Corporation (AES Corp.), Naperville, IL (BOOTH # 80)

Automated Engineering Services Corporation (AES Corp.) is a full service general engineering design and specialty services company. General Engineering services include Project Engineering and Management, 10 CFR Part 50 design and analysis, feasibility studies, modifications/upgrades, licensing/regulatory compliance, program management, procedures, and outage services including staff augmentation. Examples of Specialty Engineering services include security modifications - cyber security, digital upgrades, equipment qualifications/upgrades, ECCS strainer and RMI modifications, and dose reduction initiatives such as permanent lead shielding / scaffolding. AES Corp., founded in 1990, is an employee- owned engineering and project management company serving the US and International nuclear power industry with 100 professional members located in the Naperville, IL headquarters and branch offices in Plymouth, MN, Manitowoc, WI, Champaign, IL, and New Port Richey, FL.

The Babcock & Wilcox Company, Lynchburg, VA (BOOTH # 16)

The Babcock & Wilcox Company (B&W) is a leader in advanced energy technology innovation and service, primarily in nuclear and fossil power. Providing quality products and technical services to commercial and government customers, B&W is focused on issues such as energy efficiency, clean air, global market competitiveness, and safe and secure resolution for nuclear waste. B&W has locations worldwide and employs more than 20,000 people.

Barnhart Nuclear Services, Memphis, TN (BOOTH # 73)

Over the last three decades, Barnhart and Hake have built impressive nuclear project résumés'. Our team of nuclear experts includes personnel with backgrounds from both the construction and operations side of the nuclear industry. Barnhart's experience has brought the kind of innovative design and execution that makes money in reducing Critical Path during outages and improving ALARA in handling components in containment.

Bartlett Nuclear, Inc., Plymouth, MA (BOOTH #14)

Bartlett Nuclear, Inc. has more than 30 years of experience serving the nuclear power industry. Bartlett is a leading provider of radiation safety, professional, technical, civil maintenance, facilities maintenance, decontamination & decommissioning and other managed staffing solutions to U.S. and international power generation markets. Bartlett also offers equipment and technologies including Excel modular scaffolding, automated monitoring systems, portable ventilation systems and contamination control materials.

Bechtel Power Corporation, Frederick, MD (BOOTH # 28)

The Nuclear Business Unit within Bechtel Power has been the active world leader in the nuclear industry for almost 60 years with more than 74,000 MW of nuclear design, construction and operating plant support experience. We have designed and/or built more than half of the nuclear power plants in the United States and 150 nuclear power plants worldwide.

TECHNICAL EXHIBITORS

Currently we are leading the nuclear renaissance in the United States. Our new generation activities include: Operating plant services; Plant restarts; Plant completions; Steam generator replacements; Extended Power Upgrades; Construction and operating license applications; New generation EPC; Owner's engineer/program manager.

Bentley Systems, Inc., Exton, PA (BOOTH # 71)

Bentley Systems, a global leader in software solutions for sustaining infrastructure, acquired Enterprise Informatics in January, 2010, and will continue to develop and expand the capabilities of eB.

eB for Nuclear is a suite of applications developed to comply with regulatory requirements and industry best practice guidelines, ensuring the integrity of controlled information throughout the nuclear lifecycle by uniquely managing its connectivity to all relevant information. Bentley has more than 2,800 colleagues in more than 50 countries, annual revenues surpassing \$500 million, and since 1993, has invested more than \$1 billion in research, development, and acquisitions.

Black & Veatch, Overland Park, KS (BOOTH # 82)

Founded in 1915, Black & Veatch develops tailored infrastructure solutions that meet clients' needs and provide sustainable benefits. Black & Veatch is prepared to meet the challenges of nuclear power's future by offering full-service nuclear power engineering, procurement and construction (EPC) capabilities. Our service to the nuclear power industry dates back to the closing years of World War II and we remain committed to the advancement of nuclear technology and the industry today. We deliver total solutions, from concept to construction, as owner's engineer or turnkey provider, on all regulatory, security and safety matters. We bring it all together – our tools, technologies and teams – to manage risk and create value for our clients.

The Brock Group, Houston, TX (BOOTH # 74)

Since 1947, The Brock Group has offered clients a small company interaction with the resources available from one of the largest specialty craft providers in the United States. Continuing the tradition of integrity and performance excellence, Brock's 15,000 employees offer industry the complete single source benefit of doing business with a financially strong and resource abundant contractor. With 81 operational centers strategically located throughout the United States and Canada, Brock offers scaffolding, specialized shoring, coatings, insulation and associated services to a diverse industry that includes Nuclear, Petrochemical, Refining, Power Generation, Offshore, Logistics, Pipelines & Transmission, and Pulp & Paper. Brock's organization structure and internal cooperative culture provide expert leadership for nationally commended, award winning safety and management processes. Brock provides performance in services which sequentially supports and strengthens our customers' strategic competitive advantage and bottom line profitability.

