

INFORMATION CLEARANCE REVIEW AND RELEASE APPROVAL

Part I: Background Information

Title: EFCOG Safety Working Group FY2019 Status	Information Category: <input type="checkbox"/> Abstract <input type="checkbox"/> Journal Article <input type="checkbox"/> Summary <input type="checkbox"/> Internet <input checked="" type="checkbox"/> Visual Aid <input type="checkbox"/> Software <input type="checkbox"/> Full Paper <input type="checkbox"/> Report <input type="checkbox"/> Other Power Point Slides
Publish to OSTI? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Trademark/Copyright "Right to Use" Information or Permission Documentation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NA
Document Number: WRPS-63533 -VA Revision 0	Date: May 2019
Author: McDonald, John A	

Part II: External/Public Presentation Information

Conference Name: EFCOG Board of Directors Working Group Chair Meeting	
Sponsoring Organization(s): DOE	
Date of Conference: 06/04/2019	Conference Location: Washington, DC
Will Material be Handed Out? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Will Information be Published? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If Yes, attach copy of Conference format instructions/guidance.)</i>

Part III: WRPS Document Originator Checklist

Description	Yes	N/A	Print/Sign/Date
Information Product meets requirements in TFC-BSM-AD-C-01?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Document Release Criteria in TFC-ENG-DESIGN-C-25 completed? (Attach checklist)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If product contains pictures, safety review completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Part IV: WRPS Internal Review

Function	Organization	Date	Print Name/Signature/Date
Subject Matter Expert	WRPS	05/08/2019	McDonald, John A IDMS Data File att.
Responsible Manager	WRPS	05/21/2019	McDonald, John A IDMS Data File att.
Other:			

Part V: IRM Clearance Services Review

Description	Yes	No	Print Name/Signature
Document Contains Classified Information?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If Answer is "Yes," ADC Approval Required _____ Print Name/Signature/Date
Document Contains Information Restricted by DOE Operational Security Guidelines?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Reviewer Signature: _____ Print Name/Signature/Date
Document is Subject to Release Restrictions? <i>If the answer is "Yes," please mark category at right and describe limitation or responsible organization below:</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Document contains: <input type="checkbox"/> Applied Technology <input type="checkbox"/> Protected CRADA <input type="checkbox"/> Personal/Private <input type="checkbox"/> Export Controlled <input type="checkbox"/> Proprietary <input type="checkbox"/> Procurement – Sensitive <input type="checkbox"/> Patentable Info. <input type="checkbox"/> OUO <input type="checkbox"/> Predecisional Info. <input type="checkbox"/> UCNi <input type="checkbox"/> Restricted by Operational Security Guidelines <input type="checkbox"/> Other (Specify) _____
Additional Comments from Information Clearance Specialist Review?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Information Clearance Specialist Approval <div style="border: 1px solid green; padding: 2px; display: inline-block; margin: 5px;"> APPROVED <i>By Janis D. Aardal at 12:44 pm, May 21, 2019</i> </div> _____ Print Name/Signature/Date

When IRM Clearance Review is Complete – Return to WRPS Originator for Final Signature Routing (Part VI)

INFORMATION CLEARANCE REVIEW AND RELEASE APPROVAL

Part VI: Final Review and Approvals

Description	Approved for Release		Print Name/Signature
	Yes	N/A	
WRPS External Affairs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	IDMS Data File att. Roxburgh, Rob T
WRPS Office of Chief Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	IDMS Data File att. Roden, Mari L
DOE – ORP Public Affairs/Communications /OCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	IDMS Data File att. Beeman, Melinda C/Levardi, Yvonne M
Other: ORP SME	<input checked="" type="checkbox"/>	<input type="checkbox"/>	IDMS Data File att. Lynch, Jame J
Other: DOE OCC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	IDMS Data File att. Dudley, John R

Comments Required for WRPS-Indicate Purpose of Document:

These slides are for my annual EFCOG board of directors safety working group presentation. There is nothing unique or specific to Hanford or WRPS in these slides.

APPROVED
By Janis D. Aardal at 12:44 pm, May 21, 2019

**Approved for Public Release;
Further Dissemination Unlimited**

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If Yes, what is the Level of Releaser? Public/Unrestricted Other (Specify) _____

Date Information Product Stamped/Marked for Release: 05/21/2019

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EFCOG Safety Working Group FY2019 Status

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
Office of River Protection under Contract DE-AC27-08RV14800



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EFCOG Safety Working Group FY2019 Status

J. McDonald
Washington River Protection Solutions

Date Published
May 2019

To be Presented at
EFCOG Board of Directors Working Group Chair Meeting

DOE
Washington, DC

06/04/2019

Prepared for the U.S. Department of Energy
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APPROVED
By Janis D. Aardal at 12:44 pm, May 21, 2019

