

### Attendance according to zoom:

Member	Department	Pres.	Abs.	Member	Department	Pres.	Abs.
Doug Aaron	MABE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bryan Lord	Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Michael Allen	TCE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Kristen Massey	IAAM	<input type="checkbox"/>	<input checked="" type="checkbox"/>
James Cantu	EHS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Larry McKay	<b>Vice-Chair : A&amp;S</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Christine Cheney	Physics & Astronomy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ahmad Mitoubsi	EHS/Lab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lori Cole	IACUC/OLAC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sarah Mobley	CEE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Matthew Cooper	Psychology	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Katie Morgan	Nursing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Steve Crouch	UTIA Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Scott Moser	EHS/Lab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Caleb Cummings	EHS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Allen Patchen	EPS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Paul Dalhaimer	CBE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Jacob Payne	UTIA Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bill Dunne	Tickle COE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sandra Prior	EHS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gerald Egeland	MSE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sarah Pruettt	ORE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scott Emert	Nuclear Eng.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Brian Ranger	EHS/Lab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jennifer Ferris	GSM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Darcy Rathjen	JIAM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Casey Fletcher	ART	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tim Rials	UTIA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jason Fogarty	Theatre	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marsha Smith	EHS/Rad	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sharon Hale	CEE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cynthia Swift	CEB	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Linda Hamilton	EHS/Lab	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Daniel Thomas	EHS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Terry Hazen	<b>Chair-CEE/EPS/Micro</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Joseph Williams	EEB (new)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Randy Huelsman	Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Andre Zeumault	EECS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lee Jantz	Anthropology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ling Zhao	Nutrition	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jeremiah Johnson	Microbiology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grad Student Rep	Grad Student Rep	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Kobza	ISE	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Mariano Labrador	BCMB	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Kim Harmon	EHS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sally Horn	Geography	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Brian Payne	EHS/Guest	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brian Long	Chemistry	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

### Agenda:

- I. Introductions: New LSS Team Members
- II. Approve Minutes from Last Meeting
- III. LSS Updates
- IV. LSC Working Groups
- V. Documents
- VI. Incidents/Concerns
- VII. 2021 TDEC/EPA Inspection Update
- VIII. SERF HRU Replacement Project Updates
- IX. Poll for Meeting Format
- X. New Business
- XI. Next Meeting

### Attachments and References:

- 2022 Lab Safety Reviews: Findings by Risk Category (YTD)
- LSS/TDEC HazWaste Findings – 2021-2022
- Forms / Guidance for Review:
  - LS-003
  - LS-023
  - LS-025
  - non-iodizing radiation
- CEE Near Miss/Stop Work APT - Report

[Google drive documents with zoom video](#)

## Topic Summaries

### I. **Introductions – New Lab Safety Services Team Members**

EHS Lab Safety - Caleb Cummings (chemical) & Daniel Thomas (biological)

### II. **Approve Minutes from Last Meeting (2/28/2022)**

A correction was submitted by Dr. Lori Cole. Kim Harmon updated and minutes approved.

### III. **Lab Safety Services Updates (Ranger)**

a. Ranger – Chart: *2022 Lab Safety Reviews: Findings by Risk Category (YTD)*

#### i. 1<sup>st</sup> Quarter - Top 5 Findings

1. Chemical Inventory (10)
2. HazWaste Training (9)
3. HazWaste Mgmt. (6)
4. Training Records (4)
5. Spill Response Plan (4) Eyewash Mgmt. (4) (**tied**)

ii. Similar findings to 2021; Ranger - periodic Listserv reminders for these tasks

iii. LSS Team – Departmental LSS Reviews

1. Linda Hamilton: finished Nutrition, Public Health and CEB; starting EEB
2. Ahmad Mitoubi: finished initial BCMB reviews, finishing up paperwork
3. Scott Moser: finishing up IAMM; then onto Art
4. Physics and Astronomy reviews are upcoming

b. Change in **Release of Final Paycheck** Procedure: lab check-out by LSS removed.

### IV. **Lab Safety Committee working groups - meeting outcomes & next steps**

a. Communications – Cantu:

i. Risk Management meetings completed; EHS online forms approved.

