Agenda – February 25, 2020
Group 9 (College of Engineering) Health and Safety Committee

1. Attending
   Michael Domar, AA
   Colleen Irvin, BioE
   Sean Yeung or Michael Brett, CEE
   Michael Pomfret, CEI
   Carter Beamish for K. Hamon, ChemE
   S. Honeydew or M. Glidden, CoE DO
   Alex Lefort or Adrian dela Cruz, CSE
   Mike Kane or Bill Lynes, ECE
   Erin McKeown or Denise Bender, EH&S
   Stacia Green, HCDE
   Sheila Prusa, ISE
   Svenja Fleischer, ME
   John Young or M. Weaver, MolES/NanoES
   Tatyana Galenko, MSE
   N. Shane Patrick or Maria Huffman, WNF

2. Guest Speaker - Scott Nelson, EH&S Fire Safety & Engineering Manager
   • Battery safety update
   • Consolidating SFD permits for hazardous materials in buildings; MyChem listing permit #

3. Previous Meeting Minutes
   • Jan 2020 – approve? Corrections/additions?
   • Previous meeting minutes are posted at https://www.engr.washington.edu/mycoe/safety# and at each department/group’s safety bulletin board.

4. Department Incident Reports (use “5 Why’s” analysis for one report)
   • CEI @ Bowman - sulfuric acid spill (Jan)
   • MSE @ MolES - cut fingers while leveling feet (Jan)
   • MSE @ Mueller - needle stick while uncapping syringe (Jan)
   • ECE @ HSEB - lacerated finger on monkey cage (Jan)
   • CSE @ Gates - cut thumb on stair railing (Jan)
   • CEE @ More - HF spill (Jan)
   • MSE @ MolES - needle stick in thumb (Jan)
   • CSE @ Gates - slipped and fell, hitting head (Jan)
   • MSE @ Ben - waste container exploded in fume hood (Jan)

5. Group Business
   • Lab Safety and Compliance for Administrators webinar 2/26
   • review and approve Group 9 charter for submission to Dean

6. UW-Wide Meeting
   • January minutes N/A (no January meeting)
   • February agenda attached

7. Member Updates

Next Meeting: March 31st at 2pm, in Loew 355
DRAFT Meeting Minutes
Health and Safety Committee for Group 9 (College of Engineering)

Meeting Date: January 28, 2019

Attended
Colleen Irvin, BioE
J. Sean Yeung, CEE
Michael Pomfret, CEI
Carter Beamish, ChemE
Alexander Lefort, CSE
Sonia Honeydew, DO
Mike Kane, ECE
Denise Bender, EH&S
Stacia Green, HCDE
Svenja Fleischer, ME
John Young, MolES/NanoES
Tatyana Galenko, MSE
N. Shane Patrick, WNF

Absent
Michael Domar, AA
Sheila Prusa, ISE

Introductions

- Introductions and icebreaker (unexpected or notable hazards)
  - BioE has five floors with chem, bio, and radiological hazards
  - CEI has 3D printer body parts, batteries, and HF
  - CEE has a fallout shelter in the sub-basement
  - HCDE has a failing elevator at Sieg (the only elevator)
  - ChemE has incidents of mouse/rat bites (working with lab animals)
  - CSE has a laser cutter and machine hazards
  - WNF has pyrophorics

- Denise Bender will be Group 9’s regular EH&S rep, with Erin McKeown as backup

Previous Meeting Minutes

- December 2019 – draft approved.
- Previous meeting minutes are at: https://www.engr.washington.edu/mycoe/safety#. EH&S recommends each department/group post paper copies on their safety board. Inform employees of the name of their rep; best practice is to post name by meeting notes.
DRAFT Meeting Minutes
Health and Safety Committee for Group 9 (College of Engineering)

Incident Reports

- BioE @ HSB - sterile needle prick (Nov). As the lab was moving, this occurred in transitional space (working out of moving crates during remodeling). Lab personnel got distracted. The lab has increased awareness and oversight.
- CEE @ Ben Hall – needle prick from autoclaved waste (Nov). Injury to Custodial Services personnel because sharp disposed improperly. Someone from a neighboring lab, which had a different onboarding procedure, disposed of sharp in shared space. Now the neighboring lab is matching this lab’s onboarding procedure for consistent training. Question: is there a facility autoclave at Ben Hall? Yes, generally biological waste rather than sharps. Question: need sharps gloves when unload autoclave waste? Training to pick up bag from top?
- ChemE @ Benson – rat bit finger (Nov). Rat behaved unusually. Lab personnel did not follow training and will retake rat handling course. Question: why no first aid administered? Shouldn’t they at least wash hands? Lab rats are a controlled population with no diseases of concern. Question: why did this individual animal behave unusually? Why was the animal highly stressed/anxious? Investigate whether animal caregivers missed the cause or tried to mitigate it.
- No reports from December.