Release Approval

Date

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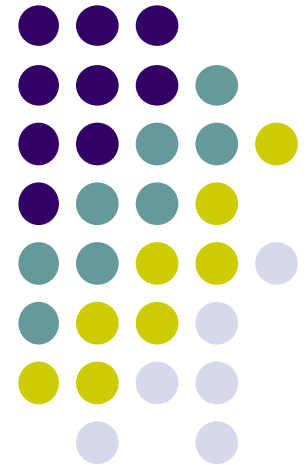
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EFCOG Safety Working Group FY2019 Status



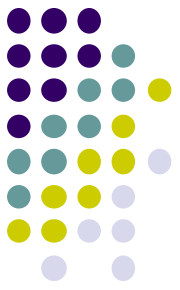
John McDonald
Washington River Protection Solutions, LLC
Working Group Chair
Working Group Chair Meeting
June 4, 2019



Summary



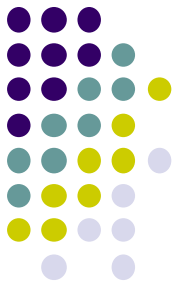
- SWG leadership positions are stable (no chair vacancies)
- SWG activities are consistent with Annual Work Plan
- Emerging activity response continues to be good:
 - CAS Effectiveness (2017)
 - Master Approved Supplier List (MASL) (2017)
 - 10CFR851 Technical Amendment (2018)
 - Regulatory Reform (2018)
 - Chemical Safety Management (2019)
 - Revision of DOE-HDBK-1163, Integration of Multiple Hazard Analysis Requirements and Activities
- Need periodic strategic planning sessions with DOE



SWG Mission and Scope

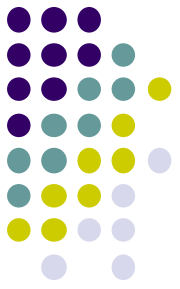
- Attain the highest levels of safety and regulatory performance in facilities
- Advocate strong, effective implementation of ISMS
- Promote best management and operating practices
- Facilitate the exchange of operating experiences and information on safety/regulatory programs
- Provide access to a network of subject matter experts
- Identify opportunities to save and/or avoid costs
- Arrange for training and awareness workshops to enhance the competency of professionals
- Facilitate assist visits when requested

Working Group Leadership



Position	Name	Organization
Chairman	John McDonald	WRPS
Vice Chairman	Jan Preston	Fluor
Secretary	Vacant	
DOE Liaison	Pat Worthington	DOE
EFCOG BOD Sponsor	Michael Lempke	HII
EFCOG BOD Sponsor	Linc Hall	L&L Associates

Subgroup Chairs



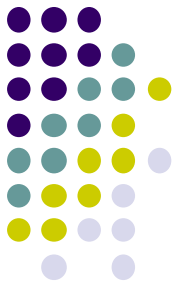
Subgroup	Chair	Organization	~ # Participants
Integrated Safety Management	Patricia Allen	SRR	120
Quality Assurance	Vince Grosso	MSTS	50
Worker Safety and Health	Mary Flora	SRNS	100
Nuclear and Facility Safety	Jeff Buczek	WRPS	70
Engineering Practices	Brad Walker	CNS	50
Sustainability and Environment	Monica Witt	LANL	30
Regulatory Enforcement	Debbie Jenkins Kathy Brack	UT Battelle CNS	30

Task Group Chairs

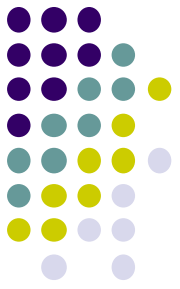


Task Group	Subgroup	Chair	Organization
Accident Analysis	N&FS	John McAllister	AECOM
CAS	ISM	Darlene Murdoch	SRNS
Criticality Safety	N&FS	Andrew Prichard	PNNL
Electrical Safety	WSH	Richard Waters	INL
Fire Protection	ENG	Mike Cates	INL
HPI	ISM	Chuck Ramsey	UT-Battelle
IH and Safety	WSH	John Hill	SRNS
Laser Safety	WSH	Jamie King	LLNL

Task Group Chairs



Task Group	Subgroup	Chair	Organization
Nuclear Safety R&D	N&FS	Mukesh Gupta	AECOM
Occupational Medicine	WSH	Dr. Karen Phillips	HPMC
ORPS	ISM	Lynn Nye	CHPRC
QA Policy and Procedure	QA	Mike Sheridan	BNI/WTP
Radiation Protection	WSH	Jerry Kurtz	WRPS
Reactor Safety	N&FS	Keith Voss	Sandia
Safety Basis	N&FS	Charles Carathers	UT Battelle
Safety Culture/HRO	ISM	Rick Hartley	Pantex



