

Agenda – September 28th, 2021
Group 9 (College of Engineering) Health and Safety Committee

1. Attending

Derrick Van Kirk or Carter Beamish, AA
Colleen Irvin, BioE
Michael Brett, CEE
Michael Pomfret, CEI
Kameron Harmon, ChemE
M. Glidden, CoE DO
Alex Lefort or Adrian Dela Cruz, CSE
Ary Prasetyowati, ECE

S. Honeydew or Erin McKeown, EH&S
Stacia Green, HCDE
Sheila Prusa or Neelu Rajvanshi, ISE
Dzung Tran or Bill Kuykendall, ME
John Young or M. Weaver, MoES/NanoES
Tatyana Galenko or Sean Krewson, MSE
N. Shane Patrick or Maria Huffman, WNF

2. Previous Meeting Minutes

- August 2021 – approve? Corrections/additions?
- Minutes posted at <https://www.engr.washington.edu/mycoe/safety#> and safety boards.

3. Department Incident Reports (use “5 Why’s” analysis for one report)

- All OARS reports may also be found on Tableau while on the UW network via this link: <https://bitools.uw.edu/#/site/Transitional/projects/573>.
- ECE @ EEB (#2021-06-012) – Cut hand on aluminum in vivarium. Tabled from last meeting.
- ChemE @ MoES/NanoES (#2021-06-023) – Shattered glass vial in hand. Tabled from last meeting.
- CSE @ Gates Center (#2021-07-075) – Foot injury during delivery receiving. Tabled from last meeting.
- ME @ MoES/NanoES (#2021-08-003) – Electro-plating spill on forearm.
- CEE @ More Hall (#2021-08-030) – Acid fume burn to eye.
- WNF @ Fluke Hall (#2021-08-045) – Splash of gel on face and lab coat from over-pressurized vessel.
- BioE @ Foege (#2021-08-055) – Fall less than 6' from unknown back pain.

4. Group Business

- All Group 9 documents transferred to OneDrive. Discuss outdated documents.
- Tracy Harvey has agreed to present on decommissioning/moving labs for us next month. Are there specific questions you would like her to touch on?
- Are any voting representatives currently/planned to be appointed?
- Continue Zoom meetings or change to in-person meetings?

5. UW-Wide Meeting

- August minutes attached.
- September agenda attached. Meeting highlights will be presented by Sheila Prusa:
 - Katia Harb gave the COVID-19 update:
 - New Public Health Dashboard: <https://www.ehs.washington.edu/covid-19-prevention-and-response/covid-19-health-and-safety-resources>
 - Unvaccinated people are 30% more likely to die than vaccinated people.
 - 90% of students and 90% of faculty/staff are fully vaccinated.
 - Deadline from state to report vaccination attestations or exemptions is October 18th, 2021.

- If you have not already done so, please activate and use Washington Exposure Notification app to support our contact tracing efforts:
<https://wanotify.uw.edu/>
- UW students or employees reporting positive COVID-19 test result, close contact exposure, or related issue, please email covidehc@uw.edu or call 206.616.3344.
- Bill Steele and Gabriel Lotto presented on Shake Alert. The system does not predict earthquakes, but it does notify users within seconds of an event so they can take action. Gave several examples about how this can help protect life, property, and utilities. If interested in learning how it may help your unit, contact the presenters.
- The Great Shake Out is 10/21/2021 at 10:21 AM. It is always the 3rd Thursday in October. UW has participated since 2009 and there are over 800,000 participants in Washington. Everyone should take the opportunity to Drop, Cover, and Hold as muscle memory can be a great aid in times of emergency. More information on the Emergency Management Website.
- The number one most deadly incident in Washington State was the recent heat bubble. It has killed more people than earthquakes have.

6. Member Updates

Next Meeting: October 26th at 2pm, via Zoom

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

Meeting Date: August 31st, 2021 (via Zoom)

Attended

Carter Beamish, AA
Derrick Van Kirk, AA
Colleen Irvin, BioE
Michael Pomfret, CEI
Alexander Lefort, CSE
Ary Prasetyowati, ECE

Sonia Honeydew, EH&S
Jane Skau, HCDE
Jennifer Tsai, ISE
Dzung Tran, ME
John Young, MoIES/NanoES
Tatyana Galenko, MSE
N. Shane Patrick, WNF

Absent

Michael Brett, CEE
Kameron Harmon, ChemE

Michael Glidden, CoE DO

Previous Meeting Minutes

- July 2021 – minutes approved pending the following corrections:
 - Pending confirmation from Kameron, change “three machines” to “three DI water work stations” in incident #2021-06-055 review.
- 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 and inform employees of the name of their rep.

Incident Reports

- ECE (#2021-06-012) - Ary has not yet connected with the lab. This has been tabled until next meeting.
- ChemE (#2021-06-023) - John Young has had difficulty getting in touch with the lab in question. John will be connecting with Kameron to facilitate communication. This is tabled to next meeting.

DRAFT Meeting Minutes

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

- MSE (#2021-06-055) – The DI water system is now completely shut down and inactive and the water supply valve to the machine shut off. As the lab has since closed, for reasons unrelated to this incident, the system now falls under departmental control. There is confirmed water damage in some of the rooms affected by the leak, but the department is still working out who will be paying for this due to the nature of the install. Sonia suggests that any drywall and carpet should be changed out as soon as possible to mitigate health hazards. This incident has been closed.
- BioE (#2021-07-022) – There is a container below the counter that collects waste solution from the peptide synthesis machine in question, but it seems that, due to the positioning of the tube as it runs below the counter to the waste container, someone accidentally pinched the tube between the counter and something they had set down. There is a secondary tube that should only be used in case of emergency, but unfortunately, there was no tank installed at the end of it which meant that the solution drained directly onto the counter top. The users didn't know about this until they started smelling something. The lab has since connected with the company for help. Apparently, the initial installer temporarily sent the emergency line to the hood sink, but the company stated that this was incorrect and a tank must always be attached. A tank has since been added to the emergency waste line. The waste turns a bright orange when it combines, so this should be very visible if this ever happens again. Additionally, a max fill line was also added to both containers and lab members must check to ensure there's enough head room on a regular basis. An exercise in five why's was done:
 - Why was there a strange smell? Because the peptide synthesis machine began to leak waste solution onto the counter.
 - Why did the machine begin to leak? Because the emergency line was not hooked up to a tank.
 - Why was the emergency line not hooked up to a tank? Installer missed this step of install.
 - Why was emergency line in use in the first place? A kink was formed in the general waste line from the machine.
 - Why was there a kink in the waste line of the machine? A student did not look to see where they were placing an item on the counter, which then pressed against the line, causing the kink.

