

Environment, Safety, and Health Working Group Fall 2008 Meeting, Las Vegas, NV Opening Session Agenda

Tuesday, October 7, 2008		
Time	Topic	Speaker
08:15 – 08:30	Welcome, Introductions & Safety	Antony Umek, SRNS
08:30 – 09:30	Keynote Address - 10 CFR 851 Enforcement Lessons Learned	Kathy McCarty, DOE HS Director, Office of Worker Safety and Health Enforcement HS-40
09:30 – 09:40	Nanotech Task Team Introduction/Discussion	Mike Madison, Energy <i>Solutions</i>
09:40 – 09:50	Housekeeping/Announcements	Pat Padezanin/ Richard Debusk

Day 1 - 10/7/2008 General Session Summary

Tony Umek from SRNS welcomed participants to the semi-annual meeting and introduced Kathy McCarty, Director for the DOE/HS-40 Office of Worker Safety and Health Enforcement, who presented lessons learned from recent 10 CFR 851 enforcement efforts. In particular, Kathy emphasized the importance of flowing down health and safety requirements to employees and sub-contractors, and desire on the part of HS-40 to encourage real-time correction of deficiencies without creating an unwieldy and bureaucratic process. She requested input from the group regarding an appropriate definition of "Vendors." From her talk, it appears that NFPA requirements will be more visible considerations in their oversight and enforcement role.

Chemical Safety and Lifecycle Management (CSLM) Subgroup Fall Meeting Summary

October 7 - 9, 2008

Participants:

Bob Beauchamp, KCP	John Peters, BNL
Mark Brynildson, SNL/CA	Jane Powers, DOE HQ
Dave Freshwater, DOE HQ	Regina Price, DOE SRS
Judy Fulton, SLAC	Derek Skene, AlphaTRAC
Tori George, LANL	Leslie Soderquist, CH2-WG INL site
Thomas Gran, NSTEC NTS	Bill Von Holle, DFNSB
Steve Harris, LLNL	Tammy Wallace, NSTEC NTS
Jeffrey Hieb, Fluor Hanford	Jim Woodring, ANL
Dan Marsick, DOE HQ	Helena Whyte, LANL
Jim Morgan, SRNS	

Day 1 - 10/7/2008

1. Welcome, Elections, Safety Moment - Jim Morgan - SRNS

Jim Morgan welcomed the group and briefly reviewed the changes in the leadership of the CSLM Subgroup. He announced that Kathy Ertell, PNNL, has taken another position at PNNL and would not be participating in the CSLM Subgroup. He thanked her for her service and announced that he would be willing to stay on a Subgroup Chair if Steve Harris would move to the Vice Chair position. Steve accepted the nomination. He then asked for a nomination for Secretary. Steve Harris nominated Mark Brynildson and all three were approved by voice vote.

Jim Morgan then discussed two safety topics: Propane issue from the Chemical Safety Board and a two –part epoxy patch incident at SRS where a small was patched with too much epoxy (multiple gallons) that upon curing generated excessive heat and a small volcano of epoxy and gas erupted shutting down a facility. Poor planning where volume issues were not understood with a new product contributed to the incident.

Jim Woodring, ANL, also mentioned an close call incident at ANL where propane used by a construction contractor was mishandled resulting in a leak of a propane line on a winter heater.

A delightful CSLM Subgroup dinner party was also organized for Don Vito's (SouthPoint Hotel) that was attended by 20 members and guests.

2. Chemical Inventory Accuracy White Paper Team - Leslie Soderquist, INL site

Leslie Soderquist presented the goals behind a Chemical Inventory Accuracy White Paper. She reviewed the origin of the effort and the need for better definition of chemical inventory accuracy expectations in the DOE. The measure of accuracy is basically the degree of agreement between the inventory database location record and the observation of inventory in the chemical storage locations in a facility. Leslie described her recent accuracy evaluation in the Summer of 2008 at INL. Some locations were as low as 70% and as high as 97% but most were below expectations. Inventory accuracy is a real challenge if business tools and processes are not well developed. Also critical is the Line actively supporting the maintenance of the inventory data as they move items between chemical storage locations. Accuracy expectations are also not well defined in regulations but every measured number has an implied accuracy than needs to meet or exceed well defined expectation. That is our challenge, to determine accuracy expectations and develop processes and tools to monitor accuracy. More work is required but the Chemical Inventory Accuracy White Paper team is making good progress.

3. Technical Publication Presentation, Progress & Discussion - Helena Whyte, LANL

The group was presented the twelve published Chemical Safety themed papers by Helena Whyte and co-authors. This team has been very productive with their publications and has been very successful in advancing Chemical Safety through their work. The CSLM Subgroup will miss Helena Whyte and her wonderful contributions to our group as she retired this year from LANL and will curtail her activities in the CSLM Subgroup. See the presentation by Helena Whyte to be posted on the EFCOG CSLM meeting website for more details.

4. Green Chemical Management – Mark Brynildson, SNL/CA

The group was presented the twelve principles of the EPA Green Chemistry and participated in a general discussion to list how our sites support Green Chemistry through “Green Chemical Management”. See the presentation by Mark Brynildson to be posted on the EFCOG CSLM meeting website for more details.

