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| February EFCOG Fire Protection Task Team Meeting Minutes |
| 2.22.2017 | 12:00 MST | Skype Meeting / 505-844-5300 |
| Meeting called by | Julie Cordero, Chair |
| Type of meeting | Monthly Meeting |
| Facilitator | Julie Cordero |
| Note taker | Julie Cordero |
| Timekeeper | N/A |
| Attendees | Rich Lewis, Tom Allison, Peter Feng, Mark Rosenberger, Angela Brown, Mike Cates, Doug Clark, Corey Stillworthy, Jim Bisker, Allan Coutts, Rob Nii, Alex Smith, Kyle Morrison, Taryn Couchman-Cates, Brian Sackett, Ryan Lehnert, Rob Plonski, Brett Kujath, Vince Kunkler, Neal Hara, David Greer, Harvey Goranson, Darwin Damba, Will Cosey, Dave Tomecek, Jon Gault, Jessy Innocent, Josh Herrera |
| Action Item Review |
|  | Julie Cordero |
| Action Items | Person Responsible | Deadline / Status |
| Confirm membership of all individuals on distribution and provide non-members the option to join. Non-members not wishing to join will be removed from the distribution. | Julie Cordero | On-going |
| Reminder: Multiple documents have been posted to the Repository (i.e., Delegation of Authority Letters, Equivalencies and Exemptions, Applicability Matrices for DOE O 420.1C, DOE-STD-1066-2012 and DOE-STD-1020-2012, NFS-16 presentations), [http://hqlnc.doe.gov/eh/Fire+Protection.nsf/hp?OpenForm](http://hqlnc.doe.gov/eh/Fire%2BProtection.nsf/hp?OpenForm). Login uses first and last name (e.g., Jane Doe). Verify member information is correct. Send Jim Bisker an e-mail at Jim.Bisker@hq.doe.gov so he can reset your password, if needed. | All | On-going |
| Volunteer for a Joint-Contractor review effort of codes/standards. Note: Rich Lewis is the POC  | All | On-going |
| Provide a list of robust SNM containers for which empirical fire testing results may be useful. Send to Ray Sprankle, SRNS, N&CSE, Ray.Sprankle@srs.gov, 803-557-9470 or Rob Plonski, Robert.Plonski@srs.gov. | All | On-going |
| Send Hanford’s ITM Standards document to the EFCOG FP Task Team distribution.Status: James Collins left Hanford, and new POCs have been contacted via e-mail on 2/22/17. | Adam Moldovan or Coby Sadler | TBD |
| Reach out to the NFPA POC regarding the call for data to calculate failure ratesStatus: an e-mail inquiry was sent to sandbox@nfpa.org on 9/28/16 and a follow-up on 2/21/17; response is pending | Julie Cordero | TBD |
| Post INL equivalencies regarding ITM frequencies to the RepositoryStatus: log-in issues, but Mike will try again and reach out to Jim Bisker if assistance is needed | Mike Cates | ECD: 3/22/17 |
| Share documentation related to Fire Barrier ITM Programs, inspection forms, checklists. They can be-emailed to Julie Cordero for distribution.Status: Rich Lewis to provide SRNS facility-level inspection checklists after pending revisions are made in ~March/April | All | TBD |
| Send out SME list for review | Julie Cordero | 3/23/17 |
| Validate SME list  | All | 4/26/17 |

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| Joint-Contractor Review Effort of Codes/Standards |
|  | Rich Lewis |
| Discussion | Status Update |
| The Pilot will be initiated today with a target goal of 2 codes/site reviewed in 60 days. Savannah River currently reviews ~40/year and hopes to reduce it to 5 or 6/year.  |
| Action Items | Person Responsible | Deadline |
| Track status in EPSG Task Report | Julie Cordero | On-going |
| Highly Protected Risk (HPR) |
|  | Dave Greer / Tom Allison |
| Discussion | Status on “HPR” Whitepaper |
| SRS provided input. The draft is ready to be sent for peer review, beyond the group that drafted the document. Dave is looking for 2-3 volunteers to review. Peter Feng and Dave Tomecek volunteered to review.STD-1066 has good discussion and the intent it to expand on it. It’s a primer for those who are new to DOE and helpful for those without an insurance background.The goal is to have the whitepaper ready for rollout at the May Fire Safety Workshop. Ultimately, this whitepaper may become a Best Practice. If incorporated into 1066 in the next revision, Section 2.3 is the appropriate section.Jim Bisker indicated that the DOE Fire Protection website has old documents with historical information on HPR. Dave Greer would like to review and validate with the information in the whitepaper. |
| Action Items | Person Responsible | Deadline |
| Present HRP Whitepaper at NSF-17; either to the larger group or in the EFCOG FP Task Team Meeting | Dave Greer | 5/4/17 |
| Send old HRP documents to distribution | Jim Bisker | Complete – sent on 2/22/17 |
| DOE O 420.1C Chg 2 & STD-1066-2016 |
|  | Jim Bisker  |
| Discussion | Status |
| DOE O 420.1C Chg 2 status is unknown. It’s in limbo with the new administration. The prototype rollout of STD-1066-2016 will begin the week of March 14th. Savannah River will be the first site visited. Oakridge and Y-12 will be visited the same week. |
| Action Items | Person Responsible | Deadline |
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| Best Practices (BP) |
|  | Julie Cordero |
| Discussion | The 3 Fire Protection Best Practices will be archived, <http://efcog.org/best-practices/> |
