

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

1. Attending

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

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 @ MoIES – 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 @ MoIES – 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, MoIES/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.

DRAFT Meeting Minutes

Health and Safety Committee for Group 9 (College of Engineering)

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.
- MoIES/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.



University of Washington Accident / Incident Report

Report Number: 2020-01-069

Contact EH&S at 206-543-7262

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: [REDACTED]	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Collaboration Core - WCET Staff
Date Reported (yyyy/mm/dd): 2020/01/22	Time of Reporting: 01:30 PM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: [REDACTED]	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Collaboration Core - WCET Staff

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	
Room: 112	Other:	

Incident Details:

Overview: 1M Sulfuric acid spill

Details:
 1-21-20
 9:30a.m. started an acid bath of 5L in reaction mixer of 1M sulfuric acid.
 4:00p.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.
 10:00p.m. was last time the reaction vessel was observed, and no leak was noticed.

1-22-20
 7a.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

Last Name: Pomfret	First Name: Michael
Phone: +1 206 685-6833	Email: mpomfret@uw.edu
Occupation/Position: ASSISTANT DIRECTOR OF OPERATIONS	Department: ENG: Collaboration Core - WCET Managers

Classification

Level 1:
 Property damage only,

Type of Incident

Injury Description: None,
Body Parts Affected: None,
Cause of Injury or Damage: None,

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

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.			
Corrective Actions Target Date (yyyy/mm/dd): 2020/01/23		Corrective Actions Complete Date (yyyy/mm/dd): 2020/01/23	
Other Comments: N/A			
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 - MK 1/22			



University of Washington Accident / Incident Report

Report Number: 2020-01-016

Contact EH&S at 206-543-7262

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: [REDACTED]	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Materials Science and Engineering-Pauzauskie Lab
Date Reported(yyyy/mm/dd): 2020/01/08	Time of Reporting: 03:40 PM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: [REDACTED]	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Materials Science and Engineering-Pauzauskie Lab

Incident Details

Date of Incident(yyyy/mm/dd): 2020/01/08	Time of Incident: 11:30 AM	When Shift Begins: 11:30 AM
Campus: Not assigned to Campus	Incident Location/Parking Lot: MOLES - HOFFMAN TRLR	
Room: 220	Other:	

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

Last Name: Liu	First Name: Jun
Phone: +1 509 375-4443	Email: jliuuw1@uw.edu
Occupation/Position: PROFESSOR	Department: ENG: Materials Science and Engineering

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

[REDACTED]

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 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

Last Name: Galenko	First Name: Tatyana
Phone:	Email: tgalenko@uw.edu
Occupation/Position: RESEARCH SCIENTIST/ENGINEER 3 (E S 8)	Department: ENG: Materials Science and Engineering
Date Reported (yyyy/mm/dd): 2020/01/08	Time of Reporting: 03:33 PM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone:	Email:
Occupation/Position: Undergraduate Student	Department:
Person was in Paid Position: No	

Incident Details

Date of Incident (yyyy/mm/dd): 2020/01/08	Time of Incident: 3:15 PM	When Shift Begins: N/A
Campus: Seattle	Incident Location/Parking Lot: MUELLER HALL	
Room: 165	Other:	

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

Last Name: Galenko	First Name: Tatyana
Phone:	Email: tgalenko@uw.edu
Occupation/Position: RESEARCH SCIENTIST/ENGINEER 3 (E S 8)	Department: ENG: Materials Science and Engineering

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, Scalpels, etc. (Clinical, Research, Teaching),**

Possible Causes

Equipment:

Environment:

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 doesn'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			



University of Washington Accident / Incident Report

Report Number: 2020-01-056

Contact EH&S at 206-543-7262

Person Reporting Incident

Last Name: Orsborn	First Name: Amy
Phone: 2066162049	Email: aorsborn@uw.edu
Occupation/Position: ASSISTANT PROFESSOR	Department: ENG: Electrical & Computer Engineering
Date Reported (yyyy/mm/dd): 2020/01/16	Time of Reporting: 02:45 PM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone:	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Electrical & Computer Engineering Orsborn Lab

Incident Details

Date of Incident (yyyy/mm/dd): 2020/01/16	Time of Incident: 10:00 AM	When Shift Begins: N/A
Campus: Not assigned to Campus	Incident Location/Parking Lot: Health Sciences Education Building	
Room: I-565	Other:	

Incident Details:

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.