5. DOE Order 450.1A Discussion and Lead Acid Batteries Tracking for EPCRA 312 Reporting - Jane Powers, DOE-HQ

The group was presented an overview of DOE Order 450.1A and the issues related to Lead Acid Battery tracking and reporting under EPCRA 312. Two clear messages were: use of the EMS at each site can provide significant leverage with existing programs to support Green Chemical Management and Sustainable

Practices “enhance what we are doing”. See the presentations by Jane Powers to be posted on the EFCOG CSLM meeting website for more details.

6. Spring 2009 CSTC/EFCOG Annual Meeting and Semi-Annual Spring EFCOG Meeting – Dan Marsick, DOE-HQ

Planning for the Spring 2009 CSTC/CSLM Annual meeting and Semi-Annual Spring EFCOG has begun and the agenda are nearly complete. Dan Marsick reviewed the draft agenda was presented and some changes were proposed as a result of the discussion. Green Chemical Management and Nanomaterial Management might be added to the agenda. An update agenda will be circulated soon. The primary days are 3/9/2009 & 3/10/2009 for the CSTC meeting. The meeting will be video conferenced for those who can not travel. The CSLM meeting is 3/11/2009. There is some concern that the Federal Budget issues will negatively impact on the members’ ability to travel to the meeting.

7. Hot Topics/General Discussion – Jim Morgan, SRNS

It has been suggested that the Industrial Hygiene Subgroup merge with the CSLM Subgroup to help revitalize the Industrial Hygiene Subgroup. Should they merge? Some discussion followed but most members were not in favor of the idea due to the possible loss of focus for CSLM.

Should the Nanotechnology Task Group be organized under the Industrial Hygiene Subgroup or the CSLM Subgroup? Some discussion followed but most members were not sure what type of support this group needs.

8. Subcontracting Chemical Management, Pros/Cons, SOW – Steve Harris, LLNL

Steve Harris discussed the wide variety of issues related to subcontracting chemical management using the following outline:

- Purpose/Drivers/Objectives: Does Lab management understand current CMS? Is cost cutting and outsourcing a goal? Do DOE Procurement goal drive the process?
- Scope: What elements of a CSLM program should be included in the Statement of Work?
 - Application
 - Labor
- Questions/Assumptions: Is there a comprehensive Make/Buy decision process available?

- Identifying Potential Impacts: What changes required as a result of the subcontracting chemical management?

Leslie Soderquist described some of the challenges at INL. While Waste Management was done well at INL Chemical Management was not done well. It was moved from the Property Management organization to the same organization doing Waste Management. A commercial application was licensed and a Mentor/Protégé style contract was used. This contract was somewhat unsuccessful and ultimately changed to a Staff Augmentation contract for program labor. Several critical issues include proper contracting, selecting the application that at least fits like a mitt. Only site developed application will fit like a glove to business processes. Data migration is critical to prevent the loss of information and chemical management personnel's relationship with Lab personnel is critical to Lab personnel buy-in and overall success. The sites that have the most potential for successful outsourcing are the sites with the worst current CMS programs, i.e., old application, poor business integration and under resourced.

Day 2 - 10/8/2008

1. Welcome & General Discussion - Jim Morgan - SRNS

Benchmarking Survey discussion

2. Discussion on Chemical Hazard Database Strategy – Dave Freshwater, DOE-HQ

Dave Freshwater presented the “EICID – Electronic Chemical Information Database” proposal to develop and maintain a database for key chemical/product attributes. The group participated in a general discussion to evaluate the proposal. See the presentation by Dave Freshwater to be posted on the EFCOG CSLM meeting website for more details.

3. Best Practices Discussion – Leslie Soderquist, Idaho

The group participated in a general discussion to list “Best Practices” in the six step CSLM cycle. See the presentation by Leslie Soderquist to be posted on the EFCOG CSLM meeting website for more details.

4. Hot Topics/General Discussion – Jim Morgan, SRNS

Emerging topics:

1) Multi-contractor integration and the use of service level agreements are critical (LLNL/SNL/CA, Hanford, INL, SRS). The Center for Chemical Process Safety (CCPS) has information that can be valuable in handling these issues.

2) Tracking non-traditional chemicals (biomaterials, radioactive sources, explosives, small and large tanks, lead, precious metals, batteries, waste

accumulated, HV/AC freons, fire suppression (halons), transformer oil, elevator hydraulic oil, etc.)

3) Classified chemical inventory tracking

5. Project Breakouts (Inventory Accuracy & Chemical Hazard Database)

CSLM members rotated through the two groups to provide input on each project

Day 3 - 10/9/2008

1. Welcome & General Discussion - Jim Morgan - SRNS

2. Review of the NTS Chemical Management Program – Thomas Gran, NSTEC

NTS does not have a unified program. It relies on a Requisition Compliance Review Process that requires an MSDS to be review prior to purchase. Facility inspections are key now that NSTEC oversees nearly all the NTS facilities. Since no comprehensive site inventory exists, semi-manual rollups from the many differently facilities are required for reporting. NSTEC has looked at the DoD system featured at the 2008 Spring CSTC/CSLM meeting in Washington, DC. However, implementation of a new process and application is prevented due to insufficient agreement and pooled resources from infrastructure stakeholders at NTS.

See the presentation by Thomas Gran to be posted on the EFCOG CSLM meeting website for more details.