

EPWOG Semi-Annual Meeting
October 25-27, 2011

The meeting was held in the Albuquerque Airport Sheraton Hotel. The Tuesday, October 25 morning session was a joint session between the EPWOG and the Safety Analysis Working Group (SAWG), with the two groups splitting into separate parallel sessions for the afternoon and for Wednesday, October 26.

The meeting proceeded roughly as noted on the attached agenda. Minor adjustments were made to account for availability of guest speakers and duration of topics.

Subgroup updates were summaries of the EPWOG Subgroup Status table that is now posted on the EPWOG [homepage](#).

Site Reports were a combination of formal PowerPoint presentations and verbal overview presentations. A brief summary of each site presentation is provided in the attached table.

Presentations and other document files that have been provided have been posted to the LANL-hosted EPWOG ftp site; their existence is highlight in the minutes as “([see ftp](#)).” For access to the EPWOG ftp site, contact either Tobin Oruch or Charlie Kronvall.

Day 1: Tuesday October 25

Charlie Kronvall (EPWOG Chair) provided an overview of EPWOG and the EPWOG subgroups for the joint session audience. Subgroups chairs present were introduced. Contact points and website information were provided. Potential areas for partnering were suggested.

Rob McKeehan (SAWG Chair) provided an overview of the SAWG and the SAWG subgroups for the joint session audience. Subgroup chairs present were introduced.

Ken Keith led an open discussion on the newly issued DOE-STD-1195, which implements ISA 84.01 for safety instrumented systems, and the 2-day overview course held recently. There was a suggestion that independent protection layer components be treated similarly to defense-in-depth from a CM and quality standpoint. The discussion also branched out to include USQ topics including a new, 4-day NTC class on December 5 and four more times. An informal poll showed that at almost all sites, CSEs do screenings and some do the USQs (SAWG opinion was better if analysts did USQs). The need for a USQ-like screening process for field changes was needed (WESF/WTP and SRR have them).

Bruce Wilson led an open discussion related to DOE 420.1C and other pending DOE safety related documents. A key point to note is that several DOE Standards and consensus codes and standards are now listed in 420.1C as being required for implementation. **A detailed cost review of each of the standards and codes is recommended for each DOE Contractor if the Order as currently drafted is promulgated into their contract. There could be significant “hidden” costs associated with the inclusion of these references into 420.1C.** The need for

clear definition of defense-in-depth selection was discussed, as was the need for clear identification of these -- and safety functions in the DSA in general.

Cherri DeFigh-Price (see ftp) described efforts that went into the revision, review, and publication of the rewrite of DOE-STD-3024, *System Design Descriptions* with an emphasis on SAWG areas of interest. It was noted that while the revised standard places emphasis on existing, operating systems that there is also information on preparation of an SDD for a new system. Over 110 comments were received and resolved. Cherri shared lessons learned for EPWOG assuming a major role in the DOE document process and also lessons learned regarding the formal collection/submittal of comments on behalf of EFCOG. Neither of these activities should be entered into lightly as there may be a significant amount of time required to perform either or both of these tasks properly. The benefits of virtual (electronic) SDDs were explained, with SWPF's SQL method used as an example. HSS has expressed some interest in providing training, and Cherri's presentation could be altered to address the major changes in the revision.

The morning concluded with Ken Keith providing an overview of the EPWOG CGD subgroup activities. The subgroup has drafted best practices related to commercial grade surveys and the commercial grade dedication process. The next meeting of the subgroup is tentatively scheduled for December 6/7. One proposed location is a business office in Knoxville, TN; other locations being explored are EFCOG member offices in either Denver or Las Vegas; the objective is to provide the easiest and most cost effective access possible for the majority of attendees. The need for clear definition of safety functions and requirements in the DSA to assist USQs and CGD was discussed.

Subgroup Chair Reports

Tuesday afternoon began with the Subgroup reports.

Welding: Exploratory surveys were sent out in August seeking an expression of interest in forming an EPWOG sponsored Welding Subgroup/Task Team. A teleconference, led by Gary Cannell and Charlie Kronvall, was held in September. Callers shared experiences and expressed an interest in pursuing further communications. The initial approach will be via periodic teleconferences, with the potential for a face-to-face meeting Spring 2012. SWPF experienced upwards of 90% failure rates when testing welders onsite.

