

**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 type="checkbox"/>            | <input checked="" type="checkbox"/> |
| James Cantu          | EHS                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Bryan Lord            | Facilities                    | <input type="checkbox"/>            | <input checked="" 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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Steve Crouch         | UTIA Safety                   | <input checked="" type="checkbox"/> | <input 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 type="checkbox"/>            | <input checked="" type="checkbox"/> | Sandra Prior          | EHS                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Bill Dunne           | <b>Vice Chair</b> -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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input 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<br>Rep/Chemistry | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Linda Hamilton       | EHS/Lab                       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Stephen<br>Romaniello | Alternate/Fedo                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Terry Hazen          | <b>Chair</b> -CEE/EPS/Micro   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Kim Harmon            | EHS/Guest                     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Randy Huelsman       | Facilities                    | <input type="checkbox"/>            | <input checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 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"/>            |

**Agenda:**

- I. Approve Minutes from Last Meeting
- II. Laboratory Safety Services Updates
- III. COVID-19 Response/Planning Updates
- IV. Lab Safety Committee Working Groups
- V. UTK strategic vision-proposed safety statement
- VI. Incidents/Concerns
- VII. New Business
- VIII. Next Meeting

**Attachments and References:**

- LSS updates
- Working Alone in Research
- Report Lab Safety Metric Working Group
- HHC – Nov. 5 notes
- Strategic Visioning-Safety
- Near miss notification
- <https://drive.google.com/drive/folders/1qaZtKeHr6TT3ietnkQlvRmi37qi5eDk4?usp=sharing>

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

## Topic Summaries

### I. **Approve Minutes from Last Meeting**

Minutes from the 10-19-2020 meeting were approved.

### **Laboratory Safety Services Updates (Ranger) (0:03:08 – 0:07:39)**

a. 292 inspections have been completed. Breakdown of report status on inspections

i. Finalized – 103

ii. Pending Resolution – 173

1. Non Confirmed (PI has not confirmed receipt) – 71  
working on how to figure out how to get this number down

iii. Pending Inspector Review – 16

### **Top 5 findings (Last 6 Months)**

1. Chemical Inventory update (176)

2. Emergency Contact Information (163)

a. Update information for lab members and contacts

3. Weekly Eyewash Testing (137) –

a. Added as reminder for labs before restarting activity.

4. Laboratory Hygiene/Housekeeping (56)

5. Eyewash Accessibility (53)

### II. **COVID-19 Response/Planning-Updates – Open agenda item (0:07:41–0: 15:08)**

This is a standing item on the agenda in hopes that the EOC personnel would provide any updates as necessary.

a. Extend break, increased lab activity, and working alone (guidance document).

b. This is just a reminder that over the holidays there are usually people that come in and work while the university of closed. If you are changing your operations and it is changing your health safety plan be sure to make those changes and turn those in especially in the research labs.

i. Be sure that you identify hazardous work that requires the presence of a second person who is knowledgeable in the procedure.

### III. **Lab Safety Committee Working Groups- (0:15:09 – 0:53:11)**

a. Lab Safety Metrics and KPI's (Bill Dunne)

i. Brian Ranger received comments about the metrics about the working group. There were a couple of comments that were recurring themes.

1. Self-review mechanisms there were a lot of concerns about the bureaucracy and some of the time keeping and things like that. This might strain the DSO's beyond what their capacity of this role is.
    - a. This document suggests a timeframe for self-reviews but if it turns out that the particular time does not work out for your unit and that unit thought there was a timing that the self-reviews would get greater participation that would be fine. The goal is to have the self-reviews not to say they have to recur at this date x and day y.
  2. Lab safety culture about DSO's and defining what their role is exactly and what their expectations are. This would be a good time to come up with detailed information about what the roles of a DSO are as a committee.
    - a. Bill Dunne – suggestion is to let this committee form a working group since it is made up of DSO's and let that group come up with the first definition of what a DSO is.
    - b. Brian Ranger thinks this working group should be relatively small maybe be made up of a tenured faculty that is probably getting service credit for this role, a staff member that is a whole different set of incentives, thinks that we have one department head and would like to hear his perspectives, and one of the ADR's that is on this committee should be part of this conversation. Bill suggests that we ask for volunteers and then invite if we have any gaps from the ones listed above.
      - i. Those that are willing to be on this working group please send Brian Ranger an email.
  3. Bill Dunne – @ 0:42:19 there is a motion to approve proposal for defining what a DSO is and then bring the metrics back in. Approved @ 0:42:55
- b. High Hazard Chemical Review (Larry McKay)
- i. Met on November 5.
  - ii. New member on this working group Stephen Romaniello. Good addition because of background with chemicals and history of forming a chemical review committee.
  - iii. Came up with plan for how to move ahead. Back in February they were looking at different types of systems at other institutions and agencies has implemented. After some discussion we decided to narrow down to two systems.
    1. Arizona State University (ASU) HHC plan
      - a. Stephen is very familiar with this plan because he worked there for a number of years before coming here.
    2. University of Texas Health Center in Houston plan
      - a. Scott Moser shared this information
  - iv. Each took the role as an expert on each of these systems and they are going to go through these plan and then share data with us prior to our next meeting. So that we can either look at adopting one of these or a combination of these systems.
  - v. A few of the issues were discussed