Group Business

- 2020-2021 committee member listings are being updated on EH&S site. Access to Group 9 shared drive is being updated. Will forward link for OARS dashboard. Confirmed the new meeting time is still good.
- H&S Committee training is online via Bridge. We reviewed Group 9 purpose, and member and chair responsibilities.
- Elected new Chair (Sonia), Vice Chair (Alex), and U-wide reps (Colleen and Sonia).
- EH&S recommends a proxy for each group, even non-voting representatives, as this facilitates communication.
- Group 9 charter update – save for February meeting.

UW-Wide Meeting

- Dec minutes in packet.
- Jan agenda N/A – There was no U-wide meeting in January due to change of personnel.
Department Updates

- **EH&S** – OSHA 300 forms will be distributed in next few days to Chairs, Building Coordinators, and HSCs. By law they must be posted on your safety board February 1st through April 30th. The value of the PI onboarding packet was discussed – Denise followed up: email labcheck@uw.edu for the packet.

- **DO** – following up on previous discussion about whether instructors know how to evacuate classrooms to building’s EAP... we recommend posting a sign about evacuation procedures on classroom doors, as the safety orientation that should happen the first day or week of class seems to be inconsistent or ineffective. From EH&S perspective, it is up to the Building Coordinators to be in touch with instructors, but in reality, the BC’s do not know who Academic Technologies is sending to teach in their buildings each quarter. Perhaps in 2020 EH&S will work with Academic Technologies to point instructors to building FSEPs.

- **BioE** – some office personnel on several floors of east side of building report smelling smoke and getting headaches. The cigarette smoke smell is intermittent. Facilities would not clean ductwork and did not propose another way to address this. There has been an instance elsewhere on campus where cigarette butts were found in the air shafts. EH&S tested the air system and the dept awaits data. Question: could this be vaping inside?

- **ME** – Battery safety issue meeting tomorrow. Will have final recommendations to share at February meeting.

- **WNF** – we have AED’s in Fluke now, in the first floor at WNF, so staff are required to take First Aid and CPR training. Important to keep on top of this with 50% team turnover.

- **ChemE** – a person living with homelessness was camped in the study lounge for a few days. Kept an eye on them, but no problems.

- **CEI** – follow-up on 911 call from campus phone at Bowman that went to Seattle dispatch rather than UWPD dispatch: was told by UW IT that Bowman address is under SPD jurisdiction rather than UWPD, so can’t change this routing. So CEI updated internal SOP’s to make a second call to EH&S after calling 911 (or after hours, call UWPD line). They have also all added the SafeZone app.

- **CEE** – sexually explicit poster found in More Hall – either targeted harassment or solicitation. Removed poster and contacted UWPD. They have video of the person who posted it, which was shared with UWPD. Not sure whether this counts as “hateful flyers/graffiti” but it’s a good time to mention reporting procedures for those listed on CoE website [here](#). Next month will discuss an HF spill.
DRAFT Meeting Minutes
Health and Safety Committee for Group 9 (College of Engineering)

- HCDE – While cleaning out rooms in the 3rd floor of Sieg, department noticed the paint job does not look like UW painters’ work (because everything including ceiling utilities was painted). Brandon and Denise of EH&S will walk over to see if work may have been done by non-union people not trained in asbestos hazards.
- MSE – We will see a report in January of an undergrad poked with needle in lab.
- CSE – Someone slipped in lower Gates Center. The back-up drainage from the roof is acting as primary drainage – Facilities looking into this. There are now AEDs in the Gates Center (already had in Allen Center). Theft of toiletries from bathroom. Security problem with people tailgating into the building.
- MolES/NanoES – Reminded occupants to please tape off the ends of lithium ion batteries before disposal (at electronics bin) to minimize ignition.

Next Meeting

- February 25th, 2020 at 2pm, in Loew 355.
**Person Reporting Incident**

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<td>ENG: Collaboration Core - WCET Staff</td>
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Date Reported (yyyy/mm/dd): 2020/01/22  
Time of Reporting: 01:30 PM

**Person Involved or Affected**

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**Incident Details**

Date of Incident (yyyy/mm/dd): 2020/01/22  
Time of Incident: 7:30 AM  
When Shift Begins: N/A

Campus: Seattle  
Incident Location/Parking Lot: BOWMAN BUILDING

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Incident Details:

**Overview:** 1M Sulfuric acid spill

**Details:**

1-21-20
9:30 a.m. started an acid bath of 5L in reaction mixer of 1M sulfuric acid.
4:00 p.m. stopped mixing for the evening. Acid solution was left to be stored overnight. Secondary containment was removed. Propeller shaft was removed from motor and left to rest on top of the release valve on the bottom of the vessel.
10:00 p.m. was last time the reaction vessel was observed, and no leak was noticed.

