

**Lab Safety Committee Meeting: Thursday, May 4, 2017 in ADM 460 from 11:00 p.m. to 12:00 p.m.**

Members and invited guests in attendance: Ann Sherman, Jennifer Summit, Keith Bowman, Grace Crickette, Frank Fasano, Marc Majewski, Michael Beatty, Alvin Alvarez, Teaster Baird, Janet Remolona (CoB), Victoria Menzies (LCA), Linda Vadura, Jeff Madigan, Marsha Elliott, Solinna Kim

1. Attendance/Roll Call
2. Welcoming Comments (Ann Sherman, Jennifer Summit)
3. Introductions: Marsha and Jeff from EHS
4. Discussions
  - a. Lab Inspection Report - Follow Up actions: (Marc/Keith - 30 minutes)
    - Emergency Eyewash / Deluge Showers: (slide) Facilities completed 86% in April
    - Chemical Inventory: ~2200 containers completed (10%?) using combination of external safety professionals and students to conduct the inventory.
    - IH Monitoring for Dichloromethane/Methylene Chloride required prior to use
      - 2 teaching labs investigated - no exposures outside of hood
      - No research labs have contacted EHS to arrange for monitoring
      - Action Item – Memo to Lab Faculty and stockrooms to contact EHS to schedule air sampling
    - Pyrophorics: Fire code does not allow storage of pyrophorics unless entire building is sprinklered.
      - Pyrophorics are chemicals that burn on contact with air – responsible for the fatality at UCLA
      - FD Definition: spontaneous ignition in air, autoignition temp below 130 degrees F
      - Very useful in synthetic organic chemistry.
      - UC – Napolitano memo ordered pyrophorics out of all unsprinklered bldgs. (See below for memo appended to these minutes).
      - Although the Fire Marshal has not (yet) raised this issue at SFSU, he We are likely out of compliance with the fire code.
      - Trailer Q \$200K to add sprinklers, may also need glove box could be turned into a pyrophorics facility
      - Keith discussed the benefits of a dedicated facility for pyrophorics and in the future Science bldg.
      - Fire Marshal did a “familiarization” walk through of Thornton Hall. He noted issues with chemical storage, chemical quantities, and space heaters in offices w/o tip over protection
    - Chemistry Dept. Safety Committee:
      - EHS attended and has been invited to join.
      - Memo to pyrophorics users to ID what they have, and what they can get rid of vs need to keep.
      - EHS/Marsha is arranging pickup of unneeded pyrophorics from labs for disposal to minimize footprint
    - Hot Plates:
      - Inventory in chemistry showed none were explosion-proof for use with flammables.
      - Action Item: CoSE will develop a plan to address the issue.
    - Other COSE Steps:
      - Keith and Marc discussed some ways to provide flexibility in PPE enforcement when there’s no access to chemicals in teaching labs (not research labs) – will share at a future meeting
      - Keith and Marc will meet with Bio Dept to spread the findings of the inspection that apply there
      - Keith has hired Chris Ikeda to help Michael Fong address some of the issues raised by the inspection
  - b. Medical Waste Inspection Findings and Corrective Actions: (Marc - 5 minutes)
    - DPH inspection - 7 violations – all abated - no penalties due to responsive corrective actions
    - .... See list of findings and corrective actions appended to these minutes.
    - Special thanks to Darlene Franklin and Justin Chan
  - c. Other Safety Committees: (Grace/Marc - 5 minutes)

- Discussed some of the safety committees on campus: Campus Safety Committee, BioSafety Committee, IACUC, Radiation Safety Committee, Laser Safety Committee, Chemistry Dept Safety Committee
- Union agreement requires a Plant Operations Safety Committee (pending)
- Only a few CSUEU bargaining units are participating in the Campus safety committee.
- Action Item: Marc To follow up with Labor Relations

#### 5. Announcements / Handouts

- a. Upcoming CUPA hazardous materials and waste inspection: (Marc – 5 minutes)
  - Returning “Mid to late May” for hazardous materials, hazardous waste, above ground storage tanks
- b. Continuing FD “get acquainted tour” inspection: (Marc – 5 minutes)
  - Marshal was to return to see the rest of the high rise academic buildings in March but has not come back.
- c. New COSE Hazardous Waste Shed - has arrived – is not yet hooked up
- d. New Chemical and Fire Resistant Lab Coat video: (Marc -2 minutes)
  - Path forward: Budget item for next FY? Pyrophorics users and Chemistry research labs should have priority

#### 6. Meeting ended: 11:52

See attached below:

Medical Waste Inspection Findings

Pyrophorics Memo by UC President Napolitano

## **Medical Waste Inspection Findings**

### **➤ Corrective Actions**

#### **1. Training of Operators of Treatment Units**

**Initial training (but not annual) provided to operators (who autoclave medical waste).**

- **EHS worked with Bio dept. to produce video training for operators-now on Skillport.**
- **All but 1 operator trained.**
- **Annual training to be provided by Bio dept.**

#### **2. Medical Waste Management Plan (not available)**

- **Provided updated plan**

#### **3. Emergency Action Plan**

**The emergency action plan did not include an alternative plan of disposal, as is required, or PPE and decontamination guidelines for spill response.**

- **Provided ammended plan**

#### **4. Biohazardous Waste Bags**

**Not properly containerized (clear bags used instead of red)**

- **Proper bags are available. Communication provided.**

#### **5. Medical Waste Storage**

**Medical waste stored/accumulated above 0 degrees C for more than 7 days during campus closures**

- **New procedure provided: If medical waste must be stored for more than 7 days it must be kept frozen.**

#### **6. Medical Waste Signage**

**Accumulation area for medical waste did not have proper dual language signage**

- **Proper signage in English and Spanish is in place**

#### **7. Biohazardous Waste Container Labeling**

**Biohazardous Waste containers did not close properly, or were missing the international biohazardous waste symbol.**

- **Properly labeled biohazardous waste containers were purchased.**
- **Smaller tabletop autoclavable biohazardous waste containers purchased.**



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CHANCELLORS

Dear Colleagues:

In the past several years, the University of California has taken great strides in enhancing laboratory safety. I now write to address one particular element of laboratory safety: the use and storage of pyrophoric materials in facilities lacking building-wide sprinklers.

Pyrophorics are chemicals that are capable of spontaneously igniting in air at temperatures of 130°F or below. Because of their highly reactive nature, pyrophorics are handled in University of California laboratories according to very strict protocols.

The University of California is in the process of phasing out the use and storage of pyrophorics in existing facilities lacking building-wide sprinklers. As part of this process, a systemwide task force comprising campus fire marshals and EH&S professionals have identified 18 facilities on six campuses for further corrective measures. A list of these 18 facilities is attached for your reference, and these facilities will be the subject of additional guidance from the Office of the General Counsel.

As part of UC's phase-out efforts, I am instructing each campus to immediately implement a prohibition against the use and storage of pyrophoric materials in any new or existing facilities lacking building-wide sprinklers, with the exception of the 18 facilities already identified for further corrective measures. This prohibition is required to achieve the phase out in a timely manner and sustain this goal over the long term.

Thank you for your continuing leadership and support for the University of California's commitment to enhancing laboratory safety.

Yours very truly,

A handwritten signature in black ink, appearing to read "Janet Napolitano".

Janet Napolitano  
President

Attachment