

Stanley Hall Safety Committee Agenda

11:00 am -12:00 noon, Wednesday, March 11, 2009

Room 177 Stanley Hall

[Safety Committee and DSC Comments in Green]

1. Campus Earthquake Safety: Office of Emergency Preparedness *Stephen Stoll 30 min.*
 - OEP Manager Stephen Stoll described Campus disaster response structure
 - In earthquake/disaster, it is very important to notify the Building Coordinator (Thom Opal, or alternate) of any situation that requires re-entry into Stanley Hall. This includes 1) person to rescue, or 2) experiment or apparatus that must be shut down, to prevent fire, chemical release, or other additional damage.
 - Building Coordinator communicates with Emergency Management Area (EMA) Coordinator, who reports to Campus Incident Commander (UCPD Officer), within the Emergency Operations Center (EOC). EOC communicates with Chancellor's Advisory Committee, and Department Operations Centers (DOCs), then back to EMA via Incident Commander.
 - Campus earthquake/disaster preparedness exercise to take place on June 18, 2009
 - Thom Opal handed out USGS pamphlet, Putting Down Roots in Earthquake Country (available at <http://pubs.usgs.gov/gip/2005/15/>). All attendees, and their co-workers are strongly urged to take tangible steps towards preparation (identify out-of-town contacts, discuss plans with family/friends, identify duck/cover locations, purchase emergency supplies, secure flashlight and shoes to bed frame for immediate readiness, etc.).
2. UCLA pyrophoric chemical burn fatality *Thom Opal 10 min.*
 - Pyrophoric t-butyl lithium – causes serious burns on contact
 - Special-hazard chemicals – check MSDS for handling (www.ucmsds.com)
 - PPE: researcher had single-layer nitrile gloves, no lab coat, safety glasses instead of side-shielded goggles (preferred PPE: Nomex coat, or apron, nitrile under neoprene gloves, face shield)
 - Researcher was working alone in her lab, over the holidays, when she withdrew the chemical with a syringe, but the plunger came all the way out, spattering her with the butyllithium, and igniting her synthetic sweater
 - She died of complications from 3rd degree burns, over 40% of her body
 - Pyrophorics in our building: (none used); Strong *water-reactive* materials exist, such as hydrides (sodium borohydride, silanes) and metals (sodium, calcium, potassium, antimony, zinc, rubidium, aluminum chloride)
 - Contact DSC for SOP for handling pyrophoric or water-reactive chemicals

- New employees, or employees unfamiliar with a new procedure, must be under close supervision
 - Other Lessons Learned, see: <http://ehs.berkeley.edu/lessonslearned.html>
3. CA Dept. of Public Health Inspection - Medical Waste *Thom Opal 5 min.*
 - Don't overfill sharps containers
 - Remove red-bag waste to Medical Waste room weekly
 - Transport bagged/closed medical waste in marked secondary container (one glove only)
 - Secondary container must be marked with biohazard symbol on top, and all four sides. Container must be rigid and leak-proof (never use cardboard)
 4. Safety Coordinator Announcements *Thom Opal 5 min.*
 - Fire extinguisher training – March 25, Greek Theater. All Safety Committee Members invited
 - House Vacuum System: No Liquids – Ever Volatile solvents: use a stand-alone vacuum pump that vents to fume hood, or use an ice bath to reduce vapor; liquid media aspirators: 2"-3" lower than sidearm (whatever it takes to prohibit liquid from entering the system)
 - Fume Hood Safety: new EH&S video/Fact Sheet Short video is less than 3 minutes, and is worthwhile.
 - Laboratory Ergonomics: VistaLab Ovation, Eppendorf EpMotion Robotics Possible options for hand-pipetting.
 - Recycle pipette tip boxes (#5 plastic/polypropylene) between loading dock and storeroom. Please don't leave boxes inside hallway, or blocking inside door. There is a new Campus vendor, now we need to recycle all we can. A question arose of whether food containers are okay (cottage cheese, yogurt, etc.); Refuse and Recycling says that, if thoroughly rinsed, then it is fine.
 - California Green Chemistry Initiative
<http://www.dtsc.ca.gov/PollutionPrevention/GreenChemistryResources/index.cfm> [to be covered next meeting; ran out of time]
 5. Incidents, Concerns, and Corrective Measures *All Attendees; 5 min.*
 6. Agenda Items for Next Meeting (11-12 Wednesday, 6/10/09, room 177) *All Attendees; 5 min.*

Handouts:

- *Putting Down Roots in Earthquake Country* (USGS Pamphlet)
- *Chemical Spill Procedures* poster
- *Fume Hood Safety* Fact Sheet