

**Joint Energy Facility Contractors Group (EFCOG)/
Department of Energy (DOE) Chemical Safety and
Lifecycle Management Workshop
March 10–12, 2009**

***Chemical Safety and Lifecycle Management Workshop
--Lean and Green--
AND
EFCOG ESH Group Spring Meeting***

Sponsored by
DOE Chemical Safety Topical Committee (CSTC)
EFCOG Environment, Safety and Health's Chemical Safety and Life Cycle Management
Subgroup
DOE Office of Health, Safety and Security

Workshop Location
DOE Forrestal Auditorium (GE-086)
1000 Independence Avenue, SW, Washington, DC 20585
and
Audio and videolinked to various locations throughout the DOE Complex
[LISTEN ONLY CALL-IN NUMBER for all 3 days is: 202-287-1373]
REMINDER -- Please bring your DOE badge or obtain a visitor's badge upon arrival

Hotels

One Washington Circle
www.thecirclehotel.com
One Washington Circle, NW
Phone: 800-424-9671
Room Block: EFCOG Chemical Safety
Dates 3/9-3/11; Rate = per diem
15 rooms; cutoff date for rate: 1/25/09

L'Enfant Plaza Hotel
480 L'Enfant Plaza, SW
Washington, DC 20024
[Reservations: 1-800-635-5065 or 202-484-1000]
Rooms at per diem, if available

Joint EFCOG/DOE Chemical Management 2009 Workshop

The River Inn
www.theriverinn.com
924 25th Street, NW
Phone: 888-874-0100
Booking ID: 149055
Dates 3/9-3/11; Rate = per diem;
upgrade is \$50 additional
15 rooms; cutoff date for rate: 2/8/09

The Holiday Inn
550 C Street, SW
Washington, DC 20024
Reservations: 1-877-863-4780
Rooms at per diem, if available

Day 1 -- Tuesday, March 10, 2009
FORRESTAL MAIN AUDITORIUM (GE-086)

Chemical Safety and Lifecycle Management
--Lean and Green--

8:00 – 11:30	Registration/Name Tags	
9:00 – 10:00	Training: Life Cycle Management Gap Analysis: Experiences at Savannah River Site (SRS) and Lawrence Livermore National Laboratory (LLNL) (Repeated at 4 p.m. today for West Coast audience)	<i>Steve Harris</i> <i>Fred Simmons</i> <i>LLNL/Savannah River Nuclear Solutions (SRNS)</i>
10:00 – 10:10	BREAK	
10:10 – 10:15	Welcoming Comments and Safety Brief	<i>James Morgan, SRNS/EFCOG/ESH/CSLM Subgroup Co-Chair</i> <i>Steve Harris, LLNL/EFCOG/ESH/CSLM Subgroup Co-Chair</i> <i>Daniel Marsick, HQ DOE/HS-11, CSTC DOE Co-Chair</i> <i>Bill McArthur, Director, Office of Worker Safety and Health Policy</i>
10:15 – 10:30	DOE Corporate Welcome -- “DOE’s Perspective on Chemical Safety”	<i>Glenn Podonsky, Chief Health, Safety and Security Officer</i>
10:30 – 10:45	EFCOG Corporate Welcome - “Looking at the Whole Picture: Chemical Life-Cycle Management”	<i>Anthony Umek</i> <i>SRNS</i> <i>EFCOG ESH Working Group Chair</i>
10:45 – 11:15	Chemical Safety Leadership and Leading Indicators	<i>Peter Winokur</i> <i>Defense Nuclear Facilities Safety Board</i>
11:15 – 12:00	Chemical Safety Board Presentation	<i>John Bresland</i> <i>Chemical Safety Board</i>
12:00 – 1:00	LUNCH	
1:00 – 2:00	Green Chemistry Panel – an overview and other perspectives	<i>Richard Engler</i> <i>U.S. EPA</i> <i>Bob Peoples</i> <i>ACS Green Chemistry Institute</i>
2:00 – 3:00	Green Chemical Management at DOE	<i>Denny Hjereson</i> <i>Los Alamos National Laboratory</i> <i>Laurie True</i> <i>Pacific Northwest National Laboratory</i> <i>Mark Brynildson</i> <i>Sandia National Laboratory</i>
3:00 - 3:15	BREAK	
3:15 – 4:00	Panel Discussion of Green Chemical Management Techniques	<i>Above Panelists</i>
4:00 – 5:00	Closing Remarks and Highlights/Preview of Day 2 Video replay of training until 5 p.m.	<i>Dan Marsick/Jim Morgan</i>

Day 2 -- Wednesday, March 11, 2009
FORRESTAL MAIN AUDITORIUM (GE-086)