This incident has been closed.

DRAFT Meeting Minutes

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

- CSE (#2021-07-075) – When receiving the delivery of 6x6 lumber, the user was asked to help the delivery driver offload the pallet. The user was wearing only sneakers and no protective foot wear. While assisting, the driver pushed the pallet over the lab user's foot, causing a bruising to the bone which was caught when the user went to seek medical attention at a nearby clinic. Alex noted that this delivery did not follow proper protocol, in which any deliveries should be coordinated through the CSE Operations Team. Alex mentioned that it is possible that lab users had forgotten protocol in the long absence since work-from-home directives had begun. This has since been reiterated to the lab and their new lab manager, who should also be able to take on these deliveries. The committee suggested that a sign would be useful to install on one of the breeze-way columns to remind labs to contact Operations to coordinate deliveries. It was also noted that the request in the report for PPE to be provided does not seem feasible/useful. Steel-toe shoes would need to be fit to specific lab members and could not be shared, and since it is not proper procedure for lab members to receive shipments in the first place, these shoes are unnecessary. Alex will work with Operations on the potential of installing a sign in the breezeway. This incident is tabled to next meeting to review follow-up.
- BioE (#2021-07-080) – User attempted to place the cap back on a needle to set down on the desk and re-use for a second time with the same needle when they missed the cap and jabbed themselves instead. The user has since been advised to follow procedure to use forceps whenever removing needle caps and to not retain the cap once removed. This is generally only an issue with a few newer lab members and is quickly rectified by more experience. This incident has been closed.

Group Business

- New platform for Group 9 documents, packets, and minutes:
 - Due to the changing contract between the UW and Google, there will likely be heavier restrictions on the usage of Google Drive. A new platform on which to store HSC Group 9 documents will thus need to be chosen.
 - Sharepoint and One Drive were each recommended by committee members as our new platform. A vote was conducted for which One Drive won unanimously. One Drive will now be our new Group 9 document platform.
 - Alex will begin migration of documents, invite members to drive, and pull outdated documents into a separate 'archived' folder to discuss which should be kept at the next meeting.
- Any ideas for speakers to invite to next meeting?

DRAFT Meeting Minutes

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

- At the suggestion of Sonia, committee members are interested in inviting Tracy Harvey to speak on decommissioning/moving labs, as resources and guidelines for this have recently changed.

UW-Wide Meeting

- Sheila and Stacia shared updates from the UW-Wide meeting:
 - COVID-19 Updates:
 - Cases are increasing again. On campus this is mostly in students contracting it from off-campus activities.
 - Increase in people getting tested.
 - Restrictions and rules are bound to go up and down, taking a multiple strategy approach.
 - Expect even more cases going into fall.
 - The University continues to encourage everyone to get vaccinated ahead of the fall quarter deadline for required vaccinations/Exemptions.
 - Remember to report any exposures to EH&S and be sure to get tested.
 - Under review currently:
 - Face coverings policy
 - Vaccination policy/implementation
 - Testing program
 - Everyone is to get tested when coming back to campus, despite vaccine status.
 - Those not vaccinated will continue to be tested weekly.
 - Webinar for administrators with updated info should be out by end of August.
 - Events guidance.
 - Remember to update your COVID-19 Prevention Plans.
 - Facilities is checking through ventilation and plumbing systems.
 - A presentation was done on the Safe Zone app by UW Police:
<http://police.uw.edu/services/safe-zone-app/>
 - Workers Comp 2020 Report: 49% of L&I claims had time lost.
 - EH&S Updates:
 - New cleaning and decontamination protocol form (Surplus items are not being cleaned properly):

DRAFT Meeting Minutes

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

- <https://www.ehs.washington.edu/resource/notice-cleaning-and-decontamination-form-updated-81021-154>

Department Updates

- BioE – Worked with Health Sciences building management and the building looks to remain locked for the foreseeable future. Masters students are coming back next week. The department is getting ready for their return, as well as the return of the rest of the general student body.
- EH&S – No updates, but want to ensure that AA knows that, since the previous representative was elected, another election will need to be held for the new representative. Sonia mentioned Heather Wilson has a great Catalyst form for conducting one and Derrick and Sonia will be touching base after the meeting.
- MSE – Preparing for student returns. Tatyana noted that the lab involved with the DIY DI water station report (#2021-06-055) are no longer active. The incident did not occur while they were shutting down the lab and the shut down is not related to the incident.

Adjournment

- Adjourned at 2:58 PM.

Next Meeting

- September 28th, 2021 at 2:00 PM via Zoom.



Report Number: 2021-06-012

Contact EH&S at 206-543-7262

Person Reporting Incident

Occupation / Position: **RESEARCH SCIENTIST/ENGINEER 2 (E S 7)**

Date Reported (mm/dd/yyyy) : **06/04/2021**

Department: **ENG: Electrical & Computer Engineering Orsborn Lab**

Time Reported: **12/30/1899 4:19:22 PM**

Person Involved or Affected

Department: **ENG: Electrical & Computer Engineering Orsborn Lab**

Incident Details

Campus: **Seattle**

Date of Incident (mm/dd/yyyy) : **06/04/2021**

Incident Location:

Time of Incident: **12/30/1899 2:00:00 PM**

Room: **I-561**

Other: **HSB, I-561**

Incident Summary: **dirty aluminum equipment cut knuckle through two nitrile gloves, in vivarium**

Supervisor

Full Name: **Amy Orsborn**

Phone: **2066162049**

Occupation / Position:

Email: **aorsborn@uw.edu**

Department: **ENG: Electrical & Computer Engineering**

Classification

Injury requiring first aid

Has Attachement(s):

