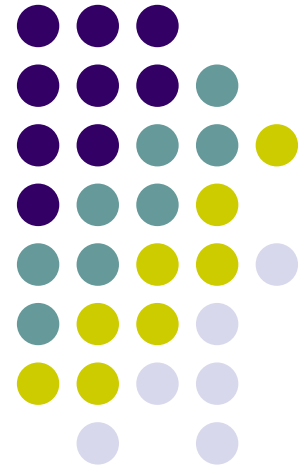


Engineering Practices Working Group 2007 Semiannual Meeting



Ken Keith
Chief Engineer
BWXT Y-12



EPWOG Leadership



- **Leadership**
 - **EFCOG Director Sponsor: Tom Stevens, AREVA**
 - **Chair: Ken Keith, BWXT Y-12 (Nov 2006-2007)**
 - **Vice-Chair/Chair elect: Charles Kronvall, Fluor Hanford (Nov 2007-2008)**
 - **Secretary: Tobin Oruch, LANL**
- **DOE Sponsors:**
 - **Chip Lagdon (DOE Chief of Nuclear Safety)**
 - **Jim McConnell (NNSA CDNS)**
 - **Jim O'Brien (DOE HSS)**
 - **Jay McDonald (NNSA Y-12)**
 - **Suneel Kapur (DOE OECM)**
 - **Sandra Waisley (DOE D&D)**

EPWOG Structure



- Focus Areas
 - Nuclear – Ken Keith, BWXT Y-12
 - Non-Nuclear – Tom Etheridge, ORNL
- Subgroup Chairs
 - Fire Protection: Eric Gosswiler, INL
 - Configuration Management: Cherri DeFigh-Price, Parsons
 - Engineering Standards: Stan Palmer, ICP
 - Value Management: Richard Harrington, Washington Closure Hanford
 - Pressure Safety: Tom Etheridge, ORNL
- 44 Companies, ~ 140 members (core and subgroups)

2006-2007 Accomplishments



- **EPWOG members, with SAWG, provided key participation in drafting DOE-STD-1189, Integration of Safety into the Design Process**
- **EPWOG involved in DNFSB 2004-2 Pilot system evaluations and sharing of lessons**
- **EPWOG supported implementation of 10 CFR 851, Worker Health and Safety**
- **Key EPWOG member representatives continued support of DOE HQ HEPA Filter Standards development**
- **Drafted task plan to evaluate alternatives to IEEE standards for safety related electrical designs**

2006-2007 Accomplishments (Cont.)



- **Evaluated SP-40 recommendations for EPWOG response in Conduct of Engineering, System Engineer program, and Configuration Management**
- **Initiated a non-nuclear focus area**
- **Routine communications and practices help member companies:**
 - **Human Capital Initiatives**
 - **Lessons Learned, Best Practices, and Benchmarking**



Planned 2007 Activities

- **Continue DOE-STD-1189 support and development of 413.3 Guides**
- **Plan 1189 Implementation workshop**
- **Re-establish team for IEEE standards evaluation**
- **Establish Pressure Safety Sub-group**
- **Develop guidance on calculations and system performance monitoring in response to HSS recommendations**
- **Continue to build upon establishment of non-nuclear focus area**

Interfaces With Other Working Groups



- **Significant interaction with SAWG and Project Management on DOE-STD-1189 and 413.3A Guides**
- **Other integration topics**
 - **Electrical design of safety systems in lieu of IEEE with ISM and SAWG**
 - **Safety item suppliers and graded quality assurance with QAWG**
 - **1189 workshop with SAWG and PMWG**
 - **Pressure safety sub-group with ES&HWG**



Issues

- **1189 Workshop planning**
- **Major time commitment for key issues – continue to enhance member company interactions and involvement**
- **Building stronger base of involvement through non-nuclear focus area.**