CLYDEUNION Pumps, Battle Creek, MI (BOOTH # 22)

CLYDEUNION Pumps, a global leader in the pump industry, was formed in November 2008 and incorporates the product heritage of Weir Pumps, Union Pump, Mather & Platt, DB Guinard Pump, David Brown Pumps and many other trusted names.

During our 50+ years within the nuclear industry we have maintained a Professional Nuclear Specialist division which contains the necessary engineering personnel and technology to support the world Nuclear Markets. With 8 global manufacturing facilities, 4 which are recognized with ASME and RCC-M accreditation along with our global aftermarket capabilities, we are well placed to service the nuclear industry. Our major nuclear achievements have been global with projects undertaken in the US, UK, Europe, Indian sub-continent and Asia.

Commissioning Agents, Inc., Vancouver, WA (BOOTH # 72)

Premier provider of integrated commissioning/validation services, including factory inspections, construction quality assurance oversight, start-up/commissioning, and IQ/OQ/PQ. Commissioning/validation planning, management, and field execution for major capital projects. Computer software development and validation (PLC, DCS, SCADA, database applications). International regulatory compliance consulting and improvement services.

CORE, Inc., Arvada, CO (BOOTH # 82)

CORE develops discrete, standardized nuclear plant integrated equipment reliability programs for condition monitoring & scheduled maintenance automation on a very large scale. CORE's patented software process manages systems, structure and components (SSC) to build critical and noncritical plant safety-related reliability assurance programs (RAP) per SRP NUREG-0800 Section 17.4 of the Design Control Document. CORE's automation systems substantially reduce the cost of developing and maintaining RAPs (e.g., Equipment Reliability Programs) traceable to the plant's design basis.

Coreworx, Inc., Kitchener, ON, Canada (BOOTH # 56)

Coreworx Project Information Control software is used by Owner/Operators, EPCs and Contractors in mega capital projects to automate best practices and improve project performance. The Coreworx solution provides integrated document control and automated workflow management for mega capital projects in the energy infrastructure and resource sectors. Our customers use Coreworx to service a portfolio of projects valued at over \$500 billion across more than 50 countries, on more than 400 capital projects with nearly 70,000 users. Coreworx has offices in Houston, Baton Rouge, Calgary and Kitchener.

Cory's Thunder, Inc., St. Mary's, GA (BOOTH # 36)

CORYS Thunder, Inc. offers the most sophisticated products and technology in the simulation industry. CTI engineers pioneered Windows and PC based simulation technology as well as the THOR advanced thermal hydraulics and neutronics models. Most of the nuclear plant training simulators in the U.S., as well as several in Europe, rely on CORYS Thunder technology to meet critical training simulator fidelity, reliability, and training requirements.

Crane Nuclear, Inc., Kennesaw, GA (BOOTH # 37 & # 38)

Crane Nuclear delivers a broad offering of solutions to the nuclear industry, aligned under three competencies: Valves and Valve Parts - With superior engineering and manufacturing capabilities and processes, Crane Nuclear is the premier OEM for nuclear-grade valves and replacement parts with industry leading lead times.

TECHNICAL EXHIBITORS

Nuclear Services - Using a scope-based, process-driven approach, Crane Nuclear is the industry leader in providing valve services to nuclear power plants worldwide. Testing Products - For over 25 years, Crane Nuclear has played an unparalleled role in maintaining the health of critical valves and actuators, as the pioneer in the design and manufacture of integrated, portable, and online valve diagnostic technology.

CSA, Inc., Marietta, GA (BOOTH # 86)

CSA Laser Scanning Technology – As-Built Data for the Nuclear Industry
Laser Scanning Technology provides a high quality visual as well as dimensional representation of the nuclear plant. The resulting user-friendly 3D photo-realistic database with an easy-to-use interface provides access to any room or plant area. The components and areas within the plant are linked with a variety of databases: documents, sketches, photographs, notes, drawings, video clips, radiation data, and 3D CAD format. The laser scanning plant database is a very accurate as-built representation of the plant. Integration with other sources of information provides excellent support for: Knowledge Retention; Training; Work Activities Briefing; Outage Planning; Plant Design Modifications; and Equipment Removal/Replacement. CSA Laser Scanning Technology allows for better planning; it helps to reduce dose significantly.

Curtiss-Wright Nuclear Group (Enertech, Nova, Scientech, Trentec), Brea, CA (BOOTH # 31, # 32, # 33, & # 34)

Curtiss-Wright Flow Control Company Nuclear Group (Enertech, Nova, Scientech, Trentec) provides ASME Code, safety-related, IEEE, and commercial products and services to nuclear utilities.

Enertech - Engineering, manufacturing, distribution and service company. Valves, actuators, pumps, instrumentation, heat exchangers, fluid sealing products, snubbers/pipe restraints, diagnostic and test equipment; qualification and dedication services, valve, actuator and pump services.