Type of Incident

Injury Description (none, if no injury/exposure): **Cut, Laceration, Puncture, Scratch, Abrasion (Open Wound)**

Body Parts Affected (none, if no injury/exposure): **Fingers**

Cause of Injury/Damage, or Potential Injury/Damage: **Broken Glass, Splinter, Sharp Furniture Edge, etc.; Non-human Primates**

Slip/Trip/Fall InformationSlip: **None**Trip: **None**Fall From Same Level: **None**Fall From Elevated Height: **None**Stairs: **None****Contributing Factors**Equipment: **None**Environment: **None**Policies / Procedures: **None**Human Factors: **None****Suggested Corrective Actions by Affected Party**Suggested Corrective Actions: **Change/review work procedures****When handling sharp metal pieces in the vivarium, thicker nitrile gloves or kevlar gloves should always be used in the future.****Supervisor's Comments**Root Causes: **The primary cause of this incident was not wearing additional gloves when working with sharp pieces of equipment in the animal space.**Recomendations / Preventive Measures: **All lab personnel will be required to wear Kevlar or similar thicker gloves when working with tools that have increased risk of even minor skin abrasions.**Other Comments: **All lab personnel have been informed of the new PPE policy. Glove supplies were checked to assure they are readily available for all personnel.**Corrective Actions Target Date (mm/dd/yyyy) : **06/09/2021**Corrective Actions Complete Date (mm/dd/yyyy) : **06/09/2021****EH&S Comments****fwd: Judy Cashman, Eleanor Wade, Zara Llewellyn, Melinda Young. Not a BBP exposure.**



Report Number: 2021-06-023

Contact EH&S at 206-543-7262

Person Reporting Incident

Occupation / Position: **Postdoctoral Sholar (E S UAW Postdoc)**

Date Reported (mm/dd/yyyy) : **06/11/2021**

Department: **Unspecified**

Time Reported: **12/30/1899 4:07:52 PM**

Person Involved or Affected

Department: **ENG: Chemical Engineering-Faculty**

Incident Details

Campus: **Seattle**

Date of Incident (mm/dd/yyyy) : **06/10/2021**

Incident Location: **MOLECULAR ENG BLDG**

Time of Incident: **12/30/1899 6:00:00 PM**

Room: **140**

Other:

Incident Summary: **As unscrewed cap, neck of glass vial shattered, cutting palm through standard lab PPE.**

Supervisor

Full Name: **Hugh Hillhouse**

Phone: **=+1 206 685-5257**

Occupation / Position:

Email: **h2@uw.edu**

Department: **ENG: Chemical Engineering-Faculty**

Classification

Injury requiring first aid

Has Attachement(s):

Type of Incident

Injury Description (none, if no injury/exposure): **Cut, Laceration, Puncture, Scratch, Abrasion (Open Wound)**

Body Parts Affected (none, if no injury/exposure): **Hands, Wrists**

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

Slip/Trip/Fall InformationSlip: **None**Trip: **None**Fall From Same Level: **None**Fall From Elevated Height: **None**Stairs: **None****Contributing Factors**Equipment: **None**Environment: **None**Policies / Procedures: **None**Human Factors: **None****Suggested Corrective Actions by Affected Party**Suggested Corrective Actions: **Provide PPE**

This was a freak accident - no one expects their vial to break when they attempt to unscrew the cap. This sort of event is very difficult to guard against even when using standard lab PPE, as I was at the time. It may be helpful to keep a pair of cut-resistant gloves on hand for people to use if they encounter any abnormal resistance when attempting to cap or uncap a vial.

Supervisor's Comments

Root Causes:

Recomendations / Preventive Measures:

Other Comments:

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

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

EH&S Comments

fwd: Tracy Harvey, Eleanor Wade



Report Number: 2021-07-075

Contact EH&S at 206-543-7262

Person Reporting Incident

Occupation / Position: **RESEARCH SCIENTIST**

Date Reported (mm/dd/yyyy) : **07/27/2021**

Department: **ENG: Computer Science & Eng - Srinivasa**

Time Reported: **08:02 AM**

Person Involved or Affected

Department: **ENG: Computer Science & Eng - Srinivasa**

Incident Details

Campus: **Seattle**

Date of Incident (mm/dd/yyyy) : **05/11/2021**

Incident Location: **Bill & Melinda Gates Center for Computer Science &**

Time of Incident: **11:45 AM**

Room:

Other:

Incident Description: **Employee was receiving lumber delivery in running shoes. Deliverer pushed pallet of lumber over employee's toe, causing bone bruise.**

Supervisor

Full Name: **Byron E Boots**

Phone:

Occupation / Position:

Email: **bboots@uw.edu**

Department: **ENG: Computer Science and Engineering**

Classification

Injury requiring first aid

Has Attachement(s):

Type of Incident

Injury Description (none, if no injury/exposure): **Bruise, Contusion**

Body Parts Affected (none, if no injury/exposure): **Feet, Ankles, Toes**

Cause of Injury/ Damage or Potential: **Contact with Object: Rumped into Something**

Damage, or Potential Contact with Object. Dropped into something
Injury/Damage:

Slip/Trip/Fall Information

Slip: **None**

Trip: **None**

Fall From Same Level: **None**

Fall From Elevated Height: **None**

Stairs: **None**

Contributing Factors

Equipment: **None**

Environment: **None**

Policies / Procedures: **None**

Human Factors: **None**

Suggested Corrective Actions by Affected Party

Suggested Corrective Actions: **Provide PPE**

Supervisor's Comments

Root Causes:

Recomendations / Preventive Measures:

Other Comments:

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

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

EH&S Comments

fwd: Tracy Harvey, Eleanor Wade



Report Number: 2021-08-003

Contact EH&S at 206-543-7262

Person Reporting Incident

Occupation / Position: ASSISTANT PROFESSOR Date Reported (mm/dd/yyyy): 08/03/2021
Department: ENG: Mechanical Engineering Time Reported: 11:46 AM

Person Involved or Affected

Department: ENG: Mechanical Engineering

Incident Details

Campus: Seattle Date of Incident (mm/dd/yyyy): 07/30/2021
Incident Location: NANOENGINEERING BLDG Time of Incident:
Room: 290
Other:

Incident Description: Minor chemical spill of an electroplating solution while pouring into a waste disposal beaker. While pouring, some solution ran over the edge of the vessel and onto the student's gloves then arm. Student was wearing proper PPE (labcoat, gloves, eyeglasses). Student followed MSDS and ran water over arm then washed with soap.

