

Safety Analysis Working Group 2007 EFCOG BI-ANNUAL MEETING

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Working Group Chair
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WG Organization

- Sponsoring Director, Pam Horning
- Dr. Richard Englehart , HS-21
- WG Chair – Andrew Vincent, WSRC
- Vice Chair – Brad Evans, PNNL
- Subgroup Chairs
 - Safety Basis: Rob McKeehan, ORNL
 - Accident Analysis: Mukesh Gupta, WSMS
 - Training Liaison: Dave Satterwhite, LANL
 - USQ: Mark Mitchell, LLNL
- 15 - 20 companies, plus DOE participating regularly, 120 – 200 SMEs participating in WG on annual basis

SAWG Issues

- DOE-STD-1189, Safety/Design Integration
- Fire analysis integration issues
- Safety Basis Training
- DOE STD 1027 Supplemental Guidance
- Safety Basis Development issues

2007 Actions

- Supporting DOE-STD-1189
 - Currently working comment resolutions w/DOE
 - *Implementation planning / workshops*
 - DOE letter gives schedule for the Standard and related guidance documents
 - COO Discussion regarding implementation implications / issues
- Fire Analysis Integration Issue – Examine / Address:
 - The directed exchange of information between the FHA and the DSA per DOE O 420.1B
 - Fire Analyses done within the FHA and the DSA, and deriving them in clear relation to each other, and in clear coordination with each other
 - Guide fire scenario initial assumptions (conservatism / unmitigated)
 - Documentation of the above for a given nuclear facility / project
 - Recommendations for changes to DOE documents (e.g. DOE Orders, Standards, Guides) to implement the above
- Training:
 - Safety Basis Academy
 - See EFCOG home page Safety Analysis Working Group

2007 Actions

- DOE STD 1027 Supplemental Guidance issued
 - Awaiting direction on potential STD revision
- “Safety Basis Supplement”
 - Setting an approach for short term activities safety basis
 - Follow-on to issues with JCO use for planned activities
- Workshops
 - November Safety Basis Workshop, Albuquerque
 - May SAWG Annual Workshop 2008, Hanford

2007 Actions

- Annual Meeting, May, Idaho Falls
 - Idaho National Laboratory hosted the 2007 Safety Analysis Working Group annual meeting in Idaho Falls, ID, in May, 2007. The sessions included:
 - > 150 participants
 - **Key note Dr. David Hill - The Nuclear Renaissance (GNEP)**
 - **William B. Wark, Board Member, United States Chemical Safety and Hazard Investigation Board**
 - Panel Sessions: DOE STD 1189, DOE STD 1027, Safety Basis Care and Feeding of Design Features
 - Training sessions
 - Control Selection Process, Introduction to Plutonium Metallurgy, Leak Path Factor, Criticality Accidents and Lessons Learned, Technical Safety Requirements, Fire Severity and Source Terms, Chemical Dispersion and Consequence Assessment, USQ Refresher, MACCS2 for DOe Safety Analysis Applications, CFAST, DOE STD 1189 Integration of Safety into the Design Process
 - Paper Sessions: Accident Analysis/Code, Criticality Safety/Safety And Design Integration, Fire Safety, Safety Basis Development, Hazard Analysis/Hazard Categorization