



Materials Sciences Division Safety Committee Meeting

September 12, 2013



Opening Remarks

Rachel Segalman
Division Director

Nick Everson
Deputy Director for Operations

Agenda



- **MSD Safety Committee Membership and Introductions**
- **News from the Safety Advisory Committee**
- **Meet the MSD Electronics Technician**
- **New Chemical Safety Training Requirement**
- **New Policy on Modification of Minimum PPE Requirement**
- **Potential Changes in Electrical Disconnects**
- **Follow up on High Pressure System Identification**

MSD Safety Committee Membership & Liaisons



Chair:
Rick Kelly

Building/Operations Managers:
Gilbert Torres (2, 62, 66, 67, 976), John Turner (72),
Oliver Gessler (2, shared with Gil Torres)
Kristin Estis (976 JCAP Operations Manager)

MSD Support:
Erik Anderson, MSD rep on Lab Safety Advisory Committee (SAC)
Steve Hoagland, Electrical Repairs
Ed Wong, MSD Shop
James Wu, Materials Fabrication
Kymba A’Hearn, EHS Admin

MSD EH&S Technicians:
Paul Johnson, 53, 62, 64, 66, 72, 976
Carleton Falzone, Foundry

EH&S Associates:
Larry Mclouth, Liaison to MSD
James Basore, EHSD Training

DOE Site Office Observer: Julie Henderson Droatz

Ager	Joel Ager
Bourret	Chris Ramsey
CXRO	Weilun Chao
Dubon	Oscar Dubon
Dynes	Steve Wu
Fadley	Gunnar Karl Pálsson
Foundry User Program	David Bunzow
Foundry/Urban	Tracy Mattox
Foundry/Zuckermann	Michael Connolly
Foundry/Cabrini	Scott Dhuey
Foundry/Svec	David Britt
Foundry/Neaton	David Prendergast
Foundry/Schuck	Paul Ashby
EMAT/Javey	Jeff Beeman
Javey B66	Rehan Kapadia
JCAP	Kristin Estis
Kaindl	Yiming Xu
Lanzara	Ken Gottlieb
Milliron	Clayton Dahlman
NCEM	Marissa Mancuso
Orenstein	Eric Thewalt
Ritchie	Amy Wat
Salmeron	Xiaofeng Feng
Schoenlein	Matt Langner
Somorjai	Griffin Kennedy, Walter Ralston
Tomsia	David Lopez
Zhang	Sui Yang
Zheng	Kaiyang Niu
Yaghi	Felipe Gandara, Caitlin Stevens
MSD Business Office	Kyle Davis
MSD Shop	Ed Wong
MSD Mat Fab Facility	James Wu

Each LBNL-based research group in MSD, including each program in the Molecular Foundry, will designate a primary and backup representative to serve on the Safety Committee

Functions and Key Activities of the MSD Safety Committee



Functions of safety committee and representatives

- Represent all research groups within MSD at LBNL
- Stimulate leadership and staff participation in safety program
- Advise Division management and EH&S on safety and health matters
- Perform essential monitoring, educational, investigative and evaluative tasks
- Serve as contact point for EH&S matters in each research group
- Serve as conduit for bringing EH&S information back to research groups

Key Activities

- Recommend changes to existing safety rules or the development of new rules
- Recommend improvements in hazard identification and control measures
- Report and discuss unsafe conditions
- Review accidents, incidents and close calls in MSD
- Disseminate EH&S information at group or lab meetings
- Document inspections, investigations, meetings and other EH&S actions at the group level



News from the Safety Advisory Committee

Raffaella Buonsanti



Meet the New Electronics Technician

Steve Hoagland

CA 7: MSD will take steps to advertise the availability of the electronics technician to support design, fabrication, consultation, testing and inspection of electrical equipment.



New Chemical Safety Training

James Basore, EHSD



Issues

New Policy on Use of Personal Protective Equipment



Makes it easier to get modification of the “automatic” requirement to wear personal protective equipment in certain spaces

- Where there are no hazards present in a space, the area safety lead can modify the minimum PPE requirement, but should consult with Rick
- Where there are only occasional or “task related” hazards that require PPE, the situation must be reviewed on a case-by-case basis by Rick & EHSD—many cases formerly ineligible for modification may now be eligible
- No change in most labs where hazards are routinely present
- Also applies to the storage and consumption of food

Changing Method of Electrical De-energization



- **Electrical equipment operating at >50 volts must be fully de-energized before conductors can be exposed for repair or trouble shooting**
- **Pulling the wall plug generally suffices; anyone who has completed EHS 260 (most everyone) is authorized to de-energize equipment for service by pulling the plug (as long as there are not substantial capacitors within the equipment that could store charge).**
- **Equipment that is hard wired to a disconnect on the wall, or that relies on a switch on the instrument, cannot be de-energized for service by MSD researchers. De-energization (LOTO) must be done by an electrician, or eventually, Steve Hoagland.**
- **We seek to identify hard-wired equipment where this is a burden. It might be possible to have the equipment re-wired so that it can be de-energized by means of a plug.**
- **Examine your labs, report any candidates by e-mail to Kymba**

Follow-up from Last Meeting:

Pressure Safety Rules for Toxic, Corrosive, Flammable Gases

Kymba will be contacting you if you have not reported back on the use of gas at pressure >150 psig in your labs.



Thank you