| 41:  Use of RCM Concepts for FP ComponentsPer Rich Lewis, author of this best practice, the high-level concepts are still valid but the details are difficult to implement and get Field Office support on.  This BP needs to be updated, so it will be archived. 83: FPP Applicability to DOE Contractor-Leased FacilitiesThe “meat” of this best practice was incorporated into STD-1066-2012, thus it will be archived.104: FPP AssessmentsThe Sandia Field Office, with support from two other Feds, just performed an assessment of the Sandia FP program and plans to issue a finding for the manner in which Sandia conducts the comprehensive self-assessments.  The concept of load-leveling an assessment over a 3-year period is supported at a high-level, however, the details of execution are not supported.  Thus, it will be archived. This BP could be updated in the future. |
| Potential new Best Practices:* Joint-Contractor Review of Codes/Standards (Rich Lewis)
* HRP (Dave Greer)
* Glovebox Suppression (Tom Allison)
* Additive Manufacturing/3D Printing (Josh Herrera and one other)
* Lithium Battery Management (Will Cosey)
* Graded Approach for Order and STD (Dave Tomecek)
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| Action Items | Person Responsible | Deadline |
| Brainstorm additional ideas for potential new Best Practices; volunteer for a sub-team to develop  | All | 5/4/17During EFCOG FP Task Team Meeting at the Fire Safety Track of the NFS-17 Workshop  |
| Fire Safety Committee Charter |
|  | Jim Bisker |
| Discussion | Status |
| The primary changes are to the Membership section which now reads:Membership in the DOE Fire Safety Committee is open to DOE federal fire safety technical personnel with responsibility for managing and overseeing implementation of fire protection requirements within the department. Membership shall include a representative from the Emergency Management Issues Special Interest Group’s (EMI SIG) First and Field Responders Subcommittee (FFRSC) and a representative of the Energy Facility Contractors Group’s (EFCOG) Fire Protection Task Team. Additional representation shall be made available to technical staff from the Defense Nuclear Facilities Safety Board and the DOE Office of Enterprise Assessments. If a vote is taken, only DOE federal personnel are permitted to vote. The Committee Chairman and Committee Secretary will be personnel from the DOE Office of Environment, Health, Safety and Security (EHSS). Contractors will no longer be members. Julie Cordero’s comments: The draft Charter does not specifically address the relationship between the Fire Safety Committee and the EFCOG Fire Protection Task Team. The Charter indicates that the Fire Safety Committee is responsible for developing positions/best practices/standards/etc. In the past, Contractors have played a large role in providing edits to the STD-1066 and developing BPs. Jim Bisker indicated that this is not expected to change and the 1 EFCOG FP Task Team representative will move the proposed changes/edits/BPs forward to the Fire Safety Committee. Will Cosey will serve as the representative for the EFCOG Fire Protection Task Team. He will draft some proposed edits of the Charter for consideration. |
| Action Items | Person Responsible | Deadline |
| Send Jim Bisker updated contact information | Will Cosey | 3/22/17 |
| Provide comments to the Fire Safety Committee on the Charter | Will Cosey | 5/4/17 |
| Review and provide comments to Will Cosey on the Fire Safety Committee Charter | All | 5/1/17 |
| Glovebox Suppression |
|  | Tom Allison |
| Discussion | Status |
| Savannah River is looking at options, specifically hybrid water mist systems. However, it appears to have not yet been tested on combustible metals. NFPA 770, *Standard on Hybrid (Water and Inert Gas) Fire Extinguishing Systems* will not be issued for a few years. |
| Per Mike Cates, the gloveboxes at INL have various types of systems (e.g., gaseous and water). The Glovebox Society is meeting soon. Perhaps we can have representation at the meeting. INL has a local glovebox committee and has found that developing a consistent approach is challenging. SRS, INL, ORNL and LANL have all done testing and can possibly coordinate. Tom Allison has been working with LANL. |
| Action Items | Person Responsible | Deadline |
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| Upcoming Meetings |
|  | Jim Bisker / Julie Cordero  |
| Discussion | Nuclear and Facility Safety Workshop (NFS-17), Fire Safety TrackEngineering Practices Subgroup (EPSG) meeting |
| Nuclear and Facility Safety Workshop (NFS-17), Fire Safety Track, May 1-7, 2017, Alexis Park Hotel, Las Vegas, NV; Wed 1/2 day, Thurs All DayDon’t forget to register; only ~33 people have registered thusfarJim Bisker sent out a draft agenda; Rob Plonski is working on setting up a tour. A revised agenda will be sent out in the next few weeks.2-3 training opportunities will be available on Mon and TuesProposed topic for EFCOG FP Task Meeting:* Rich Lewis proposed ‘3D metal printing’ as a topic. Ryan Lehnert already plans to discuss during his talk.
