

Stanley Hall Safety Committee Agenda

11:00 am -12:00 noon, Wednesday, December 10, 2008

Room 177 Stanley Hall

[Safety Committee and DSC comments in green]

1. Earthquake Safety Preparedness: An Introduction *Thom Opal 10 min.*
 - Architect and Engineers have done their jobs: Building designed to Collapse Prevention standard, for a 10% chance of being exceeded in a 100 year event. Seismically-speaking, we have the safest labs on campus.
 - Hayward Fault is less than 100 yards away: 140 years ago, a 6.8-7.0 earthquake shook it strongly (for comparison, the Loma Prieta earthquake was 6.8, and lasted 15 seconds, but epicenter was 60 miles away). That was not the expected “big one” for which we’re preparing.
 - We must do our jobs: earthquake preparedness entails making a detailed plan, taking tangible steps (earthquake kit with food, water, first aid, etc.; seismic bracing of building contents).
 - Earthquake Survival Kits (example: <http://www.QuakeKare.com>)
 - USGS Publication: *Putting Down Roots In Earthquake Country* (<http://pubs.usgs.gov/gip/2005/15/>)
 - Identify areas to avoid (chemical storage hot spots), areas that need to be braced (EH&S Q-Brace Program), Identify tables/desks that you can duck under.
 - People who have never experienced an earthquake before may have a strong emotional reaction to the shaking; advance planning can help everyone feel more confident, and optimize response to a frightening situation
 - Duck/cover/hold during earthquake, shut down experiments before calmly exiting, meet up with roll taker at EAA/Reflecting Pool
 - Avoid lingering at building entrance/exit: building facing and window glass are dangerous at that point.
 - Do not re-enter building until given official clearance (EOC/CP engineers); Department Operations Centers (DOC) activation will support Emergency Operations Center (EOC); instructions will be issued by EOC, via Emergency Management Area (EMA) contact, located on West side of Evans hall.
 - Listen to KALX radio (90.7 FM) and/or <http://emergency.berkeley.edu> for instructions
 - Identify out-of-area-contact for communications; Opt-In contact information database.
 - We may have a vendor provide First Aid – CPR classes, but participants would have to pay (~\$50/person)
 - Optional fire-extinguisher training will be arranged in near future.

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- We may have Stephen Stoll, Director of UCB's Office of Emergency Preparedness, come to our next Safety Committee meeting, to discuss Campus preparedness. Also note that there will be a Campus table-top drill in late April or early May of 2009
 - Concerns were raised over basement levels having less shaking than upper floors. Shaking will be stronger as one goes up a building, and strongest at the top. Check in with upper-level floors if there is a significantly strong earthquake.
2. Laboratory Safety Inspection Results *Thom Opal 20 min.*
- Self-Assessment Program
 - Seismic bracing (many already done; looking into Q-Brace for bench top equipment)
 - Computer Ergonomics Contact DSC/Thom for evaluation, if wanted. Ergo evaluations are not required, but are urged.
 - fume hood clutter, need for chemical
 - secondary containment, proper labeling of chemical containers,
 - "permanent" use of extension cords
 - refrigerators and freezers needed "no food" and "no flammables" stickers
 - EH&S Inspections Generally Labs did very well, with a few minor exceptions. Three main inspection points are 1)proper use of eye protection; 2) no food in labs, unless within a clearly-delineated *clean area*; and 3) biological materials safety, which brings us to...
3. BioSafety Program Follow-Up *Thom Opal 5 min.* NIH funding requires that all Campus bio-materials researchers conform to their standards. Contact BioSafety Officer (BSO), Bob Hashimoto (bobhash@berkeley.edu) with description of research, if you have not already done so. Do you need a BUA? The BSO will tell you if you do.
- Disposal: (red bags with biohazard symbol – for BUA waste; goes to our medical waste room (163): includes infectious materials/blood/recognizable body parts. White "non-medical" bags used for non-BUA materials; autoclave them, then deposit in the regular trash).
 - Report spills (any BSL, outside biosafety cabinet).
 - Toxins – control access, secondary containment, special hazard label.
4. Fire/Life Safety & Building-Wide Chemical Hazard Load *Thom Opal 5 min.*
Building-wide chemical hazard load is minimized by keeping chemical quantities reduced. The California Fire Code restricts inventory to "exempt

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quantities” of chemical hazards within “control areas” (group of labs/rooms within fire-engineered containment zones), and includes possible increases if proper fire sprinklers and/or storage cabinets are used. Some areas where we were close to thresholds are flammable gas (2nd floor; 1500 cf threshold; examples are methane, propane, hydrogen), highly toxic (5th & 6th floor; 20 lb. threshold; examples are bis-acrylamide, sodium azide, sodium fluoride, fuming nitric acid), class 3 reactive (5th floor; 10 lb. threshold: explosive with shock at elevated pressure and temperature; examples are sodium azide, ammonium perchlorate, ammonium nitrate, piperidine, hydroxylamine). I will contact Safety Officers if hazard quantities are close to threshold allowed, and will work with you to reduce the hazard potential. I will also annually re-examine the building inventory for compliance with Fire Code quantities.

5. Safety Coordinator Announcements *Thom Opal 5 min.*

- Posters: Gloves Outside of Hazardous Materials Areas Comments?
- Required Safety Training for New Employees HR: “ICE” will become the UC Learning Center on 12/15/08, and I will email a revised New Employee Safety Training guidance document; Return IIPP/BEP training acknowledgement form to me; EH&S New Lab Employee Class & rotation students (new students must have taken class when rotation is complete, at the latest)
- Fume Hood Safety Training Coming soon – watch for announcement
- Reminders: Don’t prop doors open, don’t put boxes in hallway Fire Code prohibits hallway storage, and I will remind you if I see this.
- LBNL Employee Injury Procedure Who is paying you for work performed at time of injury? If LBNL, then LBNL employee reports to LBNL Health Services (building 26). If UC Berkeley, report to Tang Center/Univ. Health Services
- Campus Fire Marshal’s Christmas Tree Safety handout

6. Incidents, Concerns, and Corrective Measures *All Attendees; 10 min.*

7. Agenda Items for Next Meeting (11-12 Wednesday, 3/11/09, room 177) *All Attendees; 5 min.*

Handouts:

- *Seven Steps to Earthquake Safety*
- *Gloves Posters*
- *Christmas Tree Fire Safety at Home*