1. Remaining concern – Student Health procedures aren't uniform for everyone
2. Edits to Whistleblower: *near miss & incident* section - for staff, students & visitors

ii. Launched Website

b. HHCC Membership Recruitment - Moser:

- i. Moser distributed Recruitment Announcement: nomination deadline is May 9<sup>th</sup>
- ii. Next step: review nominees and schedule first meeting

c. Safety Awards – Hazen:

i. Scheduling a second ZOOM meeting to discuss the following:

1. Award Categories
2. Criteria to meet requirements for each category
3. Brainstorm ways to get campus-wide interest and participation
4. Decide frequency of awards
5. Complete budgeting of awards so as not to exceed OREID funding.

ii. Ranger – add categories to audit sheet, choose among innovations currently seen in labs

### V. **Documents for Lab Safety Committee to Review**

- a. LS-003: Lab Decommissioning/Commissioning form – Mitoubsi
  - i. Simplified form: removed lab checkout procedure that is no longer required
  - ii. New form eliminates confusion of using 2 different forms
- b. LS-023: 3D Printer Safety – Moser designed a guidance form
  - i. Ventilation: LSS evaluates labs and suggests ways to improve ventilation
  - ii. Associate Deans of Research (ADR) – may also be able to assist lab with safety measures
- c. LS-025: Nanomaterials Safety Guidance – Mitoubsi
  - i. OSHA has identified Nanomaterials as a possible hazard, but no specific guidance
  - ii. LSS guidance document informs labs about usage and obtaining LSS recommendations
- d. Non-Ionizing Radiation Program – Smith – 2 draft forms
  - i. UV Light Sources
  - ii. Infrared, Radiofrequency, Magnetic Generating Equipment

## VI. Incidents/concerns

- a. CEE near miss / stop work – accelerated pavement tester APT (Mobley)
  - i. APT running without barriers in place on 3/21/2022 with other students in lab
  - ii. Chris Cox (Dept. Head) made sure all staff were retrained on use of APT
  - iii. Updated SOP with **physical checklist** to be completed before every use of APT
- b. SERF 312/328 ventilation/VOC Concerns (Moser and Ranger)
  - i. Some fume hoods locked open by Facilities Services
    1. Wrong equipment purchased or placed incorrectly
    2. Infrastructure limitations does not currently allow for adequate ventilation in all spaces
  - ii. Reiterated that LSS needs to be informed before FS makes changes to ventilation
- c. *Toxoplasma gondii* exposure/needlestick
  - i. Extraction of blood from a contaminated duck: 2 graduate students possibly contaminated
  - ii. Inadequate restraint of duck allowed duck to move and distract students
  - iii. Solution - Engineering control: 'bird burrito' or mechanical holder as restraint

\*Note: treatment of these students was mishandled, statewide hold on using NOVA for worker's compensation

- d. *Candida albicans* exposure/spray
  - i. Injecting mouse tail vein, its tail twitched, injection sprayed back into student's eyes/face
  - ii. 15-minute eyewash: struggled to maintain water pressure during flushing of eyes
  - iii. Updated SOP (mouse selection, syringe pressure, positioning of student, eye protection)
  - iv. Submitted request for Facilities to check eyewash pressure
- e. Chemistry teaching lab incidents (4 separate events of small chemical burns)
  - i. Arm on vacuum tube during set-up (10-15 min) – developed rash
  - ii. Leaning into hood arm on foil of hood – developed rash
  - iii. 2 undergraduates in different lab classes (same day, same experiment)
    1. Trifluoroacetic acid (TFA) exposure
      - a. Undergrad student 1: hood air blowdown on high, TFA splashed, arm burn
      - b. Undergrad student 2: unsure how but arm got a chemical burn
  - iv. Corrective action: Discussion needed to discuss possible corrective actions

## VII. 2021 TDEC/EPA Inspection Update

- a. Ranger: *LSS/TDEC Hazwaste Findings: 2021-Current* chart
  - i. June 2021 TDEC inspections and subsequent repeat inspections
    - 1. Most frequently repeated findings
      - a. open containers
      - b. inappropriately labeled containers (\*mostly ziplock bags)
  - ii. Unannounced TDEC Inspection (April 22<sup>nd</sup>)
    - 1. TDEC inspected 3 labs that previously had findings. Two labs passed inspection.
    - 2. Third lab (teaching lab) had open/mislabeled containers: Rotella fixed these.
    - 3. No additional TDEC fines.

VIII. **SERF Backup Generator Replacement and HRU Repairs/Replacement - Update**

- a. Backup Generator Replacement – Dan Smith
  - i. May-June: some power outages in different areas
  - ii. Closure of Middle Drive
- b. HRU Repairs/Replacement
  - i. No hoods or ventilation in areas connected to HRU undergoing repair
    - 1. Phase 1: July 9 – Aug 3 (HRU 3 and 4 – middle to north)
    - 2. Phase 2: Oct 1 – Oct 26 (HRU 1 and 2 – north side)
    - 3. Phase 3: Dec 21 – Jan 15 (HRU 5 and 6 – south side)
  - ii. Security Concerns – unlocked, unmonitored labs

IX. **Poll for New Meeting Format** (Zoom, in-person, or hybrid)

- a. Zoom - good attendance, good participation, no health concerns
- b. 73% agree to meet via Zoom

X. **New Business** (no new business)

XI. **Next Meeting** – June 20, 2022, 1:30-3:00 pm (Zoom)