Testing: Ken Keith provided an update for Doug Messerli. The subgroup last met in October 2010. There was discussion about seeking new leadership for the subgroup and/or reassessing the current need for the subgroup. These issues will be addressed off-line by the EPWOG leadership team.

Cognizant System Engineer: Diane Cato provided an update. The subgroup published a best practice related to system health reports. Although the group has not been very active the past 12 months, it was agreed that it is important to maintain the CSE subgroup. Each attendee was challenged to go back to their site to see what they could do to reenergize participation in this subgroup. The challenge facing the subgroup members is that there is a conflict in priorities facing the CSEs; the CSEs must balance the needs of the 420.1B-driven CSE program with the

priorities of the facility they support. Often times, the CSE duties are secondary to day-to-day operational support; this leads to CSE-related documentation not always getting the level of detail and attention needed to fulfill program needs. Later, it was noted that Y-12 and SRR have graded quality programs. Earl Hughes added an update on Site Safety Offices (SSO) activities. The annual joint SSO/Fac Rep meeting is planned for 5/14-18 in Las Vegas. Earl reinforced that CSE activities are important, as indicated by the recent DNFSB letter related to the Hanford Waste Encapsulation Storage Facility (WESF). Charlie Kronvall provided a history of the WESF, the letter, and the plans for responding to the DNFSB letter.

Software Toolbox: The efforts of the task team have reached a hold point. Donna Bennett has completed a software survey among the DOE sites, provided the information to DOE HQ Central Software Registry, and is awaiting publication of the information. For now, the Engineering Software list is located on the EPWOG ftp site and the points of contact are being added to the EPWOG SME listing posted on the EFCOG/EPWOG site.

Pressure Safety (FTP): Tom Etheridge provided an update of the Pressure Safety subgroup. The subgroup is supporting the National Laboratory Directors Council in proposing changes to how the Pressure and Boiler Vessel codes are documented in DOE contract documents; current practice is to list the version by year in contract documents; the proposal is to list the code(s) without year versions. Omitting the version reference in contract documents would simplify the implementation process for codes such as the B&PV code that are typically implemented as soon as published. The Task Team agreed that a face-to-face meeting once every 18 months was a reasonable goal; i.e., the next meeting will be targeted for Fall 2012. As such, the next meeting has not yet been planned. In the interim, the task team will continue to communicate via teleconference calls and the task team SharePoint site. ORNL is initiating a Pressure Safety assessment that will utilize members of the subgroup to provide an outside, independent component to the assessment team.

Fire Protection: Charlie Kronvall provided a high-level summary on behalf of Perry D'Antonio. The team has been supporting the revision of DOE Order 420.1C. Team members have provided input and review of the Fire Protection Sections. The team continues to hold regular monthly conference calls. Conference call contact/access information is included in the Subgroup Status on the EPWOG web page.

Commercial Grade Dedication Task Team: Ken Keith provided an update for Dennis Weaver. The subgroup has drafted best practices related to commercial grade surveys and the commercial grade dedication process. The next meeting of the subgroup is tentatively scheduled for December 6/7. One proposed location is a business office in Knoxville, TN; other locations being explored are EFCOG member offices in either Denver or Las Vegas; the objective is to provide the easiest and most cost effective access possible for the majority of attendees.

Configuration Management Subgroup: The CM Subgroup sponsored CM training delivered by the NTC in February. Classes were delivered in Las Vegas (at the NSTec offices) and at the NTC in Albuquerque. Feedback from multiple participants is that the class offers a very good introduction to CM and is a good refresher for staff that may have been out of the CM working world for a while.

Sponsor Words: Jim O'Brien asked EPWOG to take an active role in beyond design basis event (BDBE) walkdowns. This task is a follow-on to the DOE Safety Bulletin issued following the Tsunami/Earthquake event in Fukushima, Japan. Jim asked that we focus on natural phenomena hazards (including seismic, floods, tornados, ...) as they relate to DOE sites. He cited the recent flood impacts on the Fort Calhoun nuclear power reactor as the type of vulnerability that we should be looking for. Jim indicated that he would like to form an assessment team to travel to 3 sites over the next 12 months. The team would develop a walkdown guide/best practice based on their observations. Jim indicated that it is possible that DOE HQ funding may be available for select team members with special expertise, most likely structural experts. There was also discussion of potential computer control security vulnerabilities.