Supervisor

Full Name: Lucas Meza Phone: +=1 206 543-5288
Occupation / Position: Email: lmeza@uw.edu
Department: ENG: Mechanical Engineering

Classification

Injury or Exposure to a Hazard -- no first aid required

Has Attachment(s): Yes

Type of Incident

Injury Description (none, if no injury/exposure): None
Body Parts Affected (none, if no injury/exposure): Arms
Cause of Injury/ Damage, or Potential Injury/Damage: Chemicals

Slip/Trip/Fall Information

Slip: None
Trip: None
Fall From Same Level: None
Fall From Elevated Height: None
Stairs: None

Contributing Factors

Equipment: None
Environment: None
Policies / Procedures: None
Human Factors: None

Suggested Corrective Actions by Affected Party

Suggested Corrective Actions: Other
We will use a different containment vessel for the electroplating solution to one with a spout that can be poured out more easily.

Supervisor's Comments

Root Causes: Equipment

Recommendations / Preventive Measures: Will change equipment to minimize risk of spills.

Other Comments: We have switched to a smaller beaker for the time being. We will be building a new mounting setup for the chips in the future, but will be sure that the waste can be easily disposed of in whatever setup we use.

Corrective Actions Target Date (mm/dd/yyyy): 08/06/2021 Corrective Actions Complete Date (mm/dd/yyyy): 08/13/2021

EH&S Comments



Report Number: 2021-08-030

Contact EH&S at 206-543-7262

Person Reporting Incident

Occupation / Position: ASSISTANT PROFESSOR
 Date Reported (mm/dd/yyyy): 08/12/2021
 Department: ENG: Civil and Environmental Engineering
 Time Reported: 10:39 AM

Person Involved or Affected

Department: ENG: Civil and Environmental Engineering

Incident Details

Campus: Seattle
 Date of Incident (mm/dd/yyyy): 08/11/2021
 Incident Location:
 Time of Incident:
 Room:
 Other: More Hall, Room 318

Incident Description: Student(XXXXXX) was working with 100 mM oxalic acid in a fume hood. XXXXXXX took off her safety goggles and looked at a bottle filled with the acid from the outside of the fume hood and reported that her left eye hurt and was red. After trying to wash her eye and still feeling some discomfort, XXXXXXX went to Harborview Hospital on 8/11 and saw an eye doctor. The doctor prescribed artificial tears to use for a week as she did not have direct contact with the acid. This morning (8/12), XXXXXXX went back to the emergency room after noting eye discomfort again.

Supervisor

Full Name: Michael Gomez
 Phone:
 Occupation / Position: GRADUATE RESEARCH STUDENT ASSISTANT
 Email: mggomez@uw.edu
 Department: ENG: Civil and Environmental Engineering

Classification

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

Has Attachment(s):

Type of Incident

Injury Description (none, if no injury/exposure): Burn (Thermal, Chemical, Electrical); Eye or Vision Issues
 Body Parts Affected (none, if no injury/exposure): Eyes
 Cause of Injury/ Damage, or Potential Injury/Damage: Chemicals; Ventilation, Indoor Air Quality Issues

Slip/Trip/Fall Information

Slip: None
 Trip: None
 Fall From Same Level: None
 Fall From Elevated Height: None
 Stairs: None

Contributing Factors

Equipment: None
 Environment: None
 Policies / Procedures: None
 Human Factors: None

Suggested Corrective Actions by Affected Party

Suggested Corrective Actions: Submit request for maintenance/repair

Maintain PPE at all times. PPE was provided but not used during this incident. Given that the acid was in the fume hood, there does not appear to be proper ventilation (not clear how her eye was exposed).

Supervisor's Comments

Root Causes: PPE issue. Possible fume hood ventilation issue.

Recommendations / Preventive Measures: Use PPE during all lab work. Evaluate fume hood for possible ventilation issues.

Other Comments: Please update me on how this will be addressed. Thank you.

Corrective Actions Target Date (mm/dd/yyyy): 08/13/2021
 Corrective Actions Complete Date (mm/dd/yyyy):

EH&S Comments



Report Number: 2021-08-045

Contact EH&S at 206-543-7262

Person Reporting Incident

Occupation / Position: RESEARCH SCIENTIST/ENGINEER 4 (E S 9) Date Reported (mm/dd/yyyy): 08/19/2021
 Department: ENG: Collaboration Core - WNF Staff Time Reported: 02:43 PM

Person Involved or Affected

Department: ENG: Collaboration Core - WNF Staff

Incident Details

Campus: Seattle Date of Incident (mm/dd/yyyy): 08/19/2021
 Incident Location: FLUKE HALL Time of Incident: 01:00 PM
 Room: 125F
 Other:

suit when it became over pressurized and an inline filter disconnected. No contact with eyes thanks to glasses. User reported incident to his institutional supervisor and then flushed skin that was directly exposed with plenty of water, and then went to Hall Health for evaluation.

Incident Description: Hall Health concluded the user was fine and no further first aid was needed. User has an appointment with a doctor tomorrow for assessment and blood work.

Contaminated cleanroom suit was bagged and stored in a 5-gallon bucket and labeled as spill waste along with cleanup debris. Another employee of the user's institution cleaned up the hood area and tested for the presence of lead in and around the hood, using a chelation agent to decontaminate surfaces per the SOP for working with this material.

Supervisor

Full Name: Nicholas S Patrick Phone: =+1 206 221-1045
 Occupation / Position: Email: patricns@uw.edu
 Department: ENG: Collaboration Core - WNF Staff

Classification

Injury requiring first aid

Has Attachment(s): Yes

Type of Incident

Injury Description (none, if no injury/exposure): Poisoning by Substance; Rash, Eczema, Dermatitis, Other Skin Condition

Body Parts Affected (none, if no injury/exposure): Face; Body Systems: Organs, Nervous System, Respiratory, etc.