1. Do we want to restrict this to research labs or will we also include things like chemicals used by facilities cleaning, maintenance staff, or construction renovation staff?
  2. Initial focus will be research labs
- vi. Goal is to have completion sometime in January.
  - vii. Bill Dunne suggestion is since this is the lab safety committee that we keep the framework in that area. What is developed can be used as advisory in some groups but we do not have responsibility to those areas.
- c. Lab Safety Communications Strategies (Chris Fedo)
    - i. Brian Ranger – update from Chris – has not met for communication strategies yet.
  - d. Lab Coat Program (Terry Hazen)
    - i. Table this for now because it would require additional funding
  - e. Safety Awards (Terry Hazen)
    - i. Table this for now because it would require additional funding

#### **IV. UTK strategic vision-proposed safety statement (Sandra Prior)(0:53:12 – 0:55:08)**

- a. Submitted draft that was put together it went up to Deb Crawford she approved it and forwarded it on. Sandra then submitted it to the Chancellor.
- b. Moving forward and now waiting to see if they adopt what we have asked.

#### **V. Incidents/Concerns (Brian Ranger) (0:55:10-1:06:45)**

- a. Near miss/reminder regarding molecular biology kit reagents & mixing incompatibilities – great example of reporting a near miss to EHS.
- b. Sandra Prior – JIAM – number of false alarms that we are having from the gas system.
  - i. Scott Moser – sensor failed because a prefilter getting clogged up with dust. A prefilter is in place to collect dust and lower humidity levels before it hits the sensor. It was throwing an error message and the local alarm went off so Scott and Facilities Services corrected that issue.
  - ii. Scott Moser - The following weekend another sensor/alarm fail in another lab but this caused the whole building to go into alarm and KFD was notified and the building was dumped and people were supposed to evacuate and KFD sent multiple fire trucks out to JIAM due to the toxic gas sensors being activated. Scott went over to JIAM and took off all the prefilters so we do not have this issue again moving forward. Again this ended up being an error for flow to the sensor being blocked. We have scheduled the semi-annual calibration and testing for the system.
  - iii. Darcy did receive a message from UTPD saying they did not know the protocol. They will get the information/protocol together from 2017 and pass send to them.

**VI. New Business (1:06:48 – 1:07:05) - None****VII. Next Meeting** – January 25, 2021, 1:30-3:00 pm; Zoom Meeting**Chat messages from meeting:**

13:35:01 From Elizabeth Marie Fozo : Fozo-abstain (had to leave early)

13:38:14 From Brian Payne to Brian Ranger(Privately) : A little hard to hear you. May need to lean in to computer. sounds like defaulting to computer mic.

13:39:40 From Bill Dunne to Brian Ranger(Privately) : Brian, for any of the 71 persons who has not confirmed receipt of the lab report that are in TCE, please let me know who they are!

13:41:14 From Scott A Moser : Who is listed as guest00? for the attendance sheet

13:49:00 From Douglas Scott Aaron : We'll talk about it during MABE faculty meeting tomorrow.

13:54:34 From drathjen to Brian Ranger(Privately) : I'd like to be part of the DSO committee

13:55:45 From guest00 : Guest00 is Yingkui Li from Geography. I don't why my name does not show up. Thanks.

13:57:32 From Scott A Moser : Thank you Dr. Li.

13:58:18 From Stephen J Romaniello : One additional comment on the lab safety metrics: I think it's important to have a mechanism that recognizes that accidents can happen but that an important part of a lab safety culture is successful and safe response (e.g. first aid, training, emergency response etc). "Near misses" sort of captures this, but something like "% Appropriate Response" might provide an opportunity for positive feedback

14:07:14 From Sarah Mobley : strongly seconded

14:09:51 From Elizabeth Marie Fozo to Brian Ranger(Privately) : not on the agenda—but glove re-use is “rising” with issues of supply chain. Just be aware of this—I can state this only from my suite perspective (and some overheard complaining when I stated “don’ reuse”)