Glenn Edgemon provided an informative presentation describing corrosion seen in the Hanford Tank Farms and steps that are being taken to preclude/mitigate corrosion in the tanks. Glenn's presentation included discussion of cathodic protection being applied to Hanford Tank Farm piping; the presentation provided a CP primer in addition to describing specific applications, noting systems have a nominal 20-year life. (see ftp)

Tuesday wrapped up with Cherri DeFigh-Price leading a brief discussion of the status of EPWOG best practices preparation and submittal. There was discussion among the attendees related to making sure that the preparation of best practices was not relegated to "busy work to satisfy a quota." Options for posting and marketing best practices, lessons learned, etc. were discussed. Each of the attendees was challenged to promote the use of the EPWOG web page, the EPWOG .ftp site, and the tools/information available on each. Note: The EPWOG has met our CY11 goal to post 3 best practices.

Day 2 Wednesday October 26

Ken Keith kicked off the morning with a status of the Conduct of Engineering training initiative. Ken has prepared a draft training presentation. Ken is looking to John Gertsen for a final review before presenting to Todd Lapointe and Chip Lagdon (EM Chief of Nuclear Safety Office). The training program is modeled after the INL Conduct of Engineering Training and others.

The next topic was "code of record." Ken led this as well (see ftp). Code of record continues to be an important topic for the EM Chief of Nuclear Safety (CNS) office. The purpose of the code of record is to establish a design criteria baseline for self-performed projects, as well as for contracted projects. DOE O 413.3B defines the requirements for documentation of code of record for new projects and major modifications. Per 413.3B, code of record is under configuration control during the preliminary design phase of a project. ORO-EM has a 15-page document that describes a process for selecting and documenting the code of record for new projects, but it is not ideal in some ways (see ftp). The document includes a discussion of "backfitting" for existing facilities.

Important components to a code of record document will include the following:

- Rationale behind the decision as to which codes and which code versions to include

- Information related to codes for infrastructure-related major modifications -- i.e., how far do you go back for fire water systems, potable water systems, electrical power distribution/supply systems

Ken is looking to prepare a draft EPWOG white paper looking first at what has been published by the NRC. The team that will support Ken in this effort includes Tobin Oruch, Larry Suttinger, Cherri DeFigh-Price, John Andrzejczak, Steve Riesenweber, Karen Lesko, Howard Wong, Brad Walker, and Tom Etheridge. The deliverable targets are:

- Draft outline to Tobin by Thanksgiving (e.g., greenfield, major mod, minor mod, recovery of COR, non-nuclear COR)
- Draft available for discussion with Jim O'Brien and Chip Lagdon at the Spring EPWOG meeting in Washington, D.C.

Charlie Kronvall provided an overview of the accomplishments of the EM ARRA activities; he then led a discussion of what each of the different EM sites will look like in a post-ARRA world with regards to funding, staffing, work scope priorities, administrative challenges, etc.

At the CHPRC, significant progress was made in the D&D of the Hanford site through ARRA funds. The CHPRC recently went through a major force reduction of ~2000 staff that was a mix of contractors and incumbent employees. FY12 and FY13 funding are lean in comparison to the past 2 years; D&D/clean-up will continue, but at a slower pace. At SRNS, most of the ARRA staff was hired through contractors so the impact to direct hired staff was less than it would have been otherwise. Even so, SRNS reduced staff outside of ARRA work scope by ~1400 over the past several months. Similar to SRNS, most SRR ARRA staff was hired through contractors. SRR will be reducing staff by ~500 (from 2500 to 2000) over the next few months. A voluntary reduction is being proposed, but has not been offered as of this date.

The discussion then turned to a review of current/upcoming NNSA projects/activities. The LANL Chemical and Metallurgical Research and Replacement building (CMRR) is proceeding. Lessons learned from CMRR include recognition that the design team that won the design/build bid did not have significant nuclear design experience. This created issues during the design of the Radiological Laboratory; the lessons learned are being used by the Project Management Working Group in the development of a lessons learned case study. Construction of the CMRR and the Y-12 Uranium Processing Facility (UPF) support the congressionally approved new START Treaty. Construction funding for the two projects is scheduled to be in series, with CMRR preceding UPF. CMRR is in the final design phase; UPF is between the preliminary and final design phases. The UPF design team has included up to 700 design team members.

Site Reports

The morning continued with Site Reports; the reports continued after lunch, with a few other presentations mixed in as speakers were available. The site report information is captured in a table at the end of the minutes. The table is broken into 2 sections: primary site contractors and support contractors.