Cause of Injury/ Damage, or Potential Injury/Damage: Chemicals; Splash

Slip/Trip/Fall Information

Slip: None
 Trip: None
 Fall From Same Level: None
 Fall From Elevated Height: None
 Stairs: None

Contributing Factors

Equipment: None
 Environment: None
 Policies / Procedures: None
 Human Factors: None

Suggested Corrective Actions by Affected Party

Suggested Corrective Actions: Change/review work procedures

Change syringe type from Luer Slip to Luer Lock to help prevent filter from coming loose when pressurized
 Change filter size from 0.1microns, which clogs too easily, to a more reasonable 0.22microns.

Supervisor's Comments

Root Causes: Luer slip fittings offer less protection against pressure or accidental release. Filter pore size too small for work needs, resulting in higher rate of clogging and likelihood of pressurization. Applying too much force to plunger rather than stopping to assess state of filter and syringe. SOP does not include instructions on handling material dispensing via syringe. Insufficient training on recognizing a clogged filter and how much force is too much

Recommendations / Preventive Measures: Replace luer slip syringes with luer lock versions. Replace 0.1micron filters with 0.22micron filters. Update/create SOP to include handling information for working with this material in syringes Provide training on working with syringes for gel dispensing and recognizing a clogged filter and excessive force.

Other Comments:

Corrective Actions Target Date (mm/dd/yyyy): 09/20/2021 Corrective Actions Complete Date (mm/dd/yyyy):

EH&S Comments



Report Number: 2021-08-055

Contact EH&S at 206-543-7262

Person Reporting Incident

Occupation / Position: **RESEARCH SCIENTIST/ENGINEER-SENIOR** Date Reported (mm/dd/yyyy): **08/26/2021**
 Department: **SOM: Bioengineering: Dr. Stayton Lab** Time Reported: **07:09 PM**

Person Involved or Affected

Department: **SOM: Bioengineering: Dr. Stayton Lab**

Incident Details

Campus: **Seattle** Date of Incident (mm/dd/yyyy): **07/30/2021**
 Incident Location: **W.H. FOEGE BIOENG** Time of Incident: **12:30 PM**
 Room: **N509C**
 Other:

Incident Description: **I was working in the wet lab near the north fume hood in N509C. I dropped a bottle cap on the floor. When I bent down to pick it up, I experienced sharp, acute pain in my lower back. Immediately, I tried to walk back to my office but I stumbled and fell on the floor. I couldn't move my right leg for about 10 minutes. My co-workers, XXXXXXXX and XXXXXXXX, lifted me up from the floor and put me on an office chair that had wheels and rolled me to my office.**

Supervisor

Full Name: **Patrick Stayton** Phone: **=+1 206 685-0163**
 Occupation / Position: Email: **stayton@uw.edu**
 Department: **SOM: Bioengineering**

Classification

Injury involving lost work days

Has Attachment(s):

Type of Incident

Injury Description (none, if no injury/exposure): **Pain, Irritation, Inflammation, Swelling; Sprain, Strain, Twist**
 Body Parts Affected (none, if no injury/exposure): **Back; Legs**
 Cause of Injury/ Damage, or Potential Injury/Damage: **Fall of Less than 6', or on Stairs**

Slip/Trip/Fall Information

Slip: **None**
 Trip: **None**
 Fall From Same Level: **While walking**
 Fall From Elevated Height: **None**
 Stairs: **None**

Contributing Factors

Equipment: **None**
 Environment: **None**
 Policies / Procedures: **None**
 Human Factors: **None**

Suggested Corrective Actions by Affected Party

Suggested Corrective Actions: **Change/review work procedures**

Supervisor's Comments

Root Causes: **This seems to be a problem of balance and physical state of XXXXXXXX - I am not a doctor and can't identify the root cause.**

Recommendations / Preventive Measures: **XXXXXXXX is receiving medical care and physical therapy. They will have to guide the recommendations.**

Other Comments:

Corrective Actions Target Date (mm/dd/yyyy): **08/26/2021** Corrective Actions Complete Date (mm/dd/yyyy): **08/26/2021**

EH&S Comments

U-WIDE HEALTH AND SAFETY COMMITTEE

8/11/2021 Meeting Minutes | 1:00 p.m. - 2:30 p.m. |

Elected Member*		Appointed Member*		Faculty Senate Member*	
<input checked="" type="checkbox"/>	Ryan Hawkinson (1)	<input checked="" type="checkbox"/>	Mark Pekarek (2)	<input type="checkbox"/>	Ian Bennett
<input checked="" type="checkbox"/>	Carmen Parisi (1)	<input checked="" type="checkbox"/>	Kurt Oglesby (3)		
<input type="checkbox"/>	Erick Rostad (2)	<input type="checkbox"/>	Beth Hammermeister (4)	Labor Union Member*	
<input checked="" type="checkbox"/>	Tony Colinares (3)	<input checked="" type="checkbox"/>	Liz Kindred, Vice-chair (5)	<input checked="" type="checkbox"/>	Paula Lukaszek, WFSE Local 1488
<input checked="" type="checkbox"/>	Christine Aker (4)	<input checked="" type="checkbox"/>	David Zuckerman (10)	<input type="checkbox"/>	Vacant, UAW 4121
<input type="checkbox"/>	Michael Sage (5)			<input checked="" type="checkbox"/>	Ann Aumann, SEIU 925
<input checked="" type="checkbox"/>	Eric Camp (6)			<input type="checkbox"/>	Amanda Clouser, UAW 4121
<input checked="" type="checkbox"/>	Tamara Leonard (6)				
<input checked="" type="checkbox"/>	Martin Arroyo (7)			Proxy*	
<input checked="" type="checkbox"/>	Alexa Russo (7)			<input checked="" type="checkbox"/>	Stacia Green (9)
<input checked="" type="checkbox"/>	Wade Haddaway (8)				
<input checked="" type="checkbox"/>	Christopher Barrett (8)	<input checked="" type="checkbox"/> = attended meeting * = voting members 13 = voting members for quorum			
<input type="checkbox"/>	Alexander Lefort (9)				
<input checked="" type="checkbox"/>	Sheila Prusa (9)				
<input type="checkbox"/>	David Warren (10)				
Ex-Officio Member		Ex-Officio Member		Env. Health & Safety Member	
<input type="checkbox"/>	Tracey Mosier, UWF	<input checked="" type="checkbox"/>	Rick Gleason, DEOHS	<input checked="" type="checkbox"/>	Katia Harb
<input checked="" type="checkbox"/>	Chris Pennington, UWF	<input checked="" type="checkbox"/>	Felicia Foster, AGO	<input checked="" type="checkbox"/>	Denise Bender
<input type="checkbox"/>	Steve Charvat, UWEM	<input checked="" type="checkbox"/>	Nancy Gwin, AGO	<input checked="" type="checkbox"/>	Erin McKeown
<input checked="" type="checkbox"/>	Barry Morgan, UWEM	<input checked="" type="checkbox"/>	Ken Nielsen, Risk Services	<input checked="" type="checkbox"/>	Sonia Honeydew
<input type="checkbox"/>	Lt. Chris Jaross, UWPD	<input type="checkbox"/>	Susan Wagshul-Golden, UWT	<input type="checkbox"/>	Jenna Gravley
		<input checked="" type="checkbox"/>	Allyson Long, UWB	<input checked="" type="checkbox"/>	Tracy Harvey
Guest				<input type="checkbox"/>	Alex Hagen
<input checked="" type="checkbox"/>	Officer Simon Phillips, UWPD				
<input checked="" type="checkbox"/>	Jason Goodrich, CriticalArc				