Nova Machine Products - Safety-related, code and commercial fasteners, precision machined components, HydraNut bolting solutions, construction products, reverse engineering, custom fabrication, inventory and supply chain management services.

Scientech - Commercial nuclear power instrumentation, safety-related electrical components, specialty hardware, process control systems, reactor and steam generator equipment and services, commercial grade dedication and testing services, expert technical consulting and proprietary database solutions aimed at improving safety, plant performance and reliability and reducing operating costs.

Trentec - Airlocks, outage hatches, specialty doors, Motor Control Center (MCC) and electrical components, obsolescence solutions, custom fabrication, environmental qualification, seismic testing and commercial grade dedication services.

Day & Zimmermann, NPS, Lancaster, PA (BOOTH # 39)

Day & Zimmermann (D&Z) is the leading provider of Managed Maintenance SolutionsSM to the U.S. power generation industry. We deliver full-service maintenance, modifications, major projects, construction, condenser, valve and radiological services as well as fabrication/machining and professional staffing solutions.

According to the 2009 and 2008 Engineering News-Record (ENR) rankings, D&Z is the # 1 Power O&M contractor in the U.S. Safety is our number-one core value. D&Z's member firms are Day & Zimmermann NPS and DZ Atlantic.

DRS Consolidated Controls, Inc., Danbury, CT (BOOTH # 88)

DRS Consolidated Controls, Inc. (DRS-CCI) has been a premier supplier of Class 1E and non-1E Instrumentation and Control (I&C) systems to the nuclear industry for more than fifty years. DRS-CCI designs, qualifies, and manufactures both safety critical and non-safety I&C systems for commercial nuclear power plants and the U.S. Navy. Our reactor and plant control systems have been installed worldwide in more than thirty commercial nuclear power plants and in every Navy nuclear vessel since the USS Nautilus. Our commitment to long term product support includes installation, training, start-up, field service, spare components and assemblies, and commercial grade dedication programs. DRS-CCI is an ISO-9001 certified facility and has continuously maintained a 10 CFR Part 50 Appendix B Nuclear Quality Assurance program since 1974.

Enercon Services, Inc., Kennesaw, GA (BOOTH # 69 & # 70)

ENERCON is a diversified energy consulting company offering engineering, licensing, environmental and management services. ENERCON is an employee owned company of over 1200 people located in sixteen offices nationwide with clients including most of the country's nuclear power plants, the Department of Energy and many Fortune 500 companies. ENERCON provides comprehensive design, engineering, procurement and construction management related to nuclear plant retrofits, plant life extension, power uprates, operations support, efficiency management and full life-cycle maintenance services. ENERCON is currently focused on developing new nuclear plant applications and operating nuclear plant solutions for industry challenges such as PWR and BWR sump strainer clogging, extended power uprate, spent fuel storage and transport, improved plant security and instrumentation and control upgrades.

EnergySolutions, LLC, Salt Lake City, UT (BOOTH # 24)

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, radiological engineering, liquid waste processing, large component removal fuel pool cleanup/spent fuel management, transportation and low level radioactive waste disposal.

Engineering Planning and Management, Inc. (EPM), Framingham, MA (BOOTH # 62)

Engineering Planning and Management, Inc. (EPM) provides engineering, software, and probabilistic risk assessment (PRA) consulting services to industries in North America and overseas. For over 25 years EPM has been working with utilities to achieve compliance with complex regulatory requirements. EPM continues to provide expert fire protection and systems engineering guidance as NRC regulations change and evolve, particularly in the new performance-based, risk-informed regulatory environment of 10CFR50.48(c) and NFPA 805. EPM is an industry leader in Post-Fire Safe Shutdown, Fire Modeling, PRA, and Thermal-Hydraulic Systems Analysis.

TECHNICAL EXHIBITORS

EPM is also the leading provider of innovative software that optimizes engineering and business processes to achieve regulatory compliance cost-effectively with emphasis on long-term configuration management. EPM's Genesis Solution Suite®, which is Appendix B compliant, includes EDISON (Cable Management System) and SAFE (Post-Fire Safe Shutdown Analysis). EDISON is the only current cable management system developed specifically for new plant designs and construction projects. SAFE automates the engineering programs for 10CFR50 Appendix R, NFPA 805, FPRA, and NPO. As a single repository of information, SAFE simplifies long-term configuration management and control of these programs. EPM's team of engineering, PRA, and information technology personnel have developed innovative methods to achieve practical, comprehensive, and cost-effective solutions using a combination of creative strategies, time-tested engineering methods, and an experienced staff.

EXCEL Services Corporation/Certrec Corporation, Rockville, MD (BOOTHS # 1-4)

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 nearly 25 years.