Chemical Safety and Lifecycle Management – Lean and Green

8:00 – 10:30	Registration/Name Tags	
9:00 – 10:00	Training: Gas Calculations (Repeated at 4 p.m. today for West Coast audience)	<i>David Quigley</i> <i>B&W Technical Services Y-12</i>
10:00 – 10:05	Welcome to Day 2	<i>Dan Marsick</i> <i>Steve Harris</i> <i>HQ DOE-HS11/LLNL</i>
10:05 – 11:00	Life Cycle Management at Battelle Sites	<i>Frances Drake</i> <i>Kim Jeskie</i> <i>Oak Ridge National Laboratory</i>
11:00 – 11:45	Managing Nanotechnology ES&H at DOE	<i>John Peters</i> <i>Deborah Bauer</i> <i>Steve Hoey</i> <i>Brookhaven National Laboratory</i>
11:45 – 1:00	LUNCH	
1:00 – 1:20	DOE Nanotechnology Notice	<i>Bill McArthur</i> <i>HQ DOE/HSS</i>
1:20 – 2:00	Potential Globally Harmonized System (GHS) Effects	<i>Maureen O'Donnell</i> <i>Maureen Ruskin</i> <i>Occupational Safety and Health Administration</i>
2:00 – 2:20	10 CFR 851 – Enforcement Experiences	<i>Kathy McCarty</i> <i>HQ DOE/HSS</i>
2:20 - 2:40	Green Chemical Management and DOE O 450.1A--Where We Are...Where We Want to Be	<i>Jane Powers</i> <i>HQ DOE/HSS</i>
2:40 – 2:55	BREAK	
2:55 – 3:25	Reproductive Toxins	<i>Dave Quigley</i> <i>B&W Technical Services Y-12</i>
3:25 – 4:00	2009 Project Brainstorm	<i>Dan Marsick/Steve Harris</i>
4:00 – 5:00	Closing Remarks and Highlights/Preview of Day 3 Video replay of Gas Calculations Training	<i>Dan Marsick/Steve Harris</i>

Day 3 -- Thursday, March 12, 2009
FORRESTAL MAIN AUDITORIUM (GE-086)

**Chemical Safety and Lifecycle Management
--Lean and Green--**

*Industrial Hygiene/Occupational Safety Special Interest Group (IH/OS SIG)
Deborah McFalls/Bill Frede, organizers*

8:00 – 8:10	Welcome and Opening Remarks	<i>Bill Frede IH/OS SIG Chair Honeywell FM&T</i>
8:10 – 8:30	IH/OS SIG Online Safety Resources	<i>Deborah McFalls IH/OS SIG Coordinator Oak Ridge Associated Universities (ORAU)</i>
8:30 – 9:30	Life Factors and the Aging Workforce	<i>Michael Ardaiz HQ DOE/HS-10</i>
9:30 – 10:00	Fire Protection: Compliance Challenge to Following the NFPA Standards	<i>Jim Bisker HQ DOE/HS-21</i>
10:00-10:20	BREAK	
10:20 – 10:50	Office of Oversight Report on Exposure Assessment	<i>Marvin Mielke HQ DOE/HS-64</i>
10:50-11:10	Exposure Assessments	<i>Paul Wambach HQ DOE/HS-11</i>
11:10-11:25	10 CFR 850 Amendments Initiative	<i>David Weitzman HQ DOE/HS-11</i>
11:25 – 11:55	Overview of Respiratory Protection Standards	<i>Michael Schmoltdt CH2M Hill/Hanford</i>
11:55-12:15	Closing Remarks and IH/OS SIG Business	<i>Bill Frede/Dan Marsick Honeywell FM&T/HQ DOE/HSS</i>

EFCOG ESH Workgroup Meeting

Monday 1:00-5:30 p.m.
Forrestal Room GH-019

- 1:00** Welcome, Safety Topic – *Tony Umek*
- 1:15** Value Creation Topic – *Mike Madison*
- 1:45** Review Working Group Planned Activities – *Cynthia Williams*
- 2:15** Interfaces with Other Working Groups – *Pat Padezanin*
- 2:30** Awards and Recognition – *Pat Padezanin*
- 3:00 – 4:30** Working Group Summaries (10 minutes each)
1. Chemical Safety & Life Cycle
 2. Leadership Task IH/Is Subgroup – *Jim Morgan & Richard Debusk*
 3. Environmental
 4. Industrial Hygiene/Industrial Safety
 5. Radiation Protection
 6. Occupational Medicine
 7. Nanotechnology (New Initiative)
 8. Electrical Safety (via conference call)
- 4:30 – 5:00** Open Discussion, Summary and Actions – *Mike Madison and Cynthia Williams*

Conference Line for Monday Afternoon (10 lines): 301-202-287-1367

Chemical Safety and Lifecycle Management Subgroup

**Thursday March 12
Forrestal Room GJ-015**

Morning

Group tour this day of the EMS Activities at the [Bureau of Engraving and Printing](#) 9 a.m.- Noon.
Meet at the DOE Forrestal Lobby at 8:30 a.m.