1-22-20
7 a.m. about 500ml of the 1M Sulfuric acid had dripped overnight onto the catch pan bellow the reaction mixer and began overflowing onto the floor.
The acid was neutralized with sodium bicarbonate and cleaned.
The leak was fixed by tightening the bottom valve that is used to hold and or dispense the fluid.

Attachment: Yes

**Supervisor**

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<tr>
<td>Pomfret</td>
<td>Michael</td>
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<td>+1 206 685-6833</td>
<td><a href="mailto:mpomfret@uw.edu">mpomfret@uw.edu</a></td>
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<td>ASSISTANT DIRECTOR OF OPERATIONS</td>
<td>ENG: Collaboration Core - WCET Managers</td>
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**Classification**

**Level 1:** Property damage only,

**Type of Incident**

Injury Description: None,

Body Parts Affected: None,

Cause of Injury or Damage: None,
### Possible Causes

**Equipment:** No Guards/Barriers, Using Equipment Improperly,

**Environment:** Chemicals,

**Policies / Procedures:** Failure to Follow Procedures,

**Human Factors:** Failure to Follow Established Protocol/Procedures,

### Suggested corrective action by the affected party

Make sure secondary containment is present 100% of the time.
Do not rest propeller shaft on top of screw valve.

### Supervisor's Comments

**Root Causes:**
(Please look at all the factors that may have contributed to the accident. Such factors may include equipment, environment, policies, procedures, and personnel.)
The root cause was determined to be that the release valve was not sufficiently tightened. Contributing factors that may have contributed to the delayed timing of the leak are: the stir support rod resting directly on the valve and the thermal contraction of the system while it cooled from the experimental temperature. The secondary container that is required for this set-up is large enough to contain the entire volume of the vessel and would have prevented the spill. This container was removed under the assumption that nothing would happen over night and the catch basin on the instrument is not sealed and therefore wasn't sufficient to contain the leaking acid.

**Recommendations/Preventive Measures:**
Ensure secondary containment is used at all times while any liquid is in the reaction vessel.

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<th>Corrective Actions Complete Date (yyyy/mm/dd):</th>
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**Other Comments:**
N/A

### EHS Review

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<tr>
<th>Last Name: Konnur</th>
<th>First Name: Manisha</th>
<th>Phone Number: +1 206 221-1759</th>
<th>Email: <a href="mailto:mkonnur@uw.edu">mkonnur@uw.edu</a></th>
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**Occupation/Position:**

**Comments:** forwarded to Tracey Harvey - MK 1/22

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ON FILE: Affected/Injured Employee's date of birth, gender, date of hire, and hours of employment.
**Person Reporting Incident**

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<td>Time of Reporting:</td>
<td>03:40 PM</td>
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**Person Involved or Affected**

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**Incident Details**

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<td>Time of Incident:</td>
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<tr>
<td>When Shift Begins:</td>
<td>11:30 AM</td>
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<th>Campus:</th>
<th>Incident Location/Parking Lot:</th>
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<tr>
<td>Not assigned to Campus:</td>
<td>MOLES - HOFFMAN TRLR</td>
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**Incident Details:**

When I was using the ranch to unscrew the leveling feet, I accidentally hurt two of my fingers. There was slight bleeding and I used the band-aid to treat them.

**Attachment:** No

**Supervisor**

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<tr>
<td>+1 509 375-4443</td>
<td><a href="mailto:jliuww1@uw.edu">jliuww1@uw.edu</a></td>
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<tr>
<th>Occupation/Position:</th>
<th>Department: ENG: Materials Science and Engineering</th>
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<td>PROFESSOR</td>
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**Classification**

**Level 1:** Injury or Exposure, no first aid required,

**Type of Incident**

**Injury Description:** Cut, Laceration, Puncture, Scratch, Abrasion (Open Wound),

**Body Parts Affected:** Fingers,

**Cause of Injury or Damage:** Contact with Object: Bumped into Something,

**Possible Causes**

**Equipment:** Defective Tools, Equipment,

**Environment:** Sharp Objects,

**Policies / Procedures:** Appropriate Procedures Non-existent,

**Human Factors:** Inadequate, Improper PPE,

**Suggested corrective action by the affected party**

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ON FILE: Affected/Injured Employee's date of birth, gender, date of hire, and hours of employment.
### Supervisor's Comments

**Root Causes:**
(Please look at all the factors that may have contributed to the accident. Such factors may include equipment, environment, policies, procedures, and personnel.)