Agenda

1. **Attendance/Quorum**
2. **Call to Order**
3. **Approval of July Meeting Minutes**
4. **COVID-19 Update**
5. **SafeZone**
6. **2020 Claims Review**
7. **Organizational Group Reports and Election Updates**
8. **Union Reports**
9. **Ex Officio Reports**
10. **EH&S Updates: L&I and General**
11. **Good of the Order**
12. **Adjourn**

Minutes by Sonia Honeydew

The meeting was conducted on Zoom to adhere to COVID-19 pandemic protocols per guidance from the Washington State Dept of Health, and the CDC. The meeting was recorded.

1. **Attendance/Quorum**

Sonia verified that attendance was counted, and quorum was met.

2. **Call to Order**

U-Wide Chair Carmen Parisi called the meeting to order with a land acknowledgement and reminder of Zoom voting process.

3. **Approval of July Meeting Minutes**

Carmen facilitated a vote and June meeting minutes were approved without any changes.

4. **COVID-19 Update**

Katia started with the COVID-19 case update. Since mid-July, cases are increasing. This is primarily due to the more transmissible delta variant. Most UW cases are students exposed during off-campus activities. The overwhelming majority of hospitalized cases are unvaccinated; vaccines are highly effective at preventing serious illness in breakthrough cases. The pandemic is unpredictable, and we expect COVID precautions to be part of the next school year. U.S. cases expected to increase through mid-September. Of UW student and employee vaccine attestations completed so far, more than 90% indicate full vaccination.

Katia explained that current policy and procedures employ a multiple layer strategy, including *vaccination, staying home if symptomatic (and reporting illness and exposure to EH&S, and getting tested), wearing face coverings*, practicing good hygiene, following distancing recommendations when possible, cleaning and ventilation of facilities, education, communication, and COVID



prevention plans. A face covering policy update is expected by the end of this week. Two days ago, the governor proclaimed vaccinations are required for state agency employees, exempting higher education but including healthcare workers and healthcare facility employees. Our healthcare employee attestation will be updated. We are developing our final testing plan with the Husky Coronavirus Testing Program (HCTP), including return to campus testing for all, walk-in testing, and weekly testing for unvaccinated individuals.

For contact tracing, the updated guidance regarding exposure of a fully vaccinated individual is that they are not required to quarantine if they have no symptoms, but testing is now recommended. Continue to report all COVID-19 positive tests and close contact exposures to EH&S regardless of vaccination status. UW is scaling back up the contact tracing program.

Katia described the increased Return-to-Workplace planning. As many people are returning to campus for the first time since the pandemic started, EH&S will offer COVID-19 Prevention in the Workplace webinars to managers and administrators August 30th and 31st. Karen Crow will email Administrators via HR with a link to register for the webinars. EH&S continues to update guidance documents and procedures, such as the [COVID-19 Prevention Plan](#), [COVID prevention training, events guidance](#), [guidance for eating and drinking spaces](#), and [FAQs](#). See the [COVID-19 Prevention and Response](#) page for the latest updates. Personnel are not required but welcome to retake the updated UW COVID prevention training. Do remember to update your site-specific COVID-19 Prevention Plans and train your staff on those. Send questions to covidehc@uw.edu.

Erin asked whether the COVID Prevention Plan template will be revised again. Katia said yes, probably next week. Because face covering policies and isolation/quarantine guidance will ebb and flow, the prevention plan will refer to those landing pages for the current policy.

Christine asked if personnel who are returning to campus should get tested now? Katia answered yes, and they'll receive invitations if they're enrolled in HCTP.

Paula asked whether UW is considering applying the governor's healthcare worker vaccine mandate to remaining UW employees. Katia answered that University leadership is reviewing that to determine whether UW will eliminate the philosophical exemption and require proof rather than attestation of vaccination. We can expect an update in the next few weeks.

David Zuckerman asked where to submit vaccination attestation PDFs (completed by personnel without access to Workday). Katia answered that those should be held by the direct supervisor or the departmental/unit HR person (if so designated), but not central HR. They are considered confidential, and the retention period is six years, as spelled out in the vaccine policy online.

Paula asked how many buildings have had their water tested? Denise answered that each building must pass plumbing tests (pH, chlorine, and temperature) before reopening. This verifies the effectiveness of the water flushing that was done daily since the pandemic started. A building that fails its plumbing tests is flushed and tested a second time; if it fails, tests will be verified using a

certified laboratory and design mitigations will be implemented. Most of the buildings have passed the first testing. The union requested the results of the water testing; the data is being prepared for Labor Relations.

5. SafeZone

Officer Simon Phillips of UWPD and Jason Goodrich of CriticalArc described [SafeZone](#), a public safety app available to personnel on UW Seattle campus. Download the app with UW single sign-on credentials. The SafeZone app enables you to call for assistance directly to UWPD dispatch, giving you a faster response than a cell phone call to 911 routed through Seattle dispatch back to UWPD. The app has an information button, a medical button, and an emergency button.