Jim O'Brien has been the primary HQ sponsor of EPWOG. Jim provided a brief overview of his organizations roles, responsibilities and goals. Jim shared a few of the upcoming changes related to his organization and his responsibilities within the organization. Jim will continue to focus on

nuclear safety issues, but will also be assuming responsibility for HSS QA and programmatic organizations. Members of Jim's staff continue to work with the SAWG on a revision to DOE-STD-3009 and are looking at a revision to DOE-STD-1189 (Jim commented that he would like to reformat -1189 to read more like a traditional DOE Standard). Other documents that EPWOG is supporting HSS to review/revise are DOE 420.1C, G 420.1-1, and DOE-STD-1020 (includes seismic criteria). DOE Order 420.1C is in the final RevCom process; G 420.1-1 and DOE-STD-1020 are in the pre-RevCom process; DOE-STD-1020 is consolidating the information from DOE-STD-1020, 1021, 1022, and 1023 into a single document.

Other supported activities include, but are not limited to:

- Response to DNFSB Recommendation 2010-1
- SSO Programs
- FacRep Program
- Beyond Design Basis Event (BDBE) workshop post Fukushima Dai-Ichi.

Earl Hughes is the primary DOE sponsor to the Cognizant System Engineer Subgroup. Earl is the DOE-HQ lead for the Site Safety Oversight and Facility Representative Programs. The next SSO/FacRep meeting is planned for May 14-18 at the Alexis Park Hotel in Las Vegas. Earl is working with Jim Bisker to possibly have the DOE Fire Protection meeting at the same time/location. Earl is also the HSS/DOE-HQ lead for 17 Conduct of Operations Standards and is the author of Chapter 5 of DOE O 420.1C.

Allen Hayward (LANL) provided a presentation (see ftp) describing the application of ISA 84.00.01/DOE-STD-1195 at the CMRR project. Alan noted that DOE-STD-1195 specifically excludes criticality safety and fire protection systems. The focus of the presentation was the application to the confinement ventilation systems (CVS). Safety class components are designed to IEEE standards, so the emphasis of the application is on safety significant components. Safety instrumented systems provide independent, non-shared safety components to ensure performance of the safety functions. Allen's presentation provides graphical examples of systems that are non-compliant, systems that are compliant but cumbersome, and systems that are appropriately compliant. Larry Suttinger (SRNS) provided information from an ISA conference (in Mobile, Alabama) he attended the week before the EPWOG meeting. The CVS components are most likely not going to be categorized as safety significant; it is the controls that operate the CVS components that will receive the SS designation and will receive Safety Implementation Level designation. Larry shared that the Chemical Center for Process Safety is publishing a book on ISA 84.00.01 application; Larry will try to get an early version to share. Diane Cato offered to help with WTP and WRPS contacts.

Ed Williams (Sandia National Laboratory and the chair of the Energy and Infrastructure Working Group (EIWG) Maintenance Subgroup) gave the group a summary of their recent meetings. One area of focus for the Maintenance subgroup that is of interest to the EPWOG is reliability driven maintenance. Programs are being developed based on equipment function, facility life expectancy, and facility mission. More information is available from Ed. LEED Certification training is being set up jointly through the EIWG and the Project Management Working Group. Lynnwood Dukes (SNL) is coordinating from the EIWG perspective.

Possible working group crossover activities were discussed. It was agreed that the joint meeting with SAWG was useful (the last time we had jointly met was in 2008). EPWOG was represented at the DOE ISM Conference and the ES&H Electrical Safety subgroup meeting at the National Renewable Energy Laboratory in Golden, Colorado. There may also be opportunities for an EPWOG Welding subgroup to interact with the ES&H Working Group related to welding safety.

Potential topics for the spring EPWOG meeting included a session on DOE-STD-1189 implementation lessons learned.

Administratia

Elections were held. The following were reelected for another 1 year term:

Chair: Charlie Kronvall (CHPRC)

Vice Chair: Cherri Defigh-Price (Parsons SWPF)

Secretary: Tobin Oruch (LANL)

Charlie indicated that he will send out an e-mail to each of the subgroups/task teams the 20th of each month to update their portion of the Subgroup/Task Team table by the end of the month. This will support maintaining up-to-date status information for each of the EPWOG subgroups/task teams on the EPWOG web page.