Task Group Chairs

Task Group	Subgroup	Chair	Organization
Software QA	QA	Vicky Pope	LLNL
Supply Chain Quality	QA	Bill Wingfield	LANL
USQ	N&FS	Ron Selvage	EM-LA (N3B)
Welding	ENG	Gary Cannell	Fluor
Work Management	ISM	Rick Runnels	AECOM
Pressure Safety	Eng	Aaron Balsmeier	INL

Leadership by Program Office



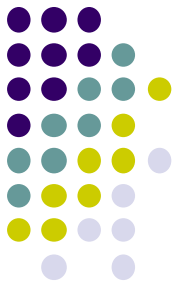
Distribution of Chairs



EM

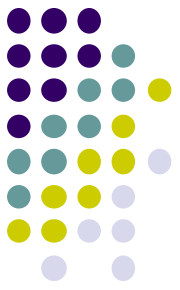
NNSA

Science



2019 Annual Work Plan

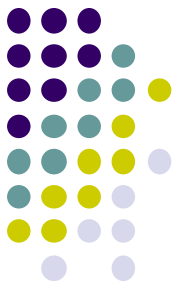
- 2019 AWP has about 80 actions
- No issues to report with the 2019 AWP
- A sample of 2019 AWP activities is included
- Ongoing CAS Effectiveness Discussions
- Master Approved Supplier List
- Chemical Hazard Control Strategy



Emerging CAS Activities

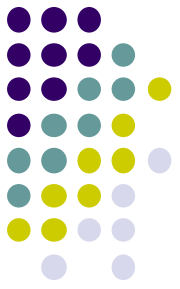
- The SWG reached out to NNSA on application of the Peer Review process (similar to what Science has done)
- EM 3.1 CAS Review at SRNS
- Incorporating Business Assurance into CAS
- Governance and NNSA Expectations
- DOE oversight of CAS
- Office of Science CAS assessment
- Enhancement of the CAS Effectiveness Attributes
- Strong agenda at May ISMS/CAS EFCOG meeting

Master Approved Supplier List



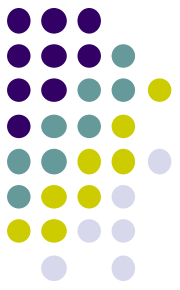
- Increase use of the Master Approved Supplier List (MASL) by continuing to implement recommendations from the 2017 joint EFCOG/DOE report (4.13.1)
- The MASL is coordinated by the EFCOG QA Supply Change Task Group
- 6 of 17 DOE-EM sites are using the MASL
- 8 of 8 NNSA sites are committed to using the MASL
- 1 of 10 OOS sites are using the MASL (PNNL) and 3 are interested
- Widespread support to use MASL from NNSA, DOE-IG, and DOE-EM

Chemical Hazard Control Strategy



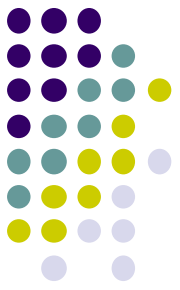
- DOE and Contractors recently met in Aiken, SC to improve the chemical hazard control strategy in HC 1, 2, 3 nuclear facilities as part of ongoing string of activities
 - Attendees including contractor, EFCOG, DOE HQ, and DOE Site
 - Results:
 - Significant and meaningful improvements to the strategy
 - Alignment and agreement between the participants
 - Implementation guidance, implementation considerations, and an improved process graphic were produced at the workshop
- EM issued new Implementation Guidance for Chemical Safety Management (March 15, 2019)
- EFCOG to issue a Best Practice

SWG AWP Highlights – Staff Development



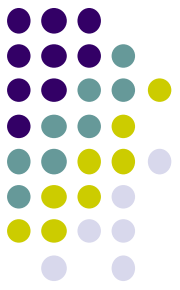
- Assist DOE to:
 - Develop complex-wide HPI training and provide input to revise the DOE HPI Handbook (2.5)
 - Convert Enforcement Coordination classroom training to Computer Based Training (5.3)
 - Build consistent radiological worker training programs for complex-wide use (7.2.1)
 - Develop an Electrical Safety Training Model (7.12.1)
- Develop a “Safety Culture Practitioner’s Guide” (2.16)
- Provide a primer to new Nuclear Safety Personnel (3.5)
- Develop Laser Worker CBT (7.19)

SWG AWP Highlights – Documents



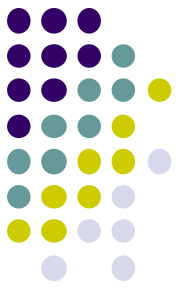
- DOE-STD-1027, Nuclear Facility Hazard Categorization and Accident Analysis Techniques (3.1)
- DOE-STD-1158, Self Assessment Standard for DOE Contractor Criticality Safety Programs (3.1)
- DOE-STD-1169, Nuclear Air Cleaning Handbook (3.1)
- DOE-STD-5506, Preparation of Safety Basis Documents for Transuranic (TRU) Waste Facilities (3.1)
- DOE O 5480.30, Reactor Design Guide (3.7)
- 10CFR 835/DOE O 458.1 Radiation Protection Counting Techniques (7.7.1)
- DOE-STD-1107-97 (7.6)
- 10CFR 830, Nuclear Safety Management (3.7)