Afternoon

1:00 - 1:15	Introduction & Welcome	<i>Jim Morgan</i>
1:15 – 2:00	Recap of the Workshop	<i>Steve Harris & Dan Marsick</i>
2:00 – 3:00	Current Project Reviews and Project Selection	<i>Jim Morgan</i>
	- Inventory Accuracy White Paper Project	<i>Leslie Soderquist</i>
	- Technical Publications Project	<i>Helena Whyte & Dave Quigley</i>
	- Chemical Hazard Database Project	<i>Dave Freshwater & Fred Simmons</i>
3:00 - 3:15	Break	
3:15 – 4:15	DOE Chemical Management Handbook Volume 2 Review & Discussion	<i>Jim Morgan & Fred Simmons</i>
4:15 - 4:30	Close	<i>Jim Morgan</i>

Conference Line for Thursday afternoon (5 lines): 202-287-1335

****Dinner on Wednesday, March 11, 2009. Meet at 6 p.m. in lobby of River Inn****

**Radiation Protection Subgroup
Day 1
Tuesday, March 10, 2009
Forrestal Room GH-027**

<u>Time</u>	<u>Topic</u>	<u>Speaker/Lead</u>
8:30 – 11:30	Registration/Name Tags	
9:00 – 9:15	Welcome, Introductions, Agenda Review	<i>Jim Stafford (SRNS)</i>
9:15 – 9:35	Plutonium – 241 Task Team Recommendation Status	<i>All</i>
9:35 – 10:00	Neutron Quality Factor Task Team Update	<i>Ken Crase (SRNS)</i>
10:00 – 10:10	Break	
10:10 – 11:15	Main Auditorium General Session	
11:15 – 12:00	RP Subgroup Benchmarking Results	<i>All</i>
12:00 – 1:15	Lunch	
1:15 – 2:15	Radiological Worker Training	<i>Rahul Mehta Enhancements (Heartwood Studios)</i>
2:15 – 3:00	Pipeline Training Update	<i>Jim Stafford (SRNS)</i>
3:00 – 3:15	Break	
3:15 – 4:00	Junior RCT Training	<i>Bob Miltenberger (SNL)</i>
4:00 – 4:30	Hard to Detect Radionuclide Discussion	<i>All</i>
4:30 – 5:00	Closing Remarks, Highlights	<i>All</i>

**Radiation Protection Subgroup
Day 2**

**Wednesday, March 11, 2009
Forrestal Room GH-027**

<u>Time</u>	<u>Topic</u>	<u>Speaker/Lead</u>
9:00 – 9:30	Contract Transition Rad Protection Lessons Learned	<i>All</i>
9:30 – 10:00	DOE Source Control Update	<i>Ted Glitz (Hanford)</i>
10:00 – 10:15	Break	
10:15 – 11:00	Amended 10 C.F.R. 835 Implementation	<i>All</i>
11:00 – 11:45	Nanotechnology ESH at DOE	<i>Main Auditorium</i>
11:45 – 1:00	Lunch	
1:00 – 2:00	EFCOG Rad Protection Subgroup Organization Issues (Officers, Updated Rosters, etc.)	<i>Jim Stafford (SRNS)</i>
2:00 - 2:30	DOELAP Neutron Dose Method Changes	<i>Steve Zobel (DOELAP Admin)</i>
2:30 – 2:45	Break	
2:45 – 3:30	Other Regulatory Issues – ORPS Revision, DOE Order 5400.5, Radcon Standard, Revised RP Standards	<i>All</i>
3:30 – 5:00	Open Discussion, Closing	<i>All</i>

**Industrial Hygiene/Occupational Safety Subgroup
Day 1
Tuesday, March 10, 2009
Forrestal Room GH-019 and GH-035 (as indicated)**

Morning – (see main program)

Afternoon

1:00 – 2:00 Room GH-019	Discussion and Instructions on “Path Forward Workshops” <ul style="list-style-type: none">• What are the critical Industrial Hygiene (IH) and Occupational Safety (OS) issues that require urgent attention and could benefit from a collaborative “EFCOG” solution?• Which of these issues would the groups like to address in 2009?• Can we accomplish these goals as one subgroup or should we split into two subgroups?	<i>Richard DeBusk and Mike Madison EFCOG ESH Leadership Team</i>
2:00 – 4:00 Room GH-019	Industrial Hygiene “Path Forward Workshop”	<i>Bob Keen and Mike Madison Dave Weitzman – DOE-HQ</i>
2:00 – 4:00 Room GH-035	Occupational Safety “Path Forward Workshop”	<i>Mark Haskew and Richard DeBusk Joe Hopkins – DOE-HQ</i>
4:00 – 4:30 Room GH-019	Path Forward Workshop Report-Out	<i>Richard DeBusk and Mike Madison</i>