Wrap-up

Action items identified are:

- Assist Jim O'Brien BDBE walkdowns as time and funding allow
- Propose code and standard edition proactive process for 851 (and perhaps 420.1) to Jim whereby HQ evaluates and/or adopts new editions centrally versus contractor-by-contractor

The next general EPWOG telecom will be in late January to mid-February. The membership will be notified of the date, time, and number via email.

The next face-to-face meeting will be in late April to early May. The tentative date and location May 1/2 at the Forrestal Building in Washington D.C. Details will be communicated in the Jan/Feb conference call.

Day 3 Thursday October 27

A small group travelled to LANL for a tour of the LANL facilities including DARHT, LANSCE, NHMFL, and the Bradbury Science Museum. Special thanks to Tobin Oruch for scheduling and coordinating the tour.

Site Updates

Site/Company	Presentation Summary	FTP File
Hanford/CHPRC	Charlie Kronvall summarized progress for the Hanford prime D&D contractor. Significant progress was in the clean-up of the Hanford site through use of ARRA funding. Examples discussed were the demolition of several buildings and the construction of new groundwater treatment facilities. Due to the end of ARRA funds, the CHPRC recently went through a major force reduction.	Yes
Hanford/WRPS	Diane Cato provided the Hanford Tank Farms contract overview. Diane highlighted that they are having success with the deployment of the Mobile Arm Retrieval System (MARS). WRPS is implementing "SmartPlant" into their processes; they are receiving consulting help from SRNS in the implementation. Within WRPS, Cognizant System Engineer and Design Authority responsibilities have been split out; CSE system and boundary assignments have been reset to better reflect current operational conditions. WRPS and the Waste Treatment Plan are continuing to look at forming a transition organization for when the WTP operations begin.	No
Idaho/INL	Mark Pettet noted that they have issued 15 new, short CoE procedures, and are working on adding engineering standards for nuclear work to their AE standards.	
Livermore/LLNL	Howard Wong provided an update of activities at the LLNL. The Pu/U inventory levels are 5% of what they used to be; i.e., 95% of the inventory has been removed. LLNL will still have 4-5 Category 2 Nuclear Facilities and 5-6 Category 3 Nuclear Facilities. The National Ignition Facility is performing both classified and unclassified experiments.	Yes
Los Alamos/LANL	Tobin Oruch provided an update on conduct of engineering changes at LANL. Tobin also discussed a draft procedure for application of engineering to the R&D process and the LANL NFPA (electrical safety) program implementation in which walkdowns and reconstitution would be undertaken (SRS has already done so with AREVA). Tobin shared that LANL is looking at assigning CSEs to passive SC/SS systems, as well as discussing the LANL approach to managing credited defense-in-depth systems. Tobin requested that facilities with procedures describing a graded approach to engineering within radiological or high/moderate Haz Cat facilities versus Cat	Yes

	1/2/3 nuclear facilities share the procedures with him.	
Oak Ridge/ORNL	Tom Etheridge provided an overview of ORNL activities. Tom's slides provide an overview of new facility construction at the ORNL. ORNL has applied to the NBIC for Federal Inspection Agency status for Boilers and Pressure Vessels; if approved, this means that ORNL will be able to self-perform their ASME required Boiler and Pressure Vessel inspections (SRNS did/doing also). Tom also reported that ORNL is prototyping use of "ORNL Online University" (powered by Red Vector http://www.redvector.com/) as a means of providing Engineering continuing education. ORNL has purchased 50 seats for \$13,000 (\$300 per PE, \$99 otherwise); performance will be shared by Tom at future meetings; this may be a product worth considering by other sites for their engineering continuing education.	Yes
Oak Ridge/Y-12	Ken Keith provided an overview of the Y-12 activities. The UPF is between CD-2 and CD-3 for various pieces of the project. UPF, which will replace 3 current Y-12 facilities, will reduce security requirements to about 1/10 th the current footprint. Ken discussed the August 2011 DNFSB letter related to Y-12 Conduct of Operations; Ken stated that Y-12 is anticipating receipt of an additional letter in the near future.	No
Savannah River/SRNS	Larry Suttinger provided the Savannah River Nuclear Solutions (SR M&O contractor) overview. The HWCTR (Hector) facility has been demolished to ground level. The P and R reactors have been successfully grouted. The K Area cooling tower (as seen on YouTube http://www.youtube.com/watch?v=PjPdEw4MWTc) has been felled. SRNS continues construction of the Waste Solidification Facility; the feed for the WSF will come from the Mixed Oxide (MOx) facility. The WSF will grout the MOx waste into drums.	Yes
Savannah River/SRR	Karen Lesko provided an update of activities for the SRS Tank Farms contractor. SRR's safety performance was noteworthy this past year. SRR recorded a 25-year low TRC rate for the SRS. SRR achieved VPP STAR status; a key element of achieving STAR status was the implementation and performance of local safety improvement teams. SRR met all milestones. Karen included a slide showing tank closure progress and forecast; 2 tanks were closed last year and 2 were closed this year. The future closure rate may slow due to reduced funding.	Yes
Savannah/River/SWPF	Cherri DeFigh-Price provided a status of construction	Yes