It also has a “Check In” feature that shares your position with UWPD dispatch. This is useful when working in a less occupied area or at a less populated time, e.g. when working alone in a lab or walking to your car late at night. If you choose to set a timer on your check-in, and the timer runs out without you cancelling it, UWPD will come check on you.

SafeZone only works within the UW Seattle Campus geofence; you’re automatically checked out when you leave the Seattle Campus geofence unless you’ve hit the emergency button. The only time information is provided to UWPD is when you check in or hit the emergency button.

At other universities SafeZone has been used to track room/facility usage, to identify where additional cleaning was necessary, to check on personnel who enter closed buildings, and to assist with contact tracing. At UW, Hall Health has installed indoor positioning in their building, so that UWPD can locate people on each floor.

Officer Phillips (engagePD@uw.edu) tested the medical and emergency buttons this morning and found that the alerts appeared on the dispatch screen less than four seconds after activation on a cell phone. Also, Hall Health tested their fixed panic button, which appeared on dispatch screens within three seconds, including the location within Hall Health.

SafeZone is another tool in your safety/security toolbox, alongside UW Alert, Husky NightWalk, Husky NightRide, and other safety programs that work together. Also, as we return to campus, remember the Three A’s of Safety: Awareness, Assessment, and Action.

6. 2020 Claims Review

Ken Nielsen presented the update on 2020 workers compensation claims and trend information, addressed the importance of returning injured workers to the workplace, and provided insights on how to help UW achieve better results.

Washington workers compensation is legislated. Labor & Industries (UW’s insurer) judges and pays claims. UW’s Claim Services provides oversight and coordinates return to work.



There was an increase in the total number of claims in 2020, and 49% of them were time loss claims. The ratio of time loss to “medical only” claims were much higher in 2020 than the past five years. This is because COVID-19 claims were time loss claims for recovery or quarantine time. Per usual, 74% of time loss was paid out of the hospitals, mostly for stress on the body, falls and slips, and exposures. Stress on the body includes strains, sprains, and occupational ergonomic injuries.

Over the past four years, we had been seeing a 20% decrease in days lost and claim severity (time loss dollars paid, excluding medical bills). From 2019 to 2020 the number of days lost increased (due to COVID) and claim severity almost doubled. 2020 data is still accumulating.

To bring time loss claims down, we need to return injured workers to the workplace. Keeping an employee at work benefits everyone. For the employee it avoids deconditioning, depression, financial loss, and provides peer/supervisor support. For the workplace, it minimizes productivity loss. For everyone’s benefit, shorter work absences lower the likelihood of long-term disability and improves worker health. After a 4–6-week absence, there is only a 20% chance a worker will resume gainful employment; after 6 months there is only a 50% chance.

We can help injured workers by ensuring an OARS or PSN incident report is completed, so we can identify and mitigate risks. Those reports also assist the Claims group. We can show injured workers they are valued by maintaining communication with them, with HR, and with Claim Services. We can look for light/modified duty work opportunities that stay within restrictions. We want to welcome them back and accommodate injured workers whenever possible.

There is an incentive to returning workers to the workplace. Labor & Industries reimburses UW for accommodating medical restrictions, and reimbursement goes directly to the department which provides modified/light duty work. L&I pays half of the wages for up to 66 days (within 24 months) on modified/light duty; UW has received 1.9 million dollars in reimbursements since June 2012. Claim Services administers the program and provides [workers compensation training for supervisors and managers](#). Send questions to workcomp@uw.edu, or see <https://risk.uw.edu/wc>.

We can focus our accident prevention efforts on the most common injuries: “stress on the body” (often a strain or sprain) and slips/trips/falls. Avoid strains through stretching/conditioning routines, rotations/breaks, safe lifting using equipment/devices, evaluation of tasks/tools/equipment/materials, and other engagement in safety efforts. Avoid slips/trips/falls through better housekeeping, wellness and vision, good lighting, appropriate footwear, safety inspections, signage, and limiting unusual conditions.

Workers compensation insurance is a significant expense to UW at the current rate of \$23 million/year. UW employees pay about 1/3 of this total premium via payroll deduction. There are other costs to the UW, including productivity losses and temporary employee costs.

The Labor & Industries premium rate is affected by the last three years of claims costs, which are up (due to COVID-19) even with steady decreases in payroll hours.



7. Organizational Group Reports and Election Updates

HSC-1: Ryan Hawkinson reported that the Group 1 elections group will add information to their vetting templates about time availability and role expectations for HSC positions. They had a high number of OARS reports in July, perhaps partly due to staff stretched thin by vacancies across campus. There was interest in a hoteling program to organize shared workspace; one unit pays a monthly service fee to use [Envoy.com](https://www.envoy.com) and found it easy to access with a UW Net ID, but access for vendors or visitors takes some time to setup. Envoy can also assist with contact tracing.

HSC-2: Mark Pekarek said Group 2 selected an election coordinator. An OARS report indicated a few cases of poison ivy across campus. The Project Delivery Group is working to prevent people who are experiencing homelessness from illegally accessing tunnels and stealing tools, equipment, and materials.

HSC-3: Kurt Oglesby reported that Group 3 had not yet chosen an election coordinator but are working through the process.

HSC-4: Christine Aker indicated that Group 4 would like information from UWPD or Parking Services on parking lot crimes including carjackings and catalytic converter theft; specifically, they are concerned about safety in parking lots, and curious about mitigation efforts.

Officer Phillips responded that UWPD has active investigations into the July 29th robbery and the second robbery that occurred earlier on August 11th. Community support for deployment of mobile surveillance cameras could assist UWPD in detective work and prevent future catalytic converter thefts, car prowls, and armed carjackings.

HSC-5: Liz Kindred said that Group 5 reported zero occupational COVID-19 cases between all three hospitals over the last two months! They reviewed patient handling incidents. They compared the Bureau of Labor Statistics data for healthcare injury rates to their own; they found the data on overexertion due to patient handling, slips/trips/falls, and workplace violence were similar.

