|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| October EFCOG Fire Protection Task Team Meeting Minutes | | | | | | |
| 10.26.2016 | | 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 | James Apida, Ryan Lehnert, Rob Plonski, Rich Lewis, Harvey Goranson, Vince Kunkler, Alex Smith, Angela Brown, Chuck McKnight, Jake Greenwell, Mike Cates, Brett Kujath, Randy Lanham, Bill Brown, Mike Kretschmann, Josh Herrera, Brian Sackett, Jon Gault, Mike Vaughn, Frank Broidy, Thomas Allison | | | | | |
| Action Item Review | | | | | | |
|  | Julie Cordero | | | | | |
| Discussion | Status update | | | | | |
|  | | | | | | |
| Conclusions |  | | | | | |
|  | | | | | | |
| 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,), <http://hqlnc.doe.gov/eh/Fire+Protection.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](mailto: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, Mike Vaughn, Mike Cates, Darwin Damba, Frank Broidy and Virgil Rankin have already volunteered. | | | 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](mailto:Ray.Sprankle@srs.gov), 803-557-9470 or Rob Plonski, [Robert.Plonski@srs.gov](mailto:Robert.Plonski@srs.gov). | | | All | | On-going | |
| Follow up with INL POCs to get a copy of the INL Equivalency for fire extinguisher ITM and distribute to EFCOG FP Task Team distribution. | | | Julie Cordero | | Complete – emailed on 10/26/16 | |
| Send PNNL Job Posting out to the EFCOG FP Task Team distribution. | | | Julie Cordero | | Complete – emailed on 9/28/16 | |
| Post/E-mail the NFPA 72 Performance-Based Alternative for Visual Notification Devices to the Repository. | | | Josh Herrera / Julie Cordero | | Complete –  e-mailed on 9/29/16;  Repository posting request submitted 10/26/16 pending | |
| Send Hanford’s ITM Standards document to the EFCOG FP Task Team distribution. | | | James Collins | | TBD | |
| Reach out to the NFPA POC regarding the call for data to calculate failure rates  Status: an e-mail inquiry was sent to [sandbox@nfpa.org](mailto:sandbox@nfpa.org) on 9/28/16; response is pending | | | Julie Cordero | | TBD | |
| Joint-Contractor Review Effort of Codes/Standards | | | | | | |
|  | Rich Lewis | | | | | |
| Discussion | Status Update | | | | | |
| Rich Lewis has engaged other from the SRS site to help in the effort. Mike Vaughn will be reaching out to other sites to get POC info. A guide is being drafted to follow in order to document the reviews consistently. A list of codes/standards is being developed; both a short pilot list as well as a comprehensive list. The pilot is expected next CY. | | | | | | |
|  | | | | | | |
| Conclusions |  | | | | | |
|  | | | | | | |
| Action Items | | | Person Responsible | | Deadline | |
|  | | |  | |  | |
|  | | |  | |  | |
| Fire Extinguisher ITM Variance/Equivalency | | | | | | |
|  | Jake Greenwell (for David Greer) | | | | | |
| Discussion | Status of Y-12 Equivalency to NFPA 10 requirements for monthly fire extinguisher inspections | | | | | |
| Jake Greenwell stated that Y-12 is in the process of submitted an equivalency request (to NFPA requirements) to their Site Office. The 1997 INL Equivalency documentation may be used as a reference. After approval is obtained, a variance to 851 (which references OSHA) will be pursued. 1-2 years of fire extinguisher ITM data is being used as justification for the equivalency. A graded approach will be used (i.e., any areas that have been problematic will continue with monthly inspections). | | | | | | |
| Rich Lewis mentioned that he recently saw a related question to OSHA. The response indicated that the monthly inspection could not be extended.  OSHA has many Standard Interpretations related to fire extinguishers, <https://www.osha.gov/pls/oshaweb/owasrch.search_form?p_doc_type=INTERPRETATIONS&p_toc_level=3&p_keyvalue=1910.157&p_status=CURRENT>  The Standard Interpretation related to whether monthly inspections can be performed quarterly is found at:  <https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=INTERPRETATIONS&p_id=25824>  Y-12 has reviewed this interpretation. | | | | | | |
| Mike Cates stated that INL has other equivalencies regarding ITM frequencies and will post them on the Repository. | | | | | | |
| Conclusions |  | | | | | |
|  | | | | | | |
| Action Items | | | Person Responsible | | Deadline | |
| Post INL equivalencies regarding ITM frequencies to the Repository | | | Mike Cates | | 11/23/16 | |
|  | | |  | |  | |
| Testing Fire Barriers and Penetrations | | | | | | |
|  | Mike Cates / Rob Plonski | | | | | |
| Discussion | An INL FPE is interested in doing some benchmarking with other DOE sites.  Frequency of ITM on passive features. | | | | | |