	progress at the SWPF. Construction is about 50% complete. SWPF is receiving independent Construction Project Reviews; the review team memberships have typically been 30-40 individuals.	
AECOM	Jim Homan provided an overview of AECOM. AECOM is a relatively large A/E firm (50,000 employees) with offices in locations that include Richland, Albuquerque, Colorado Springs, and Phoenix. Jim discussed waste water treatment work that AECOM is doing in support of the Fukushima event; one water treatment facility went from contract award to design to construction to operation in 4 weeks.	No
Merrick/Denver	John Andrzejczak provided an overview of the Merrick Corporation, including a listing of current and past tasks for both DOE and non-DOE customers. Merrick has <500 employed in 14 offices throughout North America. Merrick is seeking to hire a new president by March 31, 2012. Highlights of operations include the following: <ul style="list-style-type: none"> • Waste/Bio Energy—Coors waste facility produces ethanol from “spilled beer.” • Architectural—DoD, Post Office, R&D • Civil—Land development, water treatment • Nuclear Services—UPF, CMRR 	No
Vista Engineering Technologies	Steve Riesenweber described several of the projects that Vista is currently supporting. Vista is a small (~80 staff), veteran owned A/E business. About 2/3 of their work is engineering related and 1/3 split between environmental and R&D.	Yes

EPWOG Semi-Annual Meeting
Albuquerque, NM Sheraton
Tuesday October 25, 2011
A.M. -- Valle Grande Room (1st floor)

Time	Topic	Lead	Objective
0800	EPWOG/SAWG Joint Meeting	CM Kronvall/RS McKeehan	Discuss topics of mutual interest to EPWOG and SAWG
8:00	Introduction		Bruce Wilson, B&W Y-12
8:05	EPWOG – function, major areas of interest		Charlie Kronvall, CHPRC (EPWOG Chair)
8:20	SAWG – function, major areas of interest		Rob McKeehan, UT-Battelle, ORNL
8:40	Safety Instrumented Systems at WTP (ISA 84)		TBD
9:30	Break		
9:45	Comments on proposed changes to DOE O 420.1C, G 420.1-1A, STD-1020 and STD-1066		Group discussion
10:30	DOE-STD-3024: System Design Description Documents		Cherri Defigh-Price, Parson SWPF (EPWOG Vice Chair)
11:15	EPWOG CGD Sub-group activities		Ken Keith or Dennis Weaver
1200	Lunch		

P.M. -- Rio Grande Room (2nd floor)

1300	Assemble/Introductions/Logistics	Charlie/Tobin	Set the stage
1305	Introduction	Charlie Kronvall	Subgroup/Task Team status
1315	Welding	Charlie Kronvall for Gary Cannell	Summary of info in EPWOG Subgroup Status Table
1325	Testing Sub Group	Doug Messerli	“
1335	System Engineer	Diane Cato	“
1345	Engineering Software Toolbox	Donna Bennett	“
1355	Pressure Safety Sub Group	Tom Etheridge	“
1405	Fire Protection	Perry D’Antonio	“
1415	Commercial Grade Dedication	Dennis Weaver/ Don Zinter	“
1425	Configuration Management	Bob Cullum	“
1435	Best Practices--status	Cherri DeFigh-Price	Status and discussion of

			needed actions
1445	Break		
1500	Corrosion Monitoring	Glenn Edgemon	Overview of Hanford Tank Farms corrosion
1530	Code of Record	Ken Keith to lead discussion	Code of Record <ul style="list-style-type: none"> ○ What is it ○ Who owns it ○ Where does it best reside
1600	Wrap up for the Day		Review Action items for the day and prep of 10/26
1615	Adjourn		
	No-host dinner in Old Town		Eat and network