Flowserve Corporation, Vernon, CA/Charlotte, NC (BOOTH #58 & #59)

Flowserve Corporation Flow Solution Group (FSG) is a leading force in Nuclear Power Pump and Seal technology. Heritage names include Byron Jackson, Pacific, Worthington, Durametallc, BW Seals and other names of distinction. FSG provides solution driven equipment and programs which include Pump Upgrades, Pump Repairs, On-Site Technical and Turnkey Services, Replacement Pumps, Mechanical Seals, Engineering Support and much more. Our worldwide footprint allows us to support both the operating plants and well as being positioned for the Nuclear Renaissance.

G. D. Barri & Associates, Inc., Peoria, AZ (BOOTH # 42)

Since 1989 G. D. Barri & Associates, Inc. (Barri) has supported over thirty (30) nuclear plants, 62 fossil/alternative fuel plants, and sixteen (16) DOE nuclear sites with over eight million (8,000,000) hours of contract technical, engineering and union craft labor. Senior team members Ms. Georgia D. Barri and Mr. Rick Duff, both began their nuclear careers in 1977 and since then have participated in the construction, start-up, commissioning, operation, maintenance, and upgrade of these facilities. The benefit of Barri's broad experience is sure to be evidenced in the upcoming new construction, enhanced maintenance, and power up-rate programs within the nuclear power industry. When experience is required, Barri is the service provider of choice. We look forward to the challenge.

Graybar, St. Louis, MO (BOOTH # 54)

Graybar Electric Company, Inc., a Fortune 500 corporation with more than 240 North American distribution facilities, is a leader in the distribution of high quality electrical, networking, and security products, and specializes in related supply chain management and logistics services.

As an Energy Star Partner and a member of the U.S. Green Building Council, Graybar is committed to delivering energy-savings products and "green" knowhow to its customers. From lighting to sensors and metering to controls and drives, Graybar can provide products, systems, and advice that deliver measurable savings of time and money.

Howden Buffalo Inc., New Philadelphia, Ohio (BOOTH # 53)

Howden Buffalo Inc., New Philadelphia Division, maintains a formal Quality System that conforms to 10 CFR 50 Appendix B, ASME, NQA-1. This quality system allows for Howden Buffalo Inc. to supply vaneaxial and centrifugal safety related and non-safety related fans to the nuclear industry. These fans are environmentally and seismically qualified for mild and harsh environment applications.

Originally supplied as a Joy or Buffalo Forge fan design, Howden Buffalo Inc. has thousands of nuclear fans in service domestically and internationally and can supply replacement or new fans of either design. In addition, if replacement motors are required for either of these design fans, Howden Buffalo Inc. can supply safety related or non-safety related motors either refurbished to original specifications or as replacements with Reliance Electric motors. Howden Buffalo, Reliance Electric and Westinghouse Electric have also formed an alliance to support the repair or rebuild of contaminated nuclear motors.

Hukari Technical Services, Inc., Wheat Ridge, CO (BOOTH # 77)

Hukari Technical Services is a solely-owned, small business (Vietnam Veteran-Owned) with the goal of providing only the highest quality engineering and technical services to the nuclear industry. While specializing in Nuclear Safety and Licensing services, our support capabilities cover the complete nuclear power life cycle (new reactors, operating plants, and decommissioning) and our people are equipped with the broad and deep experience to address the most difficult of challenges.

Hurst Technologies Corporation, Angleton, TX (BOOTH # 6)

Hurst Technologies specializes in the design, licensing and implementation of Instrumentation and Control systems for the nuclear industry. Hurst has been supporting the nuclear power industry for over 20 years including a large majority of the US nuclear utilities as well as multiple international clients. Our experience includes the successful implementation of digital based controls for multiple plants in both safety related and non-safety related applications. Our staff is comprised of highly motivated experienced professionals dedicated to supporting our clients' needs.

HydroAire Inc., Chicago, IL (BOOTH # 17)

HydroAire is North America's largest independent pump services company. Our focus is to provide pump repair services with an emphasis on increasing Mean Time Between Repair, Availability and Maintaining Hydraulic Performance. We accomplish this by applying precision repair criteria, sophisticated engineering technology and insuring we meet customer expectation through quality communication.

IBM, Armonk, NY (BOOTH # 83)

At IBM, we strive to lead in innovation with the most advanced information technologies.

TECHNICAL EXHIBITORS

We translate these technologies into value for customers through our solutions and worldwide consulting businesses. IBM is focused on nuclear power and using IBM Maximo Asset Management to implement SNPM best practices while meeting nuclear specific requirements.