SWG AWP Highlights – Documents (continued)



- DOE HDBK 1163, Integration of Multiple Hazard Analysis Requirements and Activities (3.1)
- DOE-HDBK-1139, Chemical Management Volume 1 (7.26)
- Work Management Handbook (HDBK-1211-2014) (2.20)
- EFCOG Commercial Grade Dedication Handbook, examples, best practices, and training (4.9.1, 4.10.1)
- Guidance document on safety software firmware (4.5)
- Best Practice for Conduct of an Enforcement related Effectiveness Review (5.1.1)
- Provide feedback regarding Enforcement Guidance Supplements to the Office of Enforcement (5.1.2)

SWG AWP Highlights – Other



- DOE Complex-Wide Review of NFPA Codes and Standards (7.X – various)
- Radiological counting statistics (7.7)
- High power lasers (7.18)
- Laser safety (7.17)
- Issue technical guidance for application and implementation of ACGIH thermal stress TLV (7.22)
- Develop a consistent medical evaluation for the OSHA crystalline silica standards (7.29)
- Welding – Flow down of requirements to subcontractors (1.1.1)

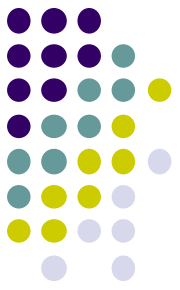
SWG Challenges



- Sun setting task groups
- Increased working group strategic focus
- Need for EFCOG Board to follow up with DOE on regulatory reform recommendations
- Ensuring adequate complex wide involvement (OS, NNSA, EM, AU, Contractors, Sites)
- Building awareness of EFCOG groups and activities
- Competing forums
- National Consensus Codes and Standards DOE complex representation

Backup Slides

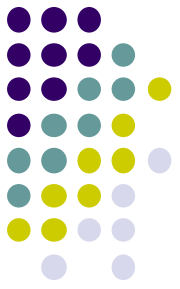




Potential Strategic Initiatives

- ISMS revitalization
 - Work with DOE to establish actions to raise visibility and share lessons learned
- Employee engagement
 - Work with DOE to define approach to increase employee engagement activities
- Safety culture update
 - Work with DOE to align current and competing initiatives into a simplified and consensus DOE standard

Potential Strategic Initiatives



- CAS Effectiveness next steps
 - Look at next steps to improve CAS effectiveness, building on the plan of 2 years ago
- Work Planning and Control next steps
 - Revisit previous efforts to enhance the WP&C process and determine next steps to improve
- Regulatory reform
 - Revisit 2018 EFCOG SWG recommendations with DOE and identify next steps of DOE and EFCOG involvement

Regulatory Reform Recommendations



Recommendation	< 10M	10-100M	>100M	Easy	Med	Hard	Action to date
Freeze Codes/Standards/Orders		X		X			LANL
Tailored Application of Requirements			X	X			None
Reduce Submittals to DOE		X		X			None
Reduce Hardcopy Records		X		X			None
Requirements Clarification		X			X		None



Task: SC-17-03 – DOE EM Single Approved Supplier List



Project Manager: John McDonald

- This new task was discussed at the EFCOG Spring 2017 and Fall 2017 meeting.
- 3/15/19 the 8 NNSA sites will be signing a G&C Guidance and Clarification document to agree to use the MASL. That covers the NNSA sites, but still questions on 17 EM, 4 OOS, and 1 NE site(s)?





Task: SC-14-03 – CGD Handbook



Project Manager: Damon Haley, Spencer Daw, Dennis Weaver, Duli Agarwal, & Christian Palay

- Action: Provide a DOE / NNSA Commercial Grade Dedication Handbook with examples that clarify the programmatic controls for consistent application of NQA-1 2008/2009a requirements.
- 3/13/19 CLOSED as DOE has the CGD Handbook in RevCom.



Task: SC-14-02 – CGD Handbook Training



Project Manager: John Hendricks

Team: CGD Writing Team

- Action: Evaluate / modify existing Commercial Grade Dedication training in conjunction with the new DOE CGD Handbook to provide consistent application of NQA-1 2008/2009a requirements.
- Pilot training held at EFCOG ISM & QA Working Group meetings at ORNL 5/7 – 9/19



DOE HDBK 1163



- The objective of the revised Handbook is unchanged: to provide DOE and contractor safety personnel with a resource to support the planning, technical review, or conduct of hazard analysis activities. The Handbook is intended to promote cross-disciplinary discussion and collaboration among various technical disciplines, and to share good practices and lessons learned throughout the DOE complex.