

AFRD ES&H Operations Committee
71J Conference Room
June 1, 2007
2:00 – 3:00 PM

Minutes

Attendees: Ken Barat, Matt Kotowski, Steve Lidia, Tom McVeigh, Hiroshi Nishimura, Peter Seidl, Donna Spencer, Pat Thomas, Csaba Toth

1. ES&H News and Lessons Learned

- June 4-8 will be Emergency Preparedness Week at LBNL. There will be different activities every day: Monday information fair, Tuesday medical helicopter demonstration, Wednesday earthquake drill, Thursday wellness fair and personal preparedness presentation, Friday earthquake preparedness presentation. See posters and Today at Berkeley Lab for further information.
- A 500 ml low-density Polyethylene (LDPE) squeeze bottle containing toluene failed, spilling toluene on a student and the lab table and floor. There was no injury. There were three previous crocked LDPE bottles containing acetone. The recommendation is to purchase polyterafluoroethylene bottles, which have excellent resistance to both acetone and toluene. (There was no information about where this incident occurred, but it was not in AFRD).

2. Program Forum:

FS&IBT -- IBT has been working on upgrading the machine guarding and wiring in the Bldg. 16 machine shop. Joe Kwan has moved to Bldg. 5. Tom McVeigh and Paul Wong are scheduled to take the class for operating cranes with greater than 2 tons lifting capacity. Tom McVeigh will be the Crane Manager. **Fusion** is working on changes to the NDCX experiment. Peter Seidl would like to have a safety review when it is in its final configuration. Ken Barat or his students will measure the magnetic fields at NDCX.

CBP has finished moving people out of Bldg. 71. Ergonomics evaluations are being scheduled for the people who have moved. Stefano DeSantis and Gang Huang have been doing some signal measurement work at the ALS control room.

LOASIS has been focused on moving into the new trailers. Three people are moving from 71X to 71D because 71X was too crowded. Csaba Toth asked whether there is any space available in 71P. LOASIS is ready for an on-site review for their AHD renewal.

ALS Accelerator Physics is working on ALS shutdown activities. The shutdown will last 2 more weeks. Hiroshi Nishimura said that there have been noise problems from riveting as part of the earthquake retrofit, and the demolition work on Bldg. 10.

DOE representative Donna Spencer said the Berkeley Site Office will also be participating in the earthquake drill.

3. Cranes, Hoists, Forklifts, and Industrial Trucks – Matt Kotowski

There have been changes to LBNL safety requirements for forklifts/industrial trucks and cranes/hoists as a result of DOE audits.

Forklifts/Industrial Trucks

The forklift and industrial truck program applies to anything used to move materials: electric or diesel, sit-on or walk-behind. OSHA changed the training requirement a few years ago and LBNL is just catching up. A consultant has trained the LBNL instructors. The difference is that now operators must be licensed and certified on the specific equipment they operate. There is a one-time classroom training that takes 3 hours to complete, and then the students schedule an examination on their equipment. There are two course numbers, one for the class and one for the practical exam. Operators must be certified at least every 3 years. Whenever an operator is observed operating in an unsafe manner or is involved in an accident, their license is automatically revoked and they must be re-examined. Existing licenses have not been revoked, but operators are encouraged to complete the OSHA-compliant retraining as soon as possible. Training completed after January 1, 2006 meets the new requirements.

Cranes/Hoists

The crane and hoist training has also been changed. There used to be a crane class and a hoist class. A crane is defined as anything that moves loads in 2 dimensions, so small sky hooks are actually cranes. It made more sense to divide the training by lifting capacity. Now there is a class for operators of cranes and hoists with a lifting capacity of 2 tons or less, and a new class for operators of cranes and hoists with a lifting capacity of greater than 2 tons. The ≤ 2 tons class includes a classroom session in the 70A-3377 training room, followed by a practical at the 70A loading dock. Jean Myers teaches this class. The >2 tons class will be taught next week (June 5). It includes a classroom session with a video on general requirements, such as inspections and communications, and a presentation on LBNL requirements. The second part is a practical exam. Appointments are made at the class.

A “Learners Permit” can be issued for new crane/hoist or forklift/industrial truck operators to work up to 90 days under supervision.

There must be a designated “Crane Manager” for each crane. Matt Kotowski sent a list to Divisions to update.

There are some things that can only be done by the riggers. Operation of truck-mounted mobile cranes is restricted to licensed riggers. The license must be granted by an independent certifying agency. Cab-operated cranes can only be operated by the riggers. If you want to move a load of ≥ 10 tons or tilt a load of $> 50\%$ of the crane’s capacity, you will need the permission of the riggers. This is because of the danger of shock-loading a crane.

An Engineering Safety Note is required for high value (\$.5 M) or high consequence (risk of program disruption) lifts. The safety note must be reviewed and signed by LBNL lifting experts (Fred Angliss, Derek Shuman, Kevin Trigales, EH&S subject matter expert). There must also be a safety meeting of everyone involved in the lift before the lift begins.

Next Meeting: July 6, 2:00 PM, Bldg. 71J Conference Room