

Attendance according to zoom:

Member	Department	Pres.	Abs.	Member	Department	Pres.	Abs.
Doug Aaron	MABE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mariano Labrador	BCMB	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Michael Allen	TCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yingkui Li	Geography	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shawn Campagna	ORE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Brian Long	Chemistry	<input checked="" type="checkbox"/>	<input type="checkbox"/>
James Cantu	EHS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bryan Lord	Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Christine Cheney	Physics & Astronomy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Larry McKay	Arts & Sciences	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lori Cole	IACUC/OLAC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ahmad Mitoubssi	EHS/Lab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Matthew Cooper	Psychology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sarah Mobley	CEE	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Steve Crouch	UTIA Safety	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Scott Moser	EHS/Lab	<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"/>
Elizabeth Derryberry	EEB	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sandra Prior	EHS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bill Dunne	Vice Chair -Tickle COE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sarah Pruettt	ORE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gerald Egeland	MSE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Brian Ranger	EHS/Lab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scott Emert	Nuclear Eng.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Darcy Rathjen	JIAM	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Fedo	EPS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marsha Smith	EHS/Rad	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jennifer Ferris	GSM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cynthia Swift	CEB	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Casey Fletcher	ART	<input checked="" type="checkbox"/>	<input type="checkbox"/>	David White	UTIA	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jason Fogarty	Theatre	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Andre Zeumault	EECS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liz Fozo	Microbiology	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ling Zhao	Nutrition	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sharon Hale	CEE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Alicia Doerr	Grad Student Rep/Chemistry	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Linda Hamilton	EHS/Lab	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stephen Romaniello	Alternate/Fedo	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Terry Hazen	Chair -CEE/EPS/Micro	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Kim Harmon	EHS/Guest	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Randy Huelsman	Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Brian Payne	EHS/Guest	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lee Jantz	Anthropology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Thanh Do	Chemistry	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Kobza	ISE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Jeremiah Johnson	Microbiology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				Viktor Nemykin	Chemistry	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Agenda:

- I. Approve Minutes from Last Meeting
- II. Laboratory Safety Services Updates
- III. Lab Safety Committee Working Groups
- IV. Documents Review
- V. Incidents/Concerns
- VI. Non-denatured ethanol-permits, locations, & dispensing procedures
- VII. Offsite Safety Program
- VIII. New Business
- IX. Next Meeting

Attachments and References:

- LSS Annual Summary pdf
- DSO working group recommendations
- Lab Safety Communication Org Chart
- Chemical Inventories (draft)
- Lab Equipment Decon & Disposal (draft)
- Site Safety Visti Procedure (draft)
- Senter Laser Fire
- JIAM Furnace-chemical release
- Offsite Safety Scheme

<https://drive.google.com/drive/folders/1fFsv8YNevD8s1ofxPveo-ATc-fNnblOU?usp=sharing>

Due to COVID-19 the zoom meetings will continue until further notice.

Topic Summaries

Election for the Vice-chair Laboratory Safety Committee:

Elected Larry McKay

I. Approve Minutes from Last Meeting

Minutes from the 1/25/2021 meeting were approved.