**Recommendations/Preventive Measures:**

**Corrective Actions Target Date (yyyy/mm/dd):**

**Corrective Actions Complete Date (yyyy/mm/dd):**

**Other Comments:**

### EHS Review

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<tr>
<th>Last Name: Konnur</th>
<th>First Name: Manisha</th>
<th>Phone Number: +1 206 221-1759</th>
<th>Email: <a href="mailto:mkonnur@uw.edu">mkonnur@uw.edu</a></th>
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**Occupation/Position:**

**Department:**

**Comments:** forwarded to Zara L., OHN, Ellie W. - MK 1/9
University of Washington
Accident / Incident Report

Report Number: 2020-01-017
Contact EH&S at 206-543-7262

Person Reporting Incident

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<thead>
<tr>
<th>Last Name: Galenko</th>
<th>First Name: Tatyana</th>
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<tr>
<td>Phone:</td>
<td>Email: <a href="mailto:tgalenko@uw.edu">tgalenko@uw.edu</a></td>
</tr>
<tr>
<td>Occupation/Position: RESEARCH SCIENTIST/ENGINEER 3 (E S 8)</td>
<td>Department: ENG: Materials Science and Engineering</td>
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<tr>
<td>Date Reported(yyyy/mm/dd): 2020/01/08</td>
<td>Time of Reporting: 03:33 PM</td>
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Person Involved or Affected

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<td>Phone:</td>
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<tr>
<td>Occupation/Position: Undergraduate Student</td>
<td>Department:</td>
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<td>Person was in Paid Position: No</td>
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Incident Details

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<tr>
<td>Campus: Seattle</td>
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<td>Room: 165</td>
<td>Other:</td>
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Incident Details:

Student was taking a cap of the syringe, cap was on tight, when the needle came out of the cap, student poked index finger. TA had the student wash his hands for 15 min with soap. The needle was previously used for injecting chemical into solution. Chemicals used: bis- acrylamide & acrylamide & TEMED. After 15 min wash, first aid was administered. Lab manager called Hall Health, to see if student should seek immediate attention. Lab manager was informed that skin irritation was the primary concern. Lab manager printed out SDS and provided them to the student in case they wanted to go see a doctor if things got worse. Lab manager plans to check in on student next lab session.

Attachment: No

Supervisor

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<td>Phone:</td>
<td>Email: <a href="mailto:tgalenko@uw.edu">tgalenko@uw.edu</a></td>
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<tr>
<td>Occupation/Position: RESEARCH SCIENTIST/ENGINEER 3 (E S 8)</td>
<td>Department: ENG: Materials Science and Engineering</td>
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Classification

Level 1: Injury requiring first aid,

Type of Incident

Injury Description: Cut, Laceration, Puncture, Scratch, Abrasion (Open Wound),

Body Parts Affected: Fingers,

Cause of Injury or Damage: Chemicals, Needles, Medical Sharps, Scapelss, etc. (Clinical, Research, Teaching),

Possible Causes

Equipment:

Environment:

ON FILE: Affected/Injured Employee's date of birth, gender, date of hire, and hours of employment.
Policies / Procedures:

Human Factors: Inadequate Training,

Suggested corrective action by the affected party

Don't have the cap on the syringe on so tight.

Supervisor's Comments

Root Causes:
(Please look at all the factors that may have contributed to the accident. Such factors may include equipment, environment, policies, procedures, and personnel.)

Inadequate training.

Recommendations/Preventive Measures:
Lab manager will do additional training with students before the start of the lab. If students don't feel safe, ask TA to do it.

Corrective Actions Target Date (yyyy/mm/dd): 2020/01/13
Corrective Actions Complete Date (yyyy/mm/dd): 2020/01/13

Other Comments:
Every two weeks a new set of students do the lab that involve needles, will talk with a new set of students every two weeks.

EHS Review

Last Name: Konnur        First Name: Manisha        Phone Number: +1 206 221-1759        Email: mkonnur@uw.edu

Occupation/Position:        Department:

Comments: forwarded to Tracey Harvey, EHS-OHN, Ellie Wade, Zara L. – MK 1/9
After loading a rhesus macaque from their cage to their chair and lowering the door of the chair, [redacted] scratched himself on the edge of the cage, ripping through both pairs of gloves and breaking the superficial layers of skin (blood drawn) on the tip of his left pinky finger.
Lab members will increase their level of PPE (scratch-resistant gloves) when performing chair-loading procedures moving forward, reducing risk of abrasions due to environmental factors. Increased care will be used to avoid rushing that may increase risk of abrasions. The environment will also be assessed to make lab members aware of all sharp edges on cages/the chair.

