7:00 AM Speaker's Breakfast
7:00 AM Continental Breakfast

8:00 AM Introduction S. Bushart EPRI

8:05 AM **Plenary**
- NEI Groundwater Protection Initiative Update K. Yhip Nuclear Energy Institute
- EPRI Groundwater Protection Program Update K. Kim EPRI
- NRC Regulatory Observations: Ground Water 2009 R. Conatser U.S. Nuclear Regulatory Commission

Nuclear Liability Insurance Guidelines and Experience for Nuclear Plant Groundwater Monitoring B. Wendland American Nuclear Insurers

9:45 AM Break

10:00 AM **Update on Nuclear Power Plant Groundwater Monitoring Programs**
- EDF Groundwater Protection Programs P. Bouilly, D. Giral Electrice de France
- South Texas Project Groundwater Protection (Invited) TBA South Texas Project
- Indian Point Groundwater Protection Program P. Donahue Entergy
- An NRC View of Groundwater Contamination Monitoring and Remediation at Indian Point Energy Center J. Noggle U.S. Nuclear Regulatory Commission

11:40 AM **Atmospheric Deposition of Tritium**

12:05 PM Lunch

1:00 PM **Atmospheric Deposition of Tritium (con't)**
- Diablo Canyon Studies on Atmospheric Deposition (Invited) TBA Pacific Gas & Electric
- Atmospheric Deposition of Tritium TBA EPRI/Areva

1:50 PM **System, Structures, and Components I: Evaluation and Design**
- Failure Mechanisms of Man-Made Surface Impoundments with Synthetic Liners and Lessons Learned H. Lesan Arizona Public Services
- Assessing Surface Impoundment Leakage using Nano Transient Electro-Magnetic (TEM) Geophysical Survey Technology H. Lesan Arizona Public Services
- Inside and outside – a review of the RCA boundary A. Ritter KKL
- EPRI NDE Projects N. Muthu EPRI
3:30 PM Break

3:45 PM Emerging Issue: Groundwater Remediation
- Progress Brunswick Groundwater Remediation Update  M. Millinor  Progress Energy
- Enresa Groundwater Characterization for Decommissioning  R. McGrath  EPRI/Enresa
- Update on DOE's Attenuation-Based Remedies for Metals and Radionuclides in Groundwater Applied Science Initiative  M. Denim  Savannah River National Laboratory
- EPRI Groundwater Remediation Guidelines  R. Cardarelli  EPRI/C.N. Associates

5:30 PM Adjourn

6:00 PM Reception

WEDNESDAY, SEPTEMBER 16, 2009

7:00 AM Speaker's Breakfast
7:00 AM Continental Breakfast

8:00 AM Groundwater Monitoring Technologies
- EPRI Soil Vapor Extraction and Monitoring System Update  TBA  EPRI/RSCS
- Radionuclide Detection Technology from Technical Associates  R. Goldstein  Technical Associates
- Applications of Minerals Exploration Geophysical Methods to Leak Detection and Monitoring at Nuclear Power Facilities  N. Carlson  Zonge Engineering
- Quad Cities Demonstration of Passive Sampling Technologies  TBA  EPRI/ERM
- SCE SONGS Experience with Sampling devices and Pumps (Invited)  TBA  Southern California Edison

10:05 AM Break

10:20 AM Groundwater Monitoring Technologies (cont')
- Characterization, Modeling, Monitoring and Remediation of Radionuclides in the Subsurface  T. Nicholson  U.S. Nuclear Regulatory Commission

10:45 AM Groundwater Data Management
- EPRI MANAGES - Nuclear Update Beta  K. Ladwig  EPRI
- Environmental Data Management System For Nuclear Facilities  N. Duplancic  Locus Technologies
- Consistent Messages, Transparent Communication, and Protected Data; Using GIS to Support Conceptual Site Models for all stages of Nuclear Plants  N. Glucksberg  Mactec
- Decision-Making and Communication Related to Groundwater and Soil Contamination at Nuclear Facilities  J. Till  Risk Assessment Corporation

12:25 PM Lunch
1:30 PM **System, Structures, and Components II: Buried Piping**
INPO Perspective (Invited) TBA Institute of Nuclear Power Operations
EPRI Buried Piping Integrity Group Update TBA EPRI
NEI Perspective (Invited) TBA Nuclear Energy Institute

2:45 PM **Groundwater Protection for New Plants**
Groundwater Protection for Next Generation Nuclear Power D. Scott RSCS
EPRI Recommendations for Groundwater Protection for M. Naughton EPRI
New Plants

3:35 PM Break

3:50 PM **Groundwater Protection for New Plants (cont')**
New Reactor Applications

4:15 PM **Groundwater Modeling**
Implementation of a 3D Groundwater Flow Model at the M. Rosati Sogin s.P.a
EUREX Plant in Saluggia (Northern Italy), formerly affected Sogin s.P.a
by Leakage from the Spent Fuel Pool
Impacts of Subsurface Infrastructure on Groundwater Flow J. Paquin GZA
Directions - The Case for Sentinel Wells
Tritium Age Dating John A. Garges Contestoga-Rovers & Associates

5:30 PM Sumary and Wrap-up
5:40 PM Adjourn
NRC Panel Discussion?? If time.