**Industrial Hygiene Subgroup
Day 2**

**Wednesday, March 11, 2009
Forrestal Room GH-019**

8:00 – 9:45	Conclusion of “Path Forward Workshop”	<i>Bob Keen and Mike Madison</i>
9:45 – 10:00	Break	
10:00 – 10:30	Laser Safety (new Laser Safety Task Group)	<i>Ken Barat Chair, Laser Safety Task Group</i>
10:30 – 11:00	Response Line	<i>Gerald Meyers, DOE HQ/HSS</i>
11:00 – 12:00	IH Exposure Assessment EFCOG White Paper	<i>Tim Roberts, LBNL</i>
12:00 – 1:00	Lunch	
1:00 – 1:50	Respiratory Protection	<i>Michael Schmoldt, CH2M HILL Hanford</i>
2:00 – 2:40 Rm GE-086	10 C.F.R. 851 Enforcement Experience	<i>Kathy McCarthy, DOE-HQ/HSS</i>
2:50 – 3:35	2009 Project Brainstorm	<i>Bob Keen and Mark Haskew</i>
3:45 – 4:30	Wrapup with Occupational Safety in GH-019	<i>Richard DeBusk and Mike Madison</i>

**Occupational Safety Subgroup
Day 2**

**Wednesday, March 11, 2009
Forrestal Room GH-035**

8:00 – 9:45	Conclusion of “Path Forward Workshop”	<i>Mark Haskew and Richard DeBusk</i>
9:45 – 10:00	Break	
9:00 – 11:00	Construction Safety Panel Discussion <ul style="list-style-type: none">• Current issues in DOE construction safety• OSHA observations on construction safety	<i>Jean Myers of LBNL and Noah Connell from OSHA</i>
11:00 –12:00	Expert Advice - How to conduct a safety inspection for scaffolding	<i>Scott Snider Laborers’ International Union of North America</i>
12:00– 1:00	Lunch	
1:00 – 1:50	Respiratory Protection in GH-019	<i>Michael Schmoldt, CH2M HILL Hanford</i>
2:00 – 2:40 Rm GE-086	10 C.F.R. 851 Enforcement Experience	<i>Kathy McCarty, DOE-HQ/HSS</i>
2:50 – 3:35	How do DOE contractors address fall protection issues that OSHA has identified as “industry-wide problems”?	<i>Kevin Smith, Savannah River</i>
3:45 – 4:30	Wrapup with Industrial Hygienists in GH-019	<i>Richard DeBusk and Mike Madison</i>

**Nanotechnology Task Force
Day 1**

**Tuesday, March 10, 2009
Forrestal Room 8E090**

<u>Time</u>	<u>Topic</u>	<u>Speaker/Lead</u>
1:00	Welcome/Overview of Nanomaterial Safety Initiative Task Group	<i>Mike Swain, SRNL</i>
1:30	Overview of Nanomaterial Safety Guidance (NSRC/Environmental/DOE N 456.1)	<i>John Peters, BNL</i>
2:15	DOE HSS Perspectives on DOE N 456.1 and Management of Nanomaterials	<i>Bill McArthur, DOE/HS-11</i>
2:40	Break	
2:55	Perspectives on Exposure Assessment and Monitoring for Nanomaterials	<i>Paul Wambach, DOE/HS-11</i>
3:35	Perspectives on Engineering Controls for Nanomaterials	<i>Dina Matz-Siegel, LANL</i>
4:05	Control Banding Approach to Nanomaterials & Discussion of NIOSH Involvement in Nanomaterial Safety	<i>Sherolyn Bishop, SRNL</i>
5:00	Close for Day	

**Nanotechnology Task Force
Day 2**

**Wednesday, March 11, 2009
Forrestal Room 5A-092**

Morning

<u>Time</u>	<u>Topic</u>	<u>Speaker/Lead</u>
8:30	Facilitated Discussion on EFCOG Task Group Role in Nanomaterial Safety Improvement	<i>Mike Swain, SRNL</i>
9:00	Facilitated Discussion on Task Group Governance Group and Approach	
9:30	Project Brainstorm, Project Definition, & The Next Steps; Nanotechnology Electronic Resources	<i>Mike Swain</i>
10:45	Close Task Group Session/Dismiss to Workshop	