InterTest, Inc., Columbia, NJ (BOOTH # 68)

InterTest, Inc. designs, manufactures and distributes RVI (Remote Vision Inspection) and NDT (Non Destructive Testing) equipment and systems suited for the Nuclear Power generation environment. We are well known for standard and custom testing solutions applied to many power generation applications. With over 25 years of serving the Nuclear industry our capabilities and experience will prove invaluable on your next critical path inspection. iShot Imaging Product Line includes the XtendaCam Tilt Inspection System reaching up to 20-feet, PTZ (pan, tilt, zoom) Systems suited for most telepresence applications, RT Series of ruggedized mechanical and electromechanical retrieval tools and systems, SeeUV Series of systems specializing in video based RVI of fluorescent inspection techniques. We have extensive experience with radiation hardened video, optics, borescopes, fiberscopes and videoscopes. InterTest is a manufacturer's representative for NDT Systems, Sonotron, Rohmann, and ibg NDT Systems for the Eastern region of the United States.

Invensys Operations Management, Plano, TX (BOOTH # 61)

Headquartered in Plano, Texas, Invensys Operations Management is an alliance of Invensys divisions including Avantis, Foxboro, SimSci-Esscor and Triconex, all with a strong nuclear presence. Leveraging the power of one organization, IOM consistently collaborates in development, integrated design, and execution of Safety and Non-safety related solutions proven to maximize the availability and utilization of nuclear plant assets.

Joseph Oat Corporation, Camden, NJ (BOOTH # 23)

Joseph Oat is a well renowned integrated OEM designer and fabricator of ASME Section VIII & Section III / safety-related products for the Nuclear Power Industry. We have supplied critical heat exchangers and pressure vessels, spent fuel/rad-waste canisters, and NQA-1 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 and maintain an excellent reputation in the industry. We Make Metal Work ©.

Kinectrics, Inc., Toronto, Ontario, Canada (BOOTH # 40)

Kinectrics, Inc., Toronto, Ontario, Canada Kinectrics is recognized worldwide as a leader in providing advanced services and products for the nuclear industry. We offer clients a reliable, qualified "one-stop shop" with technical expertise and proven capabilities in life cycle and asset management solutions for nuclear equipment and components, genuine replacement parts, inspection and maintenance systems, and environmental technologies.

Kinectrics has recently opened a US office in Cincinnati, Ohio. The new facility will focus on Equipment Qualification, Commercial Grade Dedication and other specialized technical services for both nuclear new build and the existing operating fleet.

Kipper Tool Company, Gainesville, GA (BOOTH # 65)

Kipper Tool is a Woman-Owned Small Business based in Gainesville, Georgia providing over 250,000 items from 450 manufacturers including: high-quality industrial tools; fall protection and safety equipment; and custom tool kits and systems.

Kipper Tool is currently expanding to serve aerospace, oil and gas, energy, rail, construction and mining industries and is experienced in working with the end user to optimize tool loads to help customers perform various maintenance and installation tasks.

KnightHawk Engineering, Inc., Houston, TX (BOOTH # 41)

Specialists in Design, Failure Analysis and Troubleshooting of Static and Rotating Equipment, we are a Technology based Specialty-Engineering company offering Consulting, Field Services, Analysis and Testing. We have Nuclear Qualified, Registered Professional Engineering Staff. We utilize our integrated systems approach to troubleshoot complex process equipment or to design specialty equipment. We have extensive experience in troubleshooting and solving problems in Nuclear power facilities.

Our Materials and Metrology Lab provides materials analysis, testing and reverse engineering. Our SEM is state of the art with integrated EDS. Our laser scanner is portable for use in our facility or yours.

Lockheed Martin, Archbald, PA (BOOTH # 67)

Lockheed Martin Nuclear Systems & Solutions provides total systems solutions and services for commercial power applications. Lockheed Martin is a lead systems integrator and provider of discrete and digital safety-critical instrumentation and control (I&C) systems for commercial and DoD customers for over 50 years. Lockheed Martin is also a leader in Homeland Security, Information Technology, Net-Centric Solutions, Technology Research, Training and Simulation and Engineering Services. Products and services include Human Factors Engineering (HFE); Safety Critical Digital I&C; Independent Verification & Validation (V&V); Hardware-in-the-Loop (HWIL) Testing; Automated Test Equipment (ATE) Design; System Level Environmental Testing; and Tool Design and Fabrication.

Major Tool & Machine, Inc., Indianapolis, IN (BOOTH # 35)

Major Tool and 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, NS, 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 (BOOTH # 19 & # 20)

Mitsubishi Heavy Industries Ltd. (MHI) has been engaged in the nuclear energy business for over 4 decades and has built 24 pressurized water reactor (PWR) electrical plants in Japan.

TECHNICAL EXHIBITORS

In addition, 2 plants are in the licensing phase. MHI is now introducing its US-APWR to the U.S. market, which is the largest nuclear energy plant in the world. MHI established Mitsubishi Nuclear Energy Systems, Inc. (MNES) as a wholly owned U.S. subsidiary in 2006, based in Arlington, Virginia. Mitsubishi is a fully-integrated nuclear power plant supplier, capable of providing engineering, design, manufacturing, construction, ongoing maintenance and nuclear fuel to its utility customers.