Wednesday October 26
All Day -- Rio Grande Room (2nd floor)

Time	Topic	Lead	Objective
0800	Assemble/Introductions/Logistics	Charlie/Tobin	Set the stage
0815	Conduct of Engineering Training	Ken Keith Jeannie Lozoya	Overview of current DOE programs, potential for transfer to Contractors, status of Task Team, ... Open discussion and initiate planning, scoping ...
0900	Break		
0915	EM Life After ARRA	Charlie Kronvall	Discuss impacts of ARRA tasks and impacts of loss of ARRA funding on FY 12/13 activities
0935	NNSA Major Project Status	Ken/Tobin?	Status major NNSA projects at SRS (MOx), Y-12, and LANL
1000	Site Reports	All	5-10 minutes for Highlights of your company activities, issues, lessons

1200	Lunch		Eat and network
1300	Comments from Sponsors (optional) (timing flexible to support Jim O'Brien et al)	Sponsors	General comments, advice
1320	Administratia	Charlie Kronvall	Elections EFCOG Annual Report FY 2012 BP Goal Rosters "Status" Table
1345	Other WG Interactions (SAWG, QA, Proj Mgmt, WM, D&D, Human Capital, Environ Safety & Health, ...) EIWG (Bob Knudson) Seismic summit in DC (10/25-27)	Charlie Kronvall	Opportunities for partnerships
1415	Look ahead <ul style="list-style-type: none"> • Status of 420.1C and Guides: Fire, CSE, NPH for EPWOG • DOE organization changes • Previous Items <ul style="list-style-type: none"> ○ STD-1189 Updates ○ Tech Readiness Assessments 	Charlie Kronvall	
1445	Break		
1500	ISA 84.00.01 and DOE-STD-1195	Allen Hayward	Implementation experience on LANL CMRR Project confinement ventilation
1600	Meeting Planning Conference Call/Spring Meeting LANL Tour	All	
1615	Action Item Review/wrap-up	Tobin Oruch	Review Action items
1630	Adjourn		
	No-host dinner at High Finance (top of Sandia Tram)		Eat and network

Thursday October 26

0630	LANL Technical Tour		
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EPWOG Attendance Oct 25-26, 2011

Tues	Wed			phone	email
X	X	Andrzejczak, John	Merrick	303-353-3832	john.andrzejczak@merrick.com
X		Beckman, Tom	ARES	505-377-9481	tbeckman@arescorporation.com
X	X	Cato, Diane	WRPS	509-619-3733	diane_m_cato@rl.gov
X	X	DeFigh-Price, Cherri	Parsons	803-617-9101	Cherri.Defigh-Price@Parsons.com
X		Edgemon, Glenn	ARES	509-946-3300	gedgemon@arescorporation.com
X	X	Etheridge, J. Tom	ORNL	865-574-0115	etheridgejt@ornl.gov
	X	Hayward, Allen	LANL	505-606-0840	allenh@lanl.gov
X	X	Homan, Jim	AECOM	509-375-7875	James.Homan@AECOM.com
X	X	Hughes, Earl	DOE-HS	202-586-0065	earl.hughes@hq.doe.gov
X	X	Keith, Ken	Y-12	865-576-9687	k7k@y12.doe.gov
X		Knudson, Bob	ARES	702-290-4112	rknudson@arescorporation.com
X	X	Kronvall, Charlie	CHPRC	509-376-9601	Charles_M_Kronvall@rl.gov
X	X	Lesko, Karen	SRR	803-208-8683	karen.lesko@srs.gov
	X	Meeks, Walter	DOE-NTC (Chenega)	505-845-5170 ext 258	wmeeks@ntc.doe.gov
X		O'Brien, Jim	DOE-HSS	301-903-1408	james.o'brien@hq.doe.gov
X	X	Oruch, Tobin	LANL	505-665-8475	Oruch@lanl.gov
X	X	Pettet, Mark	INL	208-526-1116	mark.pettet@inl.gov
X	X	Riesenweber, Steve	Vista Eng	509-737-1377	Riesenweber@vistaengr.com
X	X	Suttinger, Larry	SRNS	803-952-7120	Lawrence.suttinger@srs.gov
	X	Williams, Edward	SNL, EIWG	505-844-9989	ejwilli@sandia.gov
X	X	Wong, Howard	LLNL	925-423-5722	wong59@llnl.gov