Group 5 discussed the OSHA Emergency Temporary Standard for COVID (specific to healthcare) and found they were already meeting 80% of the requirements but will need to tighten up on the remaining 20% of the requirements. Liz said they expect masking and social distancing in healthcare facilities to continue for a long time.

Liz mentioned Sonia's presentation on HSC Elections. Liz noted the joy brought by the visit of therapy dogs to some patient care units at Harborview as part of the resiliency program for staff appreciation. Michael Sage has moved on and Anne Sumpter has taken his place on the U-wide.

HSC-6: Eric Camp said HSC-6 reviewed two near misses. They have a lot of concerns about Fall Quarter, some of which have been answered by further guidance.



HSC-7: Martin Arroyo reported Group 7 discussed their election. They will meet with their Vice Chancellor to ensure a better representation of their campus population. Dr. Nathaniel William May of UW Seattle presented on dangers and mitigation of PM2.5 from wildfires. The local fire departments trained in campus parking lots and there will be a PEAT drill on 8/25. Their OARS reports included a near miss, a fall from a bicycle, and a sharps incident.

HSC-8: Chris Barrett reported that Group 8 began discussing the need for an election coordinator and set up email solutions. They will discuss whether meetings after September 10th will be via zoom or in person, and they will discuss cleaning protocols for the return to work.

HSC-9: Sheila Prusa reported that Group 9 found an election coordinator. One of their OARS reports addressed work on a deionized water system done by occupants that should have been done by UW Facilities. Sonia noted that anything that attaches to infrastructure is UW Facilities' work, not occupant work, and there are legal and safety aspects of that.

At the Bowman building there was a well-contained small fire; they discussed when to call 911. In follow-up Scott Nelson said SFD wants you to call 911 no matter how small and contained the fire.

Group 9 discussed COVID-19 restrictions and how they cannot differ from UW policy; a department wanted to verify non-UW personnel's vaccinations, and the Office of Research said they could not. Denise said the employer must develop a process to verify vaccination status, and currently UW's process is to self-attest and we cannot go beyond that. The process will change for medical centers and may change elsewhere in the future.

HSC-10: David Zuckerman reported that Stephanie Harrington, Associate Dean, will be their election coordinator once again and will provide unit administrators with instructions for the elections. Many of their OARS were from UW Botanic Gardens, due to summer camp at the Arboretum and grounds crews working outdoors. They also reviewed heat and smoke information and recommended the trainings to everyone.

8. Union Reports

Ann Aumann of SEIU 925 had no updates.

Paula Lukaszek of WFSE had a question about the Long-term Care Trust Act and a question about ventilation. Denise asked Paula to email her with the ventilation question. Denise will verify whether HR can help with questions on the Long-term Care Trust Act.

9. Ex Officio Reports

UW Facilities: Chris Pennington had nothing to report.

Emergency Management: Barry Morgan had nothing to report.



UWPD: Officer Phillips had nothing additional to report.

DEOHS: Rick Gleason had nothing to report.

AGO: Nancy Gwin said they are working on their Return to the Workplace plan.

Claim Services: Ken Nielsen had nothing additional to report.

10. EH&S Updates: L&I

Erin McKeown reported four Labor & Industry cases going back into 2020 are pending a decision after a recent meeting with Labor & Industries Board of Industrial Insurance. They involve HMC, UWMC Montlake, UWMC NW, and Eastside Specialty Clinic locations. Concerns included masking, N95 availability, social distancing, and physical barriers.

L&I indicated employee concerns at HMC regarding disinfection protocols at a metal detector screening station, suspected mold in a wall, and badly stained carpet. These concerns were investigated, and the case was satisfactorily closed.

EH&S Updates: General

Denise announced an opening for an Administrative Assistant 3 in EH&S. The person would report to her. She also mentioned she has an opening for an Occupational Safety and Health Specialist to replace Sandy Jung who left UW and is now working for L&I.

Denise said we have exciting new improvements to our confined space program coming, and Brandon has posted the [Outdoor Heat Exposure](#) and [Wildfire Smoke](#) webpages with training links.

Tracy Harvey said she updated the [Decontamination Form](#) (a two-sided form), used to notify Surplus Properties that equipment is clean and safe to handle. There have been several incidents of equipment that hasn't been properly cleaned and decontaminated, so she is working on outreach to labs and clinics regarding cleaning surfaces and equipment and then attaching this form. Tracy will do a presentation on lab cleanouts in October but reiterated that this form can be used more broadly for any furniture or equipment going to surplus. UW Facilities and EH&S have discussed this problem repeatedly and request everyone decontaminate equipment thoroughly.

Sonia noted that the HSC Election Guide (linked at the bottom of the [HSC page](#)) has been updated.

11. Good of the Order

Carmen announced that the U-wide will continue meeting via Zoom.

12. Adjourn

U-Wide Chair Carmen Parisi adjourned the meeting at 2:30 pm.

University-Wide (U-Wide) Health and Safety Committee Meeting Agenda

September 8, 2021
1:00 p.m. – 2:30 p.m.
Zoom (screen required)

Agenda Item	Lead	Process	Time
Attendance/Quorum	Sonia Honeydew	Verify quorum per Zoom gallery count	3 min
Call to Order	Carmen Parisi	Robert's Rules of Order	2 min
Approval of Meeting Minutes	Carmen Parisi	Discussion	5 min
COVID-19 Update	Katia Harb	Presentation	15 min
Shake Alert, Washington State Early Warning System ; and The Great Washington Shakeout	Bill Steele and Gabriel Lotto, PNSN Steve Charvat, UWEM	Presentation	15 min
Charter Updates and Vote	Sonia Honeydew	Discussion	5 min
Organizational Group Reports* and Election Updates	Committee members	Discussion	15 min
Union Reports	Union representatives	Discussion	5 min
Ex-Officio Reports	Ex-Officio members	Discussion	10 min
EH&S Updates L&I Update General updates	Erin McKeown Denise Bender	Discussion	10 min
Good of the Order	Carmen Parisi	Discussion	5 min
Adjourn	Carmen Parisi	Robert's Rules of Order	

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

Please send ideas for agenda items to Carmen Parisi and Liz Kindred at least 2 weeks prior to the scheduled meeting.