Nexus Technical Services Corporation, Oak Brook Terrace, IL (BOOTH # 5)

Nexus Engineering is a consulting firm offering a variety of services to nuclear power plants, governmental facilities, and commercial entities. Our staff of engineers is highly qualified and specialized in electrical and fire protection engineering. When our clients want to work with the best, they work with Nexus. Discover for yourself how Nexus delivers *Deliberately Better* engineering.

Northrop Grumman Commercial Energy Corporation, Sykesville, MD (BOOTH # 15)

Northrop Grumman provides innovative I&C solutions for both commercial and U.S. Navy customers. We focus on safety and critical applications involving Nuclear Reactor Control, Electronic Power Conversion and Machinery Control Systems. Our heritage in design, manufacture and support of nuclear I&C systems dates back to the birth of the industry. You can rely on our engineering and production capabilities to develop affordable solutions for your specific requirements.

Northwest Pipe Company, Vancouver, WA (BOOTH # 85)

Northwest Pipe Company manufactures large diameter welded steel pipe and other products throughout the United States. NWPipe's Industrial - Power Division is a leading supplier of large diameter, high-pressure steel pipe products that are used for Circulating Water Lines, Penstocks, Water Supply and Fabricated Fittings. Additionally, NWPipe's PowerPipe is an innovated product developed to generate electricity by harnessing the flow of water through pipelines.

Nuclear Logistics, Inc., Fort Worth, TX (BOOTH # 11 & #12)

Nuclear Logistics, Inc. (NLI) is the nuclear industry's single source for safety-related equipment, equipment maintenance and qualification support. We specialize in the design, fabrication, qualification, test and supply of all equipment types needed in the nuclear industry. Expanded service areas include the supply of ASME Section III N, NPT, and NS certified equipment.

Nuclear News, La Grange Park, IL (BOOTH: AMELIA BALLROOM FOYER)

Nuclear News is the monthly membership magazine of the American Nuclear Society. For more than 50 years, we have been an integral part of the advertising and marketing plans of more than 1600 corporations to promote their products and services to our nearly 11,000 readers throughout 40 countries. The magazine provides coverage of the latest developments in the nuclear field, a large part of which concerns nuclear energy, in particular the 104 operating U.S. nuclear power plants as well as all the plants that are on order or under construction worldwide.

Nuclear Plant Journal, Downers Grove, IL (BOOTH # 52)

Nuclear Plant Journal, now in its 28th year, 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.

Nuclear Safety Associates, Johnson City, TN (BOOTH # 26)

Nuclear Safety Associates, Inc. (NSA) is a rapidly growing Small Business specializing in safety engineering, technical services, and security services for both the federal government and the commercial nuclear industry. NSA has a strong reputation for quality, technical excellence, and a customer-focused business model.

NWI Consulting, LLC, Knoxville, TN (BOOTH # 46)

NWI Consulting, LLC is a professional consulting firm specializing in power generation performance improvement services, specialized learning interventions, computer-based training, organizational development, accreditation renewal/recovery, and professional staff augmentation. NWI has a broad portfolio of U.S. and international clients in the electric generation industry and is headquartered in Knoxville, TN.

NWI's power plant services includes supporting such areas as Operations, Training, Outage Management, Nuclear Oversight, Maintenance, Radiation Protection, Chemistry and Emergency Preparedness. NWI has assisted clients in other more specialized efforts including Leadership/Management Development, Executive Coaching, Conflict Resolution, Multi-Discipline Assessments, Root Cause Analyses, NRC 95-002 & 3 Preparations and specialized Safety Analyses (50.59).

PAC, Walnut Creek, CA (BOOTH #47)

PAC has over 33 years of experience providing technical support services to the Nuclear Power Industry. The scope of services include developing Nuclear Quality Assurance programs, Vendor Audits / Surveillance / and Inspections, QA manual reviews, procedure writing, Lead Auditor Training and Commercial Grade Dedication training and program development.

Precision Surveillance Corporation, East Chicago, IN (BOOTH # 79)

Precision Surveillance Corporation is a Utility Services and Engineering company that has been in business since 1986. Since our company's inception we have worked in the Nuclear Power Industry providing Construction-related, Engineering, Quality Control and Quality Assurance services to numerous Utilities throughout North America. In the past two years we have been expanding our services to additional industry sectors beyond the post tensioning tendon surveillance realm.

As a supplier of construction-related, engineering and QA/QC services, our capabilities extend to capital projects, repairs and upgrades, operations and maintenance support, and plant outages and services. Our quality assurance program complies with the requirements of 10CFR50 Appendix B, 10CRF21, and ANSI N45.2.