**Supervisor's Comments**

Root Causes:
(Please look at all the factors that may have contributed to the accident. Such factors may include equipment, environment, policies, procedures, and personnel.)

Two key causes contributed to this accident. Ergonomic/environmental – Our primate chair design requires that they are positioned very close to the cages. Some cages have additional equipment mounted on the front, creating sharp edges that present additional obstacles and increase risk.
Personnel – Rushing to perform new tasks, combined with the increased obstacles on the cage increased the likelihood of injury on the cage.

Recommendations/Preventive Measures:
Moving forward, we recommend that steps be taken to reduce the hardware mounted to the front of the cages used for our animals. In addition, we will increase the level of PPE beyond the required to assure that, independent of environmental factors, we reduce the risk of abrasions from the cage. Specifically, lab members will wear scratch-resistant gloves while performing operations involving the cage.

Corrective Actions Target Date (yyyy/mm/dd): 2020/01/17
Corrective Actions Complete Date (yyyy/mm/dd): 2020/01/17

Other Comments:

**EHS Review**

Last Name: Konnur  
First Name: Manisha  
Phone Number: +1 206 221-1759  
Email: mkonnur@uw.edu

Occupation/Position:  
Department:  
Comments: forwarded to OHN, Ellie Wade, Zara Llewellyn – MK 1/17

ON FILE: Affected/Injured Employee's date of birth, gender, date of hire, and hours of employment.
Report Number: 2020-01-065
Contact EH&S at 206-543-7262

Person Reporting Incident

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<th>Department</th>
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<tbody>
<tr>
<td>ENG: Computer Science &amp; Eng - Mankoff JM</td>
<td>Student</td>
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</table>

Date Reported (yyyy/mm/dd): 2020/01/21
Time of Reporting: 02:27 PM

Person Involved or Affected

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<tr>
<td>ENG: Computer Science &amp; Eng - Mankoff JM</td>
<td>Student</td>
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Date Reported (yyyy/mm/dd): 2020/01/21
Time of Reporting: 02:27 PM

Incident Details

Date of Incident (yyyy/mm/dd): 2020/01/21
Time of Incident: 1:30 PM
When Shift Begins: N/A

Campus: Not assigned to Campus
Incident Location/Parking Lot: Bill & Melinda Gates Center for Computer Science &
Room: main stairwell
Other:

Incident Details:

I was walking down the stairwell with my hand along the hand-rail or slightly below it (can't recall as I wasn't paying close attention, I take this stairwell everyday) and felt something hard hit my left-hand thumb, resulting in a minor cut.

Attachment: No

Supervisor

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<th>Last Name</th>
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<tr>
<th>Phone</th>
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<tbody>
<tr>
<td></td>
<td><a href="mailto:injury@u.washington.edu">injury@u.washington.edu</a></td>
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<td>RADIOLOGY</td>
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Classification

Level 1:
Injury requiring first aid,

Type of Incident

Injury Description: Cut, Laceration, Puncture, Scratch, Abrasion (Open Wound),

Body Parts Affected: Fingers,

Cause of Injury or Damage: Broken Glass, Splinter, Sharp Furniture Edge, etc.,

Possible Causes

Equipment:

Environment:

Policies / Procedures:

Human Factors: Inattention,

Suggested corrective action by the affected party

ON FILE: Affected/Injured Employee's date of birth, gender, date of hire, and hours of employment.
Supervisor's Comments

Root Causes:
(Please look at all the factors that may have contributed to the accident. Such factors may include equipment, environment, policies, procedures, and personnel.)

Recommendations/Preventive Measures:

Corrective Actions Target Date (yyyy/mm/dd):    Corrective Actions Complete Date (yyyy/mm/dd):

Other Comments:

EHS Review

Last Name: Konnur    First Name: Manisha    Phone Number: +1 206 221-1759    Email: mkonnur@uw.edu

Occupation/Position:    Department:

Comments: forwarded to Scott Nelson - MK 1/21

ON FILE: Affected/Injured Employee's date of birth, gender, date of hire, and hours of employment.
Sample tube (50 mL falcon) containing 10 mL of 40% HF and 1 gram of vanadium aluminum carbonate (V2AlC) was on sample rack without the lid, awaiting transfer into waste bottle. The researcher accidentally knocked the tube, causing it to fall, spilling 1 mL of the solution inside the fume hood. The tube was quickly picked up and placed back in the rack. was not exposed to the solution (no splash).