II. Laboratory Safety Services update (Ranger)(0:6:38 – 0:33:35)

2020 LSS report

Findings

- a. Fig. 1. Total findings ~1400 (lumped into several different categories) 4 major findings
 - i. Chemical Safety – failure to update chemical inventory
 - ii. General Safety – lab clutter and lack of PPE
 - iii. Emergency Equipment – eyewash flushing or inactivity
 - iv. Signage – updated door placards
- b. Fig. 2. Total findings by unit/department
- c. Fig. 3. Calculated findings per lab
- d. Fig. 4. Finalized Reports by unit – responsiveness
 - i. Some of these only had 2 or 3 findings and that made it easier to respond.
 - ii. Third of the way down the chart you can see where we start to dip below 50%, some of this is because of the LSS bandwidth issue and not able to follow up and some may have been a total lack of responsiveness at all. We had about a third of the labs or PI's that never did respond to BioRAFT inspection report.
 1. Some of these that you see with a 0 (McClung Museum) there was probably just 1 finding and everything was taken care of verbally and then the individual that was responsible just never went in to BioRAFT and closed out the report. So statistically it shows a 0 but may have been done.
- e. Training – Lab safety training – number of modules that were completed by systems that we use
- f. Next section in report is programmatic highlights
- g. Recap of Incidents, Accidents, Exposures, & Near Misses
- h. Final section – Program Objectives
- i. Questions:
 - i. Terry Hazen – All findings that were found do you think because of the pandemic that the PI's were not coming in as much as the graduate students were?
 - Brian Ranger – I would not point a finger at anyone but there were times we were walking

through spaces by ourselves because no one was there.

Hazen - Should DSO's pay attention to the number of findings that have not been resolved or responded too?

Ranger – Suggestion would be to look at a couple of the charts/graphs and if there was a department that had a number of findings and there were a number of findings per site inspected (the ratio is high) above 2 or 3 and if there was not great resolution this might would be a department that would need more attention going into this year.

- ii. Brian Long – Curious about chemistry report with a commonality of findings. Some are like a bulk of chemicals in inventories that needed to be uploaded.

Ranger – Some of the finding are that they had been done or discussed and the person just did not go in a report it back through system but may have updated information like a door sign for example.

Hazen – Should DSO's go through BioRAFT for his or her entire department and make recommendations to the PI's to make sure they close stuff?

Bill Dunne – Suggest that go to the Department Head and they would make recommendations for the PI's to close stuff.

- iii. Chris Fedo – Is there a sense that every person who has a finding – do they know they have a finding? That would be too much work for a DSO.

Ranger - Yes, you can sort in the system of people that never did view their report in the system.

Hazen – Send that PI's need to go in and check to make sure that it is checked off as done in the system

Dunne – If EHS is concerned that after a certain amount of time that people are not opening up their reports let the Deans of the college know and let them send out a message to the PI's.

- iv. Not the DSO but maybe a note from Dean or Department Head to go into BioRAFT to read reports and close out finding. This year was different due to pandemic.

III. Lab Safety Committee Working Groups–meeting outcomes & next steps (0:33:36 – 1:04:23)

- a. HHCC – Larry McKay –Adapt an existing program for our use. It is used by University of Texas, Health Science Center. Make modifications based on the Arizona State University. Some of the things they had were a set of prepopulated SOP's for certain chemicals. Big question is who actually does the review when you do submit an application. Next steps – working on draft of plan. At next meeting will give PowerPoint. May start with a subset of chemicals to see how that goes to start with.
- b. Lab safety communication strategies – Chris Fedo - trying to identify and map out the pathways of communication that pertain to safety communications, incidents and whistleblowers. How they should be connected and communicated. Diagrams should be posted in labs. Goal is to receive any comments from committee, work on text, and deliver this to the LSC committee.
Hazen - Timing requirements for reporting need to be added.
Hamilton – Add TDEC in the reporting section
Prior – Campus Safety Committee – reports to Executive Safety Council. Recommend incorporating some of the tools that we have for reporting concerns like the LiveSafe app which go immediately to some EHS staff.
- c. DSO Responsibilities – Doug Aaron – Recommendations of roles and responsibilities of DSO's.