Attachment: No

Supervisor

Last Name: Orsborn	First Name: Amy
Phone: 2066162049	Email: aorsborn@uw.edu
Occupation/Position: ASSISTANT PROFESSOR	Department: ENG: Electrical & Computer Engineering

Classification

Level 1:
Injury requiring medical treatment (go to level 3 if in-patient hospitalization or amputation occurred),

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: Ergonomics Issues, Sharp Objects,

Policies / Procedures:

Human Factors: Rushing,

Suggested corrective action by the affected party

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**



University of Washington Accident / Incident Report

Report Number: 2020-01-065

Contact EH&S at 206-543-7262

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone:	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Computer Science & Eng - Mankoff JM Student
Date Reported (yyyy/mm/dd): 2020/01/21	Time of Reporting: 02:27 PM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone:	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Computer Science & Eng - Mankoff JM Student

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

Last Name: Unknown	First Name:
Phone:	Email: injury@u.washington.edu
Occupation/Position:	Department: RADIOLOGY

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

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**



University of Washington Accident / Incident Report

Report Number: 2020-01-076

Contact EH&S at 206-543-7262

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: +1 [REDACTED]	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Civil and Environmental Engineering- Admin Staff
Date Reported (yyyy/mm/dd): 2020/01/23	Time of Reporting: 02:35 PM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone:	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Civil and Environmental Engineering - PM Ray

Incident Details

Date of Incident (yyyy/mm/dd): 2020/01/16	Time of Incident: 2:00 PM	When Shift Begins: N/A
Campus: Seattle	Incident Location/Parking Lot: MORE HALL	
Room: 324	Other:	

Incident Details:

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. [REDACTED] was not exposed to the solution (no splash).

[REDACTED] 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.

[REDACTED] 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. [REDACTED] was working alone at the fume hood, but a lab mate was nearby.

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

Attachment: No

Supervisor

Last Name: Ray	First Name: Jessica
Phone: +1 206 221-0791	Email: jessray@uw.edu
Occupation/Position: ASSISTANT PROFESSOR	Department: ENG: Civil and Environmental Engineering

Classification

Level 1:
Near miss (No incident occurred but it could have),

Type of Incident

Injury Description: **None,**

Body Parts Affected: **None,**

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

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.

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

Corrective Actions Complete Date (yyyy/mm/dd):
2020/01/23

Other Comments:

EHS Review

Last Name:

First Name:

Phone Number:

Email:

Occupation/Position:

Department:

Comments:



University of Washington Accident / Incident Report

Report Number: 2020-01-084

Contact EH&S at 206-543-7262

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: +1 [REDACTED]	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Materials Science and Engineering - Luscombe Lab JM Student
Date Reported (yyyy/mm/dd): 2020/01/27	Time of Reporting: 02:02 PM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: +1 [REDACTED]	Email: [REDACTED]
Occupation/Position: [REDACTED]	Department: ENG: Materials Science and Engineering - Luscombe Lab JM Student

Incident Details

Date of Incident (yyyy/mm/dd): 2020/01/24	Time of Incident: 12:30 PM	When Shift Begins: N/A
Campus: Not assigned to Campus	Incident Location/Parking Lot: MOLECULAR ENG BLDG	
Room: 140	Other:	

Incident Details:
Needle stick in thumb at reasonable depth.
 Attachment: **No**

Supervisor

Last Name: Luscombe	First Name: Christine
Phone: +1 206 616-1220	Email: luscombe@uw.edu
Occupation/Position: PROFESSOR	Department: ENG: Materials Science and Engineering

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**



University of Washington Accident / Incident Report

Report Number: 2020-01-088

Contact EH&S at 206-543-7262

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone:	Email: [REDACTED]
Occupation/Position: [REDACTED]	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

Last Name: [REDACTED]	First Name: [REDACTED]
Phone:	Email: [REDACTED]
Occupation/Position: [REDACTED]	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

Last Name: Erbeck	First Name: Tracy
Phone: +1 206 543-9264	Email: tab67@uw.edu
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:

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 permanant fix for the system is underway			
Corrective Actions Target Date (yyyy/mm/dd): 2020/03/20		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 1/28			



University of Washington Accident / Incident Report

Report Number: 2020-01-104

Contact EH&S at 206-543-7262

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone:	Email: [REDACTED]
Occupation/Position: [REDACTED]	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

Last Name: [REDACTED]	First Name: [REDACTED]
Phone:	Email: [REDACTED]
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

Last Name: Yang	First Name: Jihui
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.			
Corrective Actions Target Date (yyyy/mm/dd): 2020/02/07		Corrective Actions Complete Date (yyyy/mm/dd):	
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

<http://www.washington.edu/maps/>

Agenda Item	Lead	Process	Time
Call to Order and Introductions	Liz Kindred, 2018-19 Co-chair	Robert's Rules of Order	10 min
Welcome	EH&S –Erin McKeown		10 min
Election of chair and co-chairs for 2020-21 term	EH&S – Erin McKeown	Nominations and vote	5 min
2020-21 Meeting terms: time, day, location, meeting length	EH&S – Erin McKeown	Nominations and vote	5 min
Organizational Group Reports*	Committee members	Discussion	25 min
Union Reports	Union representatives	Discussion	10 min
Ex-Officio Reports	Ex-Officio members	Discussion	10 min
EH&S Updates	<ul style="list-style-type: none">LNI Update – Erin McKeownGeneral 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.