recovered most of the solution with a transfer pipet, which was placed back into the 50 mL falcon tube. There was no HF spill kit available, but she contacted a nearby lab mate to locate the MSDS and calcium carbonate to neutralize the remaining solution. She then placed calcium carbonate powder onto the affected area in the fume hood to neutralize the HF, and mixed well using kimwipes. The powder was then packaged into double bagged hazardous waste using kimwipes. Afterwards, water was used to wipe down the area.

was wearing all proper PPE (goggles, face shield, surgical mask, lab coat, HF apron, nitrile glove, and silver shield gloves), and had completed the online HF training. was working alone at the fume hood, but a lab mate was nearby.

The lab did have calcium gluconate gel (purchased for exposure), which applied to her hands out of an abundance of caution (she was wearing silver shield gloves when handling the HF clean-up).

Attachment: No
Cause of Injury or Damage: **Chemicals, Contact with Object: Bumped into Something.**

Possible Causes

Equipment:

Environment:

Policies / Procedures: **Appropriate Procedures Non-existent, Inadequate Instructions, Procedures, Inadequate Planning, Preparation,**

Human Factors: **Inadequate Training, Inattention,**

**Suggested corrective action by the affected party**

Don't open cap of falcon tube until we are prepared for the transfer of HF.

**Supervisor's Comments**

Root Causes: (Please look at all the factors that may have contributed to the accident. Such factors may include equipment, environment, policies, procedures, and personnel.)

Factors that may have contributed to the accident include a lack of standard operating procedures regarding safe handling and use of hydrofluoric acid.

Recommendations/Preventive Measures:

A corresponding standard operating procedure will be written and signed by all lab members to ensure safe handling of hydrofluoric acid in the future.

<table>
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<tr>
<th>Corrective Actions Target Date (yyyy/mm/dd):</th>
<th>Corrective Actions Complete Date (yyyy/mm/dd):</th>
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<tr>
<td>2020/01/27</td>
<td>2020/01/23</td>
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**Other Comments:**

**EHS Review**

Last Name:     First Name:     Phone Number:     Email:     

Occupation/Position:     Department:     

Comments:
### Person Reporting Incident

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<th>Date Reported(yyyy/mm/dd):</th>
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<td>2020/01/27</td>
<td>02:02 PM</td>
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### Person Involved or Affected

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<th>Department: ENG: Materials Science and Engineering - Luscombe Lab JM Student</th>
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### Incident Details

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<th>Date of Incident(yyyy/mm/dd):</th>
<th>Time of Incident:</th>
<th>When Shift Begins:</th>
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<td>12:30 PM</td>
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<th>Campus:</th>
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<tr>
<td>Not assigned to Campus</td>
<td>MOLECULAR ENG BLDG</td>
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<th>Room:</th>
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**Incident Details:**

Needle stick in thumb at reasonable depth.

**Attachment:** No

### Supervisor

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<tbody>
<tr>
<td>Luscombe</td>
<td>Christine</td>
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<th>Phone:</th>
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<tr>
<td>206 616-1220</td>
<td><a href="mailto:luscombe@uw.edu">luscombe@uw.edu</a></td>
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<tr>
<th>Occupation/Position:</th>
<th>Department: ENG: Materials Science and Engineering</th>
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### Classification

**Level 1:**

Injury or Exposure, no first aid required,

### Type of Incident

**Injury Description:** Cut, Laceration, Puncture, Scratch, Abrasion (Open Wound),

**Body Parts Affected:** Fingers,

**Cause of Injury or Damage:** Needles, Medical Sharps, Scalpels, etc. (Clinical, Research, Teaching),

### Possible Causes

**Equipment:**

**Environment:**

**Policies / Procedures:** Failure to Follow Procedures,

**Human Factors:** Inadequate Training, Failure to Follow Established Protocol/Procedures,

### Suggested corrective action by the affected party

Change initial/onboarding training in safety procedures for new students or lab members to really drill down on correct and safe handling of sharps.
Supervisor's Comments

Root Causes:
(Please look at all the factors that may have contributed to the accident. Such factors may include equipment, environment, policies, procedures, and personnel.)
While all new members undergo safety training, in this particular instance, it seems that the new member was not sufficiently aware of the dangers of placing sharps waste in the incorrect area.

Recommendations/Preventive Measures:
Redesign onboarding safety orientation to ensure that new members are aware of dangers associated with sharps waste.

