

**Safety Review Committee
November 18, 2005
10:00 AM – 12:00 PM**

Minutes

Committee Member	Representing	Present
Ager, Joel W.	Materials Sciences Division	X
Banda, Michael J.	Computing Sciences Directorate	X
Bercovitz, John H.	Mechanical Safety Subcommittee	X
Blodgett, Paul M.	Environment, Health and Safety Division	X
Cork, Carl	Physical Biosciences Division	X
Feinberg, Benedict	Advanced Light Source Division	X
Fletcher, Kenneth A.	Facilities Department	
Garbis, Carla	Directorate/OCFO/Human Resources	X
Hugenholtz, Phil	Genomics Division	X
Kadel, Richard W.	Physics Division	X
Kennedy, Burton Mack	Earth Sciences Division	
Lucas, Donald	Environmental Energy Technologies Division	X
Macchiavelli, Augusto O.	Nuclear Science Division	X
Mueller, Robert	Electrical Safety Subcommittee	X
Rao, Linfeng	Chemical Sciences Division	
Schoenlein, Robert W.	Laser Safety Subcommittee	
Seidl, Peter A.	Accelerator & Fusion Research Division	X
Smith, Linda K.	Emergency Preparedness Safety Subcommittee	X
Taylor, Scott E.	Life Sciences Division	X
Thomas, Patricia M.	Safety Review Committee Secretary	X
Wong, Weyland	Engineering Division	

Others Present

Richard DeBusk, Carol Ingram, Eugene Lau, Phyllis Pei

CLOSED SESSION

EH&S Division MESH Response – Phyllis Pei

OPEN SESSION

Chairman’s Comments – Don Lucas

The minutes of the October meeting were accepted.

New Members

Carla Garbis will be representing the Directorate, Operations (excluding EH&S and Facilities) and Office of the CFO. Carla has been with LBNL for 8 years. She is a

Senior Operations Manager working on improving efficiency and effectiveness of operations. Carl Cork will be representing Physical Biosciences Division. He works at the ALS and in Bldg. 64. Carl's specialty is robotics.

Supervisor Training

Don Lucas recently attended the new EHS0026 ES&H for Supervisors, Managers, and PIs in Science Divisions. Don recommends that divisions have someone in their division management participate in presenting the first 20 minutes of the class. Attendees were arguing about how the accident statistics were calculated, which wasn't really an important part of the class. There were also a lot of questions and comments about reporting minor injuries and first aid cases.

MESH Status

- Life Sciences and EH&S reports and presentations are complete.
- Genomics report is complete. Presentation planned for December meeting.
- Computing Sciences and Directorate reports are being written. The teams are not getting as much support in writing the reports as they would like from John Chernowski's group. Richard DeBusk will check with Phyllis Pei to see if EH&S can provide support.

Earthquake Preparedness Plan – Valerie Lucus

Valerie is the Emergency Preparedness Manager for LBNL. She has accepted the Emergency Manager position at UC Davis and will be leaving soon. The role of emergency preparedness is to help LBNL prepare for, respond to, and recover from a major emergency, which is defined as any emergency incident that exceeds the ability of LBNL personnel to respond.

In 2001, the Federal Emergency Management Agency identified the three likeliest, most catastrophic disasters facing this country as a major hurricane and flood in New Orleans, a terrorist attack on New York City, and a massive earthquake in San Francisco. Two out of three have occurred, and we must be prepared for the third. The Association of Bay Area Governments' website has maps of bay area cities showing the potential degree of shaking expected in a major earthquake. The maps show violent shaking at LBNL during a quake on the northern Hayward fault. There is a 62% chance of a magnitude 6 or greater quake by 2032. The Lab has taken several steps to raise awareness and prepare to respond, including:

- Publications, including the employee pocket guide and a new emergency response guides being distributed through Safety Coordinators for posting throughout the site. The guide can be customized with local information.
- Training, including classes, drills, and exercises. In addition to the annual drop, cover, and hold drill on site, our emergency responders participate in joint exercises with Berkeley Alert (Alta Bates, UC, Bayer, LBNL, City of Berkeley).
- Supplies and equipment, including trauma kits, emergency boxes, MREs, and water tanks. A personal comfort kit is also recommended. There are 26

emergency boxes available. There was a request to place some extra hard hats in them.

- Emergency Operations Center in Bldg. 48. George Reyes, Phyllis Pei, and Steve Black have been trained in Emergency Operations Center management. There is also an initial assessment team that will evaluate conditions and determine the level of response required.
- Seismic status evaluations. Fred Angliss has been working with consultants to re-evaluate the status of LBNL buildings, starting with the structures of greatest concern. The findings are summarized on the Facilities website. When a building is designated poor or very poor, a meeting is held with occupants to explain where the problems are and what actions will be taken.
- Building manager radios. The radios will be used to inform people of conditions on and off site and advise them what to expect if they leave the site.
- Facilities re-occupancy group. They will determine whether it is safe to re-enter buildings.
- Fire department. The firefighters assigned to LBNL will stay on site during a regional emergency. Extra resources, if needed, will be brought in from outside the disaster area.

ES&H Self-Assessment Performance Criteria – Richard DeBusk

Richard distributed copies of the draft division self-assessment performance criteria for 2006. Anyone who wishes to comment should provide feedback to Richard within 10 days, with a copy to Don Lucas. The final draft will be sent to John Chernowski. Phyllis will present the criteria to the Lab Director and Division Directors in December.

Crane, Hoist, and Forklift Audit Results – Matt Kotowski

DOE sent out Lessons Learned from material handling incidents at other labs and asked all the site offices to report their response. Berkeley Site Office requested that an audit team from Oak Ridge come and evaluate our site. We have a lot of hoisting and rigging equipment and five types of industrial trucks (forklifts, pallet jacks, etc.) at LBNL. An LBNL task force and assessment team were assembled to evaluate our state of compliance. Cranes and hoists are required to be performed at the beginning of each shift where the equipment is going to be used. It was found that the inspection tags were sometimes missing or incomplete. (A committee member commented that some cranes have too many tags on them, which may be confusing or interfere with operation.) Training needed to be updated, including clarifying JHQ questions, providing equipment-specific training for industrial trucks, changing crane and hoist course descriptions to establish different training for small (<2 ton) and large (≥ 2 ton) devices, and updating training materials. More hands-on training will be provided. Two forklift instructors left the lab, so a consultant (Lift Safe) will be brought in to train new instructors. Cranes are sometimes brought on site by construction contractors and tree trimmers. EH&S had been reviewing the paperwork but now they are going to start inspecting the cranes as well. We have implemented DOE best practices and our high value/high consequence lift

procedures were found to be a noteworthy practice. The Office of Science has asked that ASME standards be added to our Work Smart Standards, although this will not add any requirements to our current practices.

Enhanced 911 – Linda Smith

Our 7911 emergency calls are answered by an Alameda County Fire Department emergency dispatch center in Livermore. They have had some difficulty establishing the exact location of incidents reported from LBNL. Beginning December 1st, we will have an enhanced 911 system that will automatically provide the location of the telephone where the call originates. Off-site locations other than the Joint Genome Institute will be included. Calls will be routed to the appropriate answering point. At this time, cell phones are not included in the system. Calls to 911 from cell phones go to the California Highway Patrol. Committee members requested that consideration be given to allowing cell phones to call into the system by dialing 486-7911. Cell phone companies have been told to upgrade their systems to provide location information, but the deadline for compliance has been extended several times, so cell phone callers must remember to provide their location.

The meeting was adjourned at 12:00 PM

Respectfully submitted,

Patricia M. Thomas, SRC Secretary