We have significant nuclear power industry experience, gained through years of assisting companies in the industry. Our client base includes over twenty utilities including but not limited to Entergy, Exelon and Florida Power & Light. We believe our portfolio of successful projects is the result of our commitment to providing quality service to our clients. Also, the unique relationships we have with our clients reflect the core values of our organization. Approximately 90% of our client base today is made up of repeat clients who have been consistently pleased with our services. The major reason we are able to enjoy this exceptional customer satisfaction rating is because we treat their goals and needs as our first priority.

TECHNICAL EXHIBITORS

PricewaterhouseCoopers, New York, NY (BOOTH # 75)

PricewaterhouseCoopers Utilities nuclear practice provides industry-focused assurance, tax and advisory services to enhance value for clients and their stakeholders. Our Utilities professionals provide clients with the confidence to succeed by providing industry experience and functional acumen across operations, organizational strategy and structure, process improvement, human resources optimization, technology integration and implementation, risk mitigation and crisis management areas help organizations manage their operations.

Pullman Energy Services, Hanover, MD (BOOTH # 81)

Solving Problems & Improving Investments -

Pullman Energy Services (PES) provides specialty engineering, construction, and maintenance you can trust. Work crews, trained in the safety requirements and repair techniques for each project, and dispatched from locations nationwide, are available to work around the clock, 365 days a year, to safely complete projects under the tightest schedules and toughest working conditions. They ensure that all work is conducted in accordance with the requirements of 10 CFR 50 Appendix B, ANSI, NQA, OSHA, NIOSH, and corporate policies and procedures. When you involve PES at your plant, together we'll solve your most challenging construction, repair, and restoration problems with the highest attention to safety and quality. In addition, PES has created a unique value-driven team specifically to address key industry initiatives - Buried Pipe Integrity; License Extensions; Aging Plant Structures; Corrosion Control; Primary & Auxiliary Cooling; and New Plant Construction.

RCS Nuclear, Aiken, SC (BOOTH # 18)

Staffing the Nuclear Renaissance

RCS Nuclear is a full solutions provider specializing in Permanent Placement, Contract Staffing and Payroll Services. RCS Nuclear recruits Engineers and Technical professionals for the Nuclear Industry worldwide. Established in 1994, RCS is a Certified Minority Business Enterprise by the Utility Supplier Diversity Program and the CMSDC. RCS Nuclear is a trade name of RCS Corporation.

ReNuke Services, Inc., Oak Ridge, TN (BOOTH # 66)

ReNuke was designed and built specifically to bring innovative human capital consulting and staffing programs to the resurgent commercial nuclear power market. The name itself is emblematic of our commitment to nuclear energy. In a period where personnel needs are growing and the workforce is shrinking, a fresh approach to staffing nuclear positions is being demanded by both candidates and customers - and ReNuke is responding.

The company provides four basic services: Defined-scope project execution, traditional staff augmentation, fee-based permanent placement, and strategic human capital consulting. ReNuke's service offerings are supported by a full-time leadership staff with over 300 years of collective nuclear industry experience. We are technically qualified in project management, project controls, contract administration, engineering, operations, outage management, procurement, health physics, decommissioning, transportation, and quality assurance.

Rolls-Royce Civil Nuclear, Reston, VA (BOOTH # 27)

Rolls-Royce offers a broad range of civil nuclear expertise, including work related to licensing and safety reviews, engineering design, supply chain management, manufacturing, installation and commissioning of nuclear island systems and equipment, as well as operational management and through life support.

The company's involvement in the nuclear industry spans over half a century in the design and supply of equipment for both civil and military reactors. We also provide technical services in the UK and US civil nuclear markets, as well as safety critical instrumentation and control systems in Europe, the US and many other international markets, including all 58 operating nuclear facilities in France.

Shaw Group, Stoughton, MA (BOOTH # 25)

Whether it's new build or operating plant services, Shaw's integrated nuclear solutions help our clients provide clean, reliable, carbon-free nuclear energy. Shaw performs nuclear plant work including design, engineering, licensing, procurement, maintenance, construction, start-up, testing, and financing reviews and is contracted for six AP1000 nuclear units in the U.S. and four units in China.

Sulzer Pumps, Portland, OR (BOOTH # 10)

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.

System Innovation Corporation (SWI), Bellevue, WA (BOOTH # 76)

Since 1980, Systemware Innovation (SWI) has provided our nuclear industry customers with high quality products, turnkey solutions, and consulting services.

Our nuclear engineering focus spans systems for reactor control and shutdown, monitoring, reactor inspection and repair, training simulators, work protection management, and work management reporting. We are proud of our record of always delivering for our customers and making a positive and meaningful impact on their businesses.

TW Metals, Inc., Carol Stream, IL (BOOTH # 45)

TW Metals- Nuclear Materials Solutions is your complete solution for nuclear certified materials. We can supply all forms and grades of materials for use in commercial nuclear utility markets, government nuclear markets and defense nuclear markets. We hold the ASME Quality System Certificate (QSC) to supply nuclear certified materials.