- i. First note is that maybe something that is not quite *officer* an official to *unit safety coordinators* (USCs) because we have other units than departments represented
- ii. Should description be like a menu or be a broad overview and then individual units can tailor what is involved in that activity?
- iii. Transparency to let department heads know what we (USCs) are doing.
- iv. Mobley – department to department the scope of the job can vary so try to keep this as a coordinator or liaison role.
- v. USC's could be more than one person and share the responsibilities? Especially because of the ones that do not get paid to work summers.
- vi. Recommendation maybe the person be a tenure track person
- vii. Put a cap on it by end of February

IV. Documents review- (1:04:25 – 1:09:53)

- a. EC-004 Chemical Inventory procedure (minor revisions)
- b. LS-015 Equipment Decontamination & Disposition procedure (minor revisions)
- c. LS-002 Site Safety Reviews (draft changes to reflect updated LSS strategies)
 - a. language needs to be changed and updated – Unit Safety Coordinators (voted on)

V. Incidents/Concerns (Brian Ranger) (1:09:58 - 1:15:25)

- a. Laser/acetone fire report CBE (Moser)
 - i. Small lab fire during laser focusing, extinguisher was used to put out the fire
 - ii. Action items – installing laser in use sign, EHS installed CO2 extinguisher
- b. Furnace/broken sample tube with chemical release JIAM (Moser)
 - i. Chemicals heated in sample tubes one of the tubes broke during heating phase there was a chemical release at the time.
 - ii. Grad student did everything right, turned off furnace and called EHS.
 - iii. Lab group met and discussed the incident

VI. Non-denatured ethanol-permits, locations, & dispensing procedures (Sandra Prior) (1:15:35 -1:30:05)

Inquiry from Kim McCulloch if EHS needed to be involved with our suppliers for granting ethanol permits. The request came up because there was an additional permit requested rather than having to go to the chemistry store room. When you are using 190-200 proof ethanol (tax-free) there has to be a TTB permit. TTB permits are specific to the permit holder. If you get one permit for the campus you are still responsible for how the person is using it, storing it, disposing of it, etc. EHS does not know how many people have the 190-200 proof ethanol. EHS needs to know:

- a. Who the permit holders are
- b. We get the information for the permit holders and what the expectations are. TTB guidance says you are supposed to inventory it twice a year and record how much is used and where it went.
- c. Because it is highly flammable it has a danger hazard associated with it if you are pumping it from a drum into smaller containers you need to have a spark proof pump and the drum needs to be bonded and grounded, and have secondary containment if the drum was to leak.

- d. Access to the ethanol has to be restricted.

Sandra did contact Kim back and told her that we should be aware of the permit holders and we should be able to assist the permit holders on what the expectations are for handling of anything that has a permit through TTB.

Sarah Pruett - Is there a volume question? More than 1500 gallons needs additional filing.

VII. **Offsite safety program (Ranger) (1:30-13 – 1:31:23)**

Move topic to next meeting

VIII. **New Business -**

FYI's

Sharon Hale – SERF 7th floor dry ice being left in boxes in hallway.

Cindy Swift – SERF 7th floor– theft – if door is locked leave locked and don't prop doors open.

IX. **Next Meeting** – March 15, 2021, 1:30-3:00 pm; Zoom Meeting

Chat messages from meeting:

- 13:38:45 From Elizabeth Derryberry : Yay!
- 13:38:56 From Christine Parks Cheney : Thank you, Larry!
- 13:40:24 From Christine Parks Cheney : I abstain because I had to leave the meeting early.
- 13:56:10 From Brian Long : I have a question, Brian R.
- 13:56:33 From chrisfedo : I have a question
- 13:59:29 From Shawn Campagna : Have to run early. Sorry
- 14:43:35 From Matt Cooper (he/him) : Is there a thumbs down! ha!
- 14:44:04 From Paul Matthew Dalhaimer : There's a "no".
- 14:55:40 From Sarah Pruett : Is there a volume question?
- 14:59:43 From Stephen J Romaniello : <https://www.ttb.gov/images/pdfs/p51504.pdf>
- 14:59:59 From S F Hale to Kimberly M Harmon(Direct Message) : we may have gotten couple hundred mls in past years for making e coli growth media
- 15:00:44 From John E Kobza : I have to leave for another meeting. No ethanol for us.
- 15:01:04 From Stephen J Romaniello : I have to pop into another meeting as well. Apologies all!
- 15:06:04 From Elizabeth Derryberry : I have to leave as well. Thank you for the great discussion today.