* Jessy Innocent proposed ‘government-owned vs. government-leased’ facilities. Julie Cordero can share what has been proposed at Sandia, but it is still pending SFO input.
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| Engineering Practices Subgroup (EPSG) meeting, 4/25/17 and 4/26/17 (Tues am–Wed noon), Washington, D.C., Forrestal Building.There are no fees to attend.  Remote attendance options may be available. These meetings have been approved conference policy exempt (operational, event ID# 36685). |
| Action Items | Person Responsible | Deadline |
| Register for NFS-17 Workshop at <https://nfsworkshop.pec1.net/default.aspx> | All interested in attending |  |
| Provide government-owned vs. government-leased info to Jessy Innocent | Julie Cordero | 3/22/17 |
| Additional Discussion Items |
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| Discussion | Toolbox Status of CFAST |
| Incorporation into the Toolbox is expected soon. |
| Action Items | Person Responsible | Deadline |
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| Review of Proposed Topics for Future Meetings |
|  | Julie Cordero |
| Discussion | Proposed topics (from the Jan 2015 survey, requests to Chair via e-mail, meetings):* Review of Office of Enterprise Assessments Lessons Learned from Targeted Reviews of Fire Protection Programs at DOE Nuclear Facilities (8/7/15) recommendations for all sites across the DOE Complex, <http://energy.gov/ea/services/assessments/environment-safety-and-health-assessments/review-reports>
* Fire Safety & Evacuation Plans
* Management of Combustible Loading (i.e., guidelines/thresholds, how combustible materials are quantified so that operations personnel can determine compliance with combustible loading requirements)
* Tritium Exit Signs (e.g., who uses them, replacement, disposal method)
* Fire Dynamics Simulator (e.g., who uses FDS, are results used to support a technical position or an engineering judgement)
* Chemical Management
* Halon Removal Efforts
* Program Performance Metrics
* Tenability Standards for Performance-Based Design
* Fact Sheet on Fire Protection Considerations with Green Building Design
* Innovative R&D
* NFPA 801 (i.e., limited combustible construction conflict with DOE-STD-1066)
* \*NEW: NFPA 13 Dry Pipe Systems – Nitrogen Systems
* Legacy Issues with Facilities that have an Unknown COR (e.g., Non-Compliance with NFPA Codes and Standards)
* 2015 NFPA 101, 13.7.6.1, requirements for crowd managers in Assembly Occupancies
* Positive Accountability for Evac Drills
* As-built Drawings
* VTR/SCIF Locksets
* IFC vs. NFPA vs. DOE-STD-1212 Maximum Allowable Quantities
* NFPA 72 communication modes for panels (Sec. 26.6.4.1.4) (Lead: Richard Lewis)

Topics discussed in past meetings:* Acceptance Testing of New Emergency Lights (i.e., post maintenance test requirement when emergency lights are replaced) [July 2015]
* Glycerin Anti-Freeze Change-Out [Oct 2015]
* Underground/Subterranean Facilities (Lead: John Kubicek) [Nov 2015]
* Review/documentation of newly published codes/standards for implementation [Dec 2015]
* AHJ Delegations & Impact on Contractors (Lead: John Saidi) [Mar 2016]
* ITM at Leased Facilities (Lead: Mike Cates) [May 2016]
* NFPA 72 PB Alternative for Visual Notification Device Heights (Lead: Josh Herrera) [Sept 2016]
* Container Fire Testing (Lead: Ray Sprankle) [Sept 2016]
* RCM (e.g., Fire Extinguishers) [Oct 2016]
* Testing Fire Barriers and Penetrations [Oct 2016]
* FPE Staffing Needs Analysis [Oct 2016]
* HPR [Nov 2016]
* Fire Safety Committee [Jan 2017]
* Gloveboxes (e.g., suppression options) [Feb 2017]
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| Conclusions |  |
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| Action Items | Person Responsible | Deadline |
| E-mail proposed topics to Julie Cordero with a reference to “EFCOG” in the Subject Line | All | On-going |
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