



UNC-CH LABORATORY AND CHEMICAL SAFETY COMMITTEE

MARCH 20th, 2019 – MEETING MINUTES

Members Present: Catherine Brennan, Nita Eskew, Anthony Hackney, Michael Geary (for Pat Boone), Mary Beth Koza, Michael Liang, Jim Potts, Sarah Scarry, Nick Tsihlis

Visitors Present: Jonathan Moore

Members Absent: Lorraine Alexander, Rihe Liu, Todd O'Buckley, Kathryn Reissner

Meeting commenced at 3:05 pm.

CLIP 2018 Annual Summary

Moore presented the Collaborative Laboratory Inspection Program (CLIP) statistics from 2018. There were a total of 897 lab inspection visits which was a slight decrease due to less radiation users. In 2018, there were 394 BSL2 lab inspections which continues to trend upwards. The program performed 6 referral visits and 7 hazardous waste visits. Top citations continue to be related to documentation and training non-compliance. Hazardous waste citations were lower this year but are expected to go up in 2019 due to the new EPA Hazardous Waste Generator Rules-Subpart K implementation.

EHS Goals

Koza presented the 2019 EHS goals with a focus on goals that impacted the laboratory environment. These include:

- Perform comprehensive review of all chemical and lab safety policies and procedures, update as needed and present to Laboratory & Chemical Safety Committee meetings.
- Review and implement a BSL-2 medical surveillance program for BSL-2 agents for which vaccinations are recommended.
- Test and Implement the proposed clinical laboratory inspection program to ensure a safe work environment for employees working in clinical laboratory areas.
- Renew the UNC Academic Broad scope Radioactive Materials License, the Medical Accelerator license and the license for the Institute of Marine Sciences in Morehead City.
- Support the design of the Translational Research Building project.
- Continue to support the Medical Education Building project, including permitting, design review, demolition and construction activities.
- Support chemical moves, waste disposal and lab safety plan updates as part of new Mary Ellen Jones Building coming online in 2019.
- Evaluate the feasibility and demand for EHS Biosafety-led hands-on training for new employees and students focused on fundamental laboratory principles and safe practices.
- Continue to drive the Culture of Safety across campus. Actively engage and use national awareness events such as "National Biosafety Stewardship Month" and "June is Safety Month" as communication vehicles to enhance the safety culture across campus.

LCSC Goals

The committee reviewed progress on 2018 and proposed new goals for 2019. The goals for 2019 include:

- Provide webpage for Lab Safety Supervisors that includes responsibilities and FAQs
- Support bringing American Chemical Society (ACS) graduate student safety training to UNC-CH and have committee participate in training.
- EHS/Committee outreach at department/group/PI level regarding safety culture.
- Support and help integrate Tar Heel Mission Ready/Continuity Plans into lab research.



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Injuries and Incidents

The Committee reviewed the log of injuries and incidents from January through February 2019.

INJURY TYPE	INJURY
ABSORPTION, INGESTION OR INHALATION	EMPLOYEE HAD POSSIBLE EXPOSURE TO DMAP (4-IMETHYLAMINOPYRIDINE) WHILE WEIGHING ON BALANCE.
ABSORPTION, INGESTION OR INHALATION	2 EMPLOYEES: WENT TO OPEN NEW BOTTLE OF DIETHYL PYROCARBONATE (DEPC) UNDER HOOD, CHEMICAL IN BOTTLE EXPLODED UPWARD AND OUTWARD TWICE
ABSORPTION, INGESTION OR INHALATION	EMPLOYEE ENTERED THE BUILDING AND BECAME SHORT OF BREATH, TURNED RED AND BACK AND ARMS BEGAN TO ITCH. POSSIBLE ANIMAL ALLERGY.
BURN OR SCALD	EMPLOYEE WAS BOILING AGAROSE WITH ETHIDIUM BROMIDE. WHEN RELEASING PRESSURE SPLASHED ONTO FACE AND BODY
BURN OR SCALD	EMPLOYEE DROPPED PHENOL CHLOROFORM ON FRONT LEG. DURING DNA EXTRACTION PROCEDURE.
CUT, PUNCTURE, SCRAPE	EMPLOYEE WAS BREAKING THE CAP OFF A GLASS AMPULE OF PARAFORMALDEHYDE TO PREPARE A SOLUTION. WHEN CAP WAS SNAPPED OFF, THE GLASS WAS JAGGED AND CUT THE KNUCKLE OF MY FINGER
CUT, PUNCTURE, SCRAPE	EMPLOYEE SUSTAINED THUMB ABRASION WHILE SETTING UP PCR PLATE.
FOREIGN MATTER IN EYE	EMPLOYEE WAS COMPLETING NECROPSY ON MOUSE AND INFLATING LUNGS WITH FORMALIN WHEN DROP WENT INTO EYE.
STRAIN	EMPLOYEE DEVELOPED TENDONITIS OVER TIME, REPETITIVE USE BOTH WORK AND NON-WORK RELATED, LARGE SCALE PIPETTING
STRAIN	EMPLOYEE SUSTAINED REPETITIVE MOTION INJURY - PIPETTING
STRUCK OR INJURED BY	GAS CYLINDER CART COLLAPSED WHILE TRANSPORTING A GAS CYLINDER AND INJURED EMPLOYEE.
STRUCK OR INJURED BY	EMPLOYEE WAS CHOPPING PIG CORNEAS FOR DNA EXTRACTION AND THE RAZOR BLADE SLIPPED AND PIERCED GLOVE (1MM CUT, LESS THAN 1MM DEEP).
STRUCK OR INJURED BY	NEEDLESTICK TO PALM OF LEFT HAND WHILE ANESTHETIZING INFECTED HUMANIZED MICE. NEEDLE HAD BEEN USED PRIOR TO STICK.

For incidents, there was 1 biohazard, 7 fire alarms, 1 gas leak, 8 odor complaints, 1 request for investigation, 1 blood spill and 5 chemical spills.

Other Committee Business

None.

Meeting adjourned at 4:00 pm.