UniTech Services Group, Springfield, MA (BOOTH # 7)

UniTech Services Group 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.

TECHNICAL EXHIBITORS

UniTech provides the following services to utilities, government, and other radioactive material licensees:

1. Laundering and decontamination of radiological protective clothing and accessories including respirators.
2. Tool and metal decontamination, including scaffolding, tool, and outage support materials.
3. Radiological and safety supplies including our Mobile Safety Store with onsite just in time inventory.

URS Corporation, Princeton, NJ (BOOTH # 21)

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

ValvTechnologies, Inc., Houston, TX (BOOTH # 13)

ValvTechnologies is the leading manufacturer of zero leakage, severe service valve solutions. Our mission is to work closely with existing nuclear power facilities as well as NSSS and A&E providers with engineered alternatives in material selection and valve design utilizing our four year zero leakage product guarantee.

Ventyx, Atlanta, GA (BOOTH # 48)

Ventyx is a leading business solutions provider, delivering asset management, mobile workforce management, energy portfolio management, and customer care solutions to more than 1,250 energy, utility and communications customers, as well as to asset-intensive customers in selected commercial markets. Ventyx delivers best-of-breed business solutions that maximize operational and financial performance, backed by the industry's deepest available industry-specific domain expertise.

Vistas Corporation, North Huntingdon, PA (BOOTH # 87)

Visual Inspection Specialists Technology And Services
Vistas provides Visual Inspection, Foreign Object Search and Retrieval (FOSAR) services for Steam Generators, Reactor Vessels (Closure head and BMI), Piping, and BOP equipment.

27 years experience in the Nuclear Industry. We utilize waterproof crawler systems, Borescopes, PTZ cameras, and custom retrieval and VT equipment.

Westinghouse Electric Company, Cranberry Township, PA (BOOTH # 63 & # 64)

Westinghouse Electric Company is the only company with a single focus on nuclear power, providing a wide range of nuclear plant products and services to utilities throughout the world. Our more than 14,000 employees worldwide provide fuel, spent fuel management, service and maintenance, instrumentation and control, and advanced nuclear plant designs. With the world's largest base of installed plants, no company has more nuclear experience.

With the combined resources of Westinghouse and Toshiba, an even broader range of products and services will be available to our customers, furthering our commitment to providing solutions that help achieve reduced outage times, reduced operating costs, and clean, efficient plant operations.

Williams Industrial Services Group, LLC, Atlanta, GA (BOOTH # 8)

Williams Industrial Services Group, LLC is a family of three companies providing a comprehensive range of industrial maintenance, modification and construction services to Power Generation, Pulp and Paper, Chemical, Refining, Manufacturing and other industrial markets.

Williams Industrial Services Group, LLC has provided specialty and general maintenance services for most of the United States operating commercial nuclear power plants over a period of the last 30 years. Williams provides a complete range of services including maintenance/modification and, specialty services such as asbestos and lead abatement, roofing, insulation, valve maintenance and repair, and other key services. Williams has completed many major projects under all types of contracting models. We pride ourselves on having one of the best safety performance programs in the industry.

Wiznucleus, Inc., New York, NY (BOOTH # 84)

Wiznucleus, Inc., is a leading provider of knowledge-based cyber security solutions to the nuclear energy industry. The company is led by a team of highly experienced information technology, cyber security, nuclear engineering, and management staff. Wiznucleus' customers include utilities and state governments, and the company is uniquely positioned to provide next-generation solutions and expertise to help meet the regulatory and compliance requirements efficiently and cost-effectively.

WorleyParsons Nuclear Services, Reading, PA (BOOTH # 78)

WorleyParsons has been a provider of professional technical, construction and project management services to the nuclear industry for over 50 years. Whether enhancing your nuclear operations with radiological design basis, safety analysis, and emergency management support, or supporting your new plant feasibility, development, design, construction or commissioning, WorleyParsons keeps your nuclear plants in compliance, online and operating at peak performance. We have the demonstrated industry commitment and capability to deliver outstanding support service from new plant development to deactivation and decommissioning, with the global presence and local project capabilities to assist customers in all phases of an asset's lifecycle.

Zachry Nuclear Engineering, Inc., Groton, CT (BOOTH # 43)

Zachry Nuclear Engineering, Inc. is a full service engineering firm that provides Engineering, Design and Project Management services to the Nuclear Power Industry. Zachry Nuclear Engineering offers the services of experienced mechanical, electrical, controls, civil and structural engineering professionals and designers who are skilled in power plant systems, engineering analysis and modification package development. Zachry Nuclear Engineering has offices in Groton, CT, Chicago, IL and Charlotte, NC.

Please see an ANS Representative at the East Concierge Desk to reserve your space in the 2011 UWC Vendor Technology Expo.