Corrective Actions Target Date (yyyy/mm/dd): 2020/01/27
Corrective Actions Complete Date (yyyy/mm/dd): 2020/01/27

Other Comments:

EHS Review

Last Name: Konnur
First Name: Manisha
Phone Number: +1 206 221-1759
Email: mkonnur@uw.edu

Occupation/Position: Department:

Comments: forwarded to OHN, Ellie Wade, Zara Llewellyn - MK 1/27

ON FILE: Affected/Injured Employee's date of birth, gender, date of hire, and hours of employment.
**University of Washington**

**Accident / Incident Report**

**Report Number:** 2020-01-088  
Contact EH&S at 206-543-7262

### Person Reporting Incident

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**Occupation/Position:** ENG: Computer Science & Eng - Front Office  
**Department:** ENG: Computer Science & Eng - Front Office

**Date Reported (yyyy/mm/dd):** 2020/01/28  
**Time of Reporting:** 10:12 AM

### Person Involved or Affected

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**Occupation/Position:** ENG: Computer Science & Eng - Front Office  
**Department:** ENG: Computer Science & Eng - Front Office

### Incident Details

**Date of Incident (yyyy/mm/dd):** 2020/01/28  
**Time of Incident:** 8:45 AM  
**When Shift Begins:** 8:30 AM

**Campus:** Not assigned to Campus  
**Incident Location/Parking Lot:** Bill & Melinda Gates Center for Computer Science &

**Room:** ground floor ext 6  
**Other:**

**Incident Details:**

As I was entering the building through the loading dock entrance, there was a pool of water about 1 inch deep inside the building. As I stepped inside, my foot slipped on the water and I landed on my back and hit my head on the concrete floor. My phone was in my back pocket and was damaged as well! There was no signage to indicate the floor was wet during this time.

**Attachment:** No

### Supervisor

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**Occupation/Position:** DIRECTOR OF FACILITIES  
**Department:** ENG: Computer Science and Engineering

### Classification

**Level 1:**
- Injury requiring first aid,
- Injury requiring medical treatment (go to level 3 if in-patient hospitalization or amputation occurred),
- Injury involving lost work days,

### Type of Incident

**Injury Description:** Bruise, Contusion, Headache, Pain, Irritation, Inflammation, Swelling,

**Body Parts Affected:** Head, Hands, Wrists, Back, Buttocks, Hip, Pelvis,

**Cause of Injury or Damage:** Fall of Less than 6', or on Stairs, Flood, Wind, etc. (Indoors or Outdoors),

### Possible Causes

**Equipment:**

**Environment:** Slippery, Uneven surface,

**Policies / Procedures:**

ON FILE: Affected/Injured Employee's date of birth, gender, date of hire, and hours of employment.
Human Factors:

**Suggested corrective action by the affected party**

Fix the flooding issue!

**Supervisor's Comments**

**Root Causes:**
(Please look at all the factors that may have contributed to the accident. Such factors may include equipment, environment, policies, procedures, and personnel.)

The drainage system was overworked with the heavy rains— the water seeped into the building from the roof drain system which engages during heavy rain event.

**Recommendations/Preventive Measures:**

We are installing a walk off mat at the doors to prevent a slippery surface.

A permanent fix for the system is underway

**Corrective Actions Target Date (yyyymm/dd):** 2020/03/20

**Corrective Actions Complete Date (yyyymm/dd):**

**Other Comments:**

**EHS Review**

Last Name: Konnur | First Name: Manisha | Phone Number: +1 206 221-1759 | Email: mkonnur@uw.edu

Occupation/Position: | Department: 

Comments: forwarded to Scott Nelson - MK 1/28
Report Number: 2020-01-104

**Person Reporting Incident**

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| Occupation/Position: | Department: ENG: Materials Science and Engineering-Yang Lab JM Student |

Date Reported (yyyy/mm/dd): 2020/01/31

Time of Reporting: 03:50 PM

**Person Involved or Affected**

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| Occupation/Position: | Department: ENG: Materials Science and Engineering-Staff JM Student |

Person was in Paid Position: No

**Incident Details**

Date of Incident (yyyy/mm/dd): 2020/01/30

Time of Incident: 4:45 PM

When Shift Begins: N/A

Campus: Seattle

Incident Location/Parking Lot: BEN HALL INT. RSCH

Room: 630

Other:

**Incident Details:**

An acidic solution (80% HNO3, 10% HCL, 10% H2SO4) was added to an existing waste container which was labelled and used in the past to collect this type of waste by a Masters student working in our lab. The waste container was in a fume hood with several other containers that were being cataloged and prepared for waste pickup. ~10 minutes later the container exploded, apparently due to a reaction which produced internal pressure. The sound of the explosion alerted students elsewhere in the lab to the incident. The explosion broke two additional waste containers: a second containing primarily nitric acid and a 3rd which contained additional chemicals in an unknown ratio (NaBH4, NH3OH, NMP, and 2-amino-2-thydroxymethyl-1.3-propanediol). The majority of the spill was contained within the fume hood but some solution and broken glass was deposited on the floor outside the fume hood. Baking soda from the spill kit was applied to the liquid solution on the floor and it was at this point I was alerted to the spill (I was working at my desk in a neighboring room) and contacted EH&S.