| INL is planning to start evaluating fire barriers and build an ITM program for fire barriers from the ground up. Do other sites have a more mature program that can provide assistance? INL does not want to pursue destructive testing at this time. Engineering Judgements from Hilti are currently being pursued. | | | | | | |
| Pantex identified some penetrations with improper firestop about 4 years ago and began working the issue. | | | | | | |
| ORNL primarily uses STI firestop materials. They have trained installers and one trainer. All fire barriers (doors, dampers, seals) are inspected annually. The program is fairly mature. | | | | | | |
| Sandia and NST expressed issues in determining whether barriers are required to be fire-rated (e.g., fire doors are installed in barriers where fire-rating does not appear to be required). Sandia uses Maximo to tag and track fire dampers. | | | | | | |
| Numerous sites expressed an interest in reviewing fire barrier ITM programs/inspection forms/checklists for any sites that have a mature program. | | | | | | |
| Conclusions |  | | | | | |
|  | | | | | | |
| Action Items | | | Person Responsible | | Deadline | |
| Share documentation related to Fire Barrier ITM Programs, inspection forms, checklists. They can be-emailed to Julie Cordero for distribution. | | | All | |  | |
|  | | |  | |  | |
| DOE-STD-1066 RevCom Status | | | | | | |
|  | Jim Bisker / Julie Cordero | | | | | |
| Discussion | Status  Metrics Request | | | | | |
| Metrics (extracted below) and a table detailing the disposition of each comment were provided by David Compton and e-mailed to the EFCOG FP Task Team distribution on 10/26/16. Most PSOs have already given final concurrence – for example, NNSA and EM and NE have all done so.  SC asked for an additional week for their final concurrence – due tomorrow.  550 – Total Comments  339 – Suggested Comments (62%)  211 – Essential Comments (38%)    227 – Comments Accepted As Is. (41%)  134 – Comments Accepted in Part. (24%)  189 – Comments Not Accepted. (34%) | | | | | | |
| Conclusions |  | | | | | |
|  | | | | | | |
| Action Items | | | Person Responsible | | | Deadline |
|  | | |  | | |  |
|  | | |  | | |  |
| FPE Staffing Needs Analysis | | | | | | |
|  | Julie Cordero | | | | | |
| Discussion | How do other sites perform a Staffing Needs Analysis? | | | | | |
| Sandia and INL are interested in Staff Needs Analyses performed at other sites.  Sandia performs an annual assessment with a comprehensive list of tasks anticipated and the estimated hours for each task. The labor hours needed are compared against the labor hours available to determine the gap. | | | | | | |
| SRS has performed an analysis in the past that is more focused on a level of effort vs. task-based. | | | | | | |
| Mike Kretschmann mentioned an old benchmarking report that was issued by Peter Feng and Bob Bitter. It indicated how many FPE’s/square foot for each site. | | | | | | |
| Conclusions |  | | | | | |
|  | | | | | | |
| Action Items | | | Person Responsible | | | Deadline |
| Contact Peter Feng to obtain benchmarking report  Status: Peter Feng confirmed that he does not have the past complex wide report (by site) that identified square footage and FPE FTE head count. | | | Angela Brown | | | Complete – 10/26/16 |
|  | | |  | | |  |
| Additional Discussion Items | | | | | | |
|  |  | | | | | |
| Discussion |  | | | | | |
| Safety Significant Fire Water Supply Systems:  Rich Lewis asked if any other sites have a Safety Significant (SS) fire water supply system. He is trying to determine reliability. Angela Brown stated there was one at her site. Randy Lanham stated that Pantex has a Safety Class (SC) system that is monitored and has redundancy. Vince Kunkler stated that ANL has a facility with a SS fire protection system with pressure monitoring devices. The facility is in the process of down-grading, thus it will not be SS. | | | | | | |
| VESDA High Sensitivity Smoke Detection:  Josh Herrera recently attended a presentation by a local vendor. A new product, VESDA-E VEA has 40 sampling ports that can produce a location-specific alarm. He was interested to know if any sites have this system installed and can provide feedback. Rob Plonski recommended he reach out to LANL. | | | | | | |
| Conclusions |  | | | | | |
|  | | | | | | |
| Action Items | | | Person Responsible | | | Deadline |
|  | | |  | | |  |
|  | | |  | | |  |
| 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 * RCM (e.g., Fire Extinguishers) * Gloveboxes (e.g., suppression options, utilization of non-combustible materials) * 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] * Testing Fire Barriers and Penetrations [Oct 2016] * FPE Staffing Needs Analysis [Oct 2016] | | | | | |
| Conclusions |  | | | | | |
|  | | | | | | |
| Action Items | | | Person Responsible | | | Deadline |
| E-mail proposed topics to Julie Cordero with a reference to “EFCOG” in the Subject Line | | | All | | | On-going |
|  | | |  | | |  |