Attachment: No

**Supervisor**

<table>
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<tr>
<th>Last Name: Yang</th>
<th>First Name: Jihui</th>
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| Phone: +1 206 543-7090 | Email: jihuiy@uw.edu |

| Occupation/Position: PROFESSOR | Department: PROV: College of Engineering |

**Classification**

Level 1:

Near miss (No incident occurred but it could have),

Property damage only,

**Type of Incident**

Injury Description: None,

Body Parts Affected: None,

Cause of Injury or Damage: None,

**Possible Causes**

ON FILE: Affected/Injured Employee's date of birth, gender, date of hire, and hours of employment.
Equipment:

Environment: Poor Housekeeping,

Policies / Procedures: Appropriate Procedures Non-existent,

Human Factors:

Suggested corrective action by the affected party

After working with EH&S to clean up the spill it was agreed that the process of removing excess waste from our lab should be quickly implemented. Additionally, proper waste storage practices should be implemented with a brief training for all lab staff to bring everyone up to speed. As part of restocking our spill kit we will review the PPE we have available in the even of future acid spills to ensure a quick and safe response.

Supervisor’s Comments

Root Causes:
(Please look at all the factors that may have contributed to the accident. Such factors may include equipment, environment, policies, procedures, and personnel.)
Accumulation of excess waste combined with improper storage of waste containers within the fume hood. As our lab’s new CHO I had already begun the process of accessing our waste streams but had not yet requested waste pickup. This reaction may have occurred since the waste container quite old and may no longer have only contained the compounds listed on the label.

Recommendations/Preventive Measures:
As was already our intention we want to remove all currently collected waste from our lab to allow for a fresh start implementing a new waste collection system more in line with UW EH&S guidelines and policies to avoid this type of incident in the future.

Other Comments:
This is my first time completing an incident report. I have completed it to the best of my ability but would happily receive feedback on what additional information can be included. I listed myself as a supervisor since I am the lab’s CHO.

EHS Review

Last Name: Konnur
First Name: Manisha
Phone Number: +1 206 221 - 1759
Email: mkonnur@uw.edu

Occupation/Position: Department:

Comments: forwarded to Tracy Harvey – MK 2/3
# University-Wide (U-Wide) Health and Safety Committee Meeting Agenda

**February 12, 2020**

**1:00 p.m. – 2:30 p.m.**

**William H. Foege Bldg. N-130A**


<table>
<thead>
<tr>
<th>Agenda Item</th>
<th>Lead</th>
<th>Process</th>
<th>Time</th>
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<tbody>
<tr>
<td>Call to Order and Introductions</td>
<td>Liz Kindred, 2018-19 Co-chair</td>
<td>Robert’s Rules of Order</td>
<td>10 min</td>
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<tr>
<td>Welcome</td>
<td>EH&amp;S – Erin McKeown</td>
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<td>10 min</td>
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<tr>
<td>Election of chair and co-chairs for 2020-21 term</td>
<td>EH&amp;S – Erin McKeown</td>
<td>Nominations and vote</td>
<td>5 min</td>
</tr>
<tr>
<td>2020-21 Meeting terms: time, day, location, meeting length</td>
<td>EH&amp;S – Erin McKeown</td>
<td>Nominations and vote</td>
<td>5 min</td>
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<tr>
<td>Organizational Group Reports*</td>
<td>Committee members</td>
<td>Discussion</td>
<td>25 min</td>
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<td>Union Reports</td>
<td>Union representatives</td>
<td>Discussion</td>
<td>10 min</td>
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<tr>
<td>Ex-Officio Reports</td>
<td>Ex-Officio members</td>
<td>Discussion</td>
<td>10 min</td>
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| EH&S Updates | - LNI Update – Erin McKeown  
- General Updates – Katia Harb or Denise Bender | Discussion | 10 min |
| Good of the Order | 2020-21 Co-chair | Discussion | 5 min |
| Adjourn | Liz Kindred | Robert’s Rules of Order | |

*Organizational Group Reports include topics covered at their most recent meeting*

*Please send ideas for agenda items to the co-chairs at least 2 weeks prior to the scheduled meetings.*