

Agenda – October 29, 2018
Group 9 (College of Engineering) Health and Safety Committee

1. Attending

Eliot George for Fiona Spencer, AA	Angie Haggard, EH&S
Colleen Irvin, BioE	Jane Skau for Stacia Green, HCDE
Summer Dela Cruz for Sean Yeung, CEE	Sheila Prusa, ISE
Michael Pomfret, CEI	Bill Kuykendall, ME
Kameron Harmon, ChemE	Chris Adams, MoIES/NanoES
S. Honeydew or M. Glidden, CoE DO	Tatyana Galenko, MSE
Alex LeFort for Sophie Ostlund, CSE	Michael Khbeis, WNF
John Young, EE	

2. Guest Speaker: Erin McKeown (EH&S) discusses chemical spills

3. Previous Meeting Minutes

- Sep 2018 – approve? Corrections?
- Previous meeting minutes are posted at <https://www.engr.washington.edu/mycoe/safety#>

4. Department Incident Reports

- EE @ WNF – near miss acid-base reaction in fume hood by non-academic affiliate (Sep)
- AA – employees demolished internal walls and were exposed to lead paint (Sep)
- ChemE – cut fingers with cryostat blade while cleaning eqpt (Sep)

5. Group Business

- 5 Whys Root Cause Analysis
- Annual message on UW emergency alerts and communications

6. UW-Wide Meeting

- Sep minutes attached
- Oct agenda attached. Highlights:
 - October is National BioSafety Month for research labs. 1,813 of 4,100 UW research labs work with biohazards; 610 currently have BUAs. 2018 theme of biosafety month is “culture of safety”.
 - Next level to improve culture of safety at UW is to be more proactive. Educate your leadership. Promote biosafety month by emailing PIs and LMs who work with biological agents the link to [EH&S page](#) for flyers etc, and share [article](#). Safety Committee groups start using “five why’s” of root cause analysis – practice on at least one OARS report per month.
 - EH&S [Biological Safety page](#) has info on biohaz waste, sharps safety guides, etc.
 - EH&S has [new IBC page](#) in last year. The Institutional Biosafety Committee (IBC) reviews, approves and oversees research involving the use of recombinant or synthetic DNA/RNA and other biohazards. There is a new IBC Coordinator (Robert Kunsman) and Officer (Andrea Badger).

7. Department Updates

Next Meeting: November 26th at 3pm, in Loew 355
Guest speaker or video on bystander intervention

DRAFT Meeting Minutes

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

Meeting Date: Sep 24, 2018

Attended

Colleen Irvin, BioE

Kameron Harmon, ChemE

Summer Dela Cruz for J. Sean Yeung, CEE

Michael Pomfret, CEI

Sophie Ostlund, CSE

Sonia Honeydew, DO

John Young, EE

Angie Haggard, EH&S

Stacia Green, HCDE

Sheila Prusa, ISE

Bill Kuykendall, ME

Chris Adams, MoIES/NanoES

Tatyana Galenko, MSE

Absent

Eliot George for Fiona Spencer, AA

Michael Khbeis, WNF

Introductions

- Summer Dela Cruz will be taking over Building Coordinator responsibilities in CEE and will be Group 9 proxy for Sean. Make sure Facilities BC list is updated to include Summer for upcoming BC event invites.

Previous Meeting Minutes

- Aug 2018 – draft approved *with corrections*
- Previous meeting minutes are at: <https://www.engr.washington.edu/mycoe/safety#>

Incident Reports

- ChemE – smell near fume hood (Aug). FS investigated. Dept suspects that issue is related to building cooling. When negative air balance, air sucked from chase and pulled into lab. There was an issue mobilizing Facilities (bumped up from Customer Care to zone supervisor).

DRAFT Meeting Minutes

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

- CEE – slip/fall on water in lab (Aug). Now suspect pooled water was from autoclave nearby – either steam from autoclave or pipes connected under it (which should not condense so should be checked), or a water leak (should be checked). PI reviewed procedures with lab members to ensure water reservoir is not overfilled. Will check autoclave and continue to investigate other possible leak sources. Noted that report was delayed; issues should be reported asap. This report also brought up a discussion about expectations from Custodial Services (see online catalog of expected services) and the importance of communication in shared spaces (Lab Caution sign should indicate who to talk to if find a spill).

Group Business

- Discussed AA draft of dept safety protocol document. Group acknowledged document not in line with current practices and suggested best if align with and utilize existing resources.
- Reminder that all facilities work must be performed by FS or an approved contractor as defined in collective bargaining agreements and state law. Sonia add FS reminder (with APS link) to Group 9 shared drive.
- Group considered linking all CoE building FSEP's on CoE site, decided better to link to EH&S library. Will discuss with EH&S to post their FSEP library.
- December deadline for APP comments (received from HCDE).
- UWPD's Building Safety Task Force update: Per Chris, they have nearly finalized draft on ejecting/banning individuals from buildings. Will add to Group 9 shared drive.
- FS' BC Guiding Coalition update: building coordinators will receive survey by Thursday.
- Instructors should be conducting safety orientation on the first day of lab class.

UW-Wide Meeting

- Aug minutes in packet.
- Sep agenda attached. Harborview field trip included overview of Stop the Bleed program:
 - Someone can bleed to death in 3-5 minutes. When someone loses half their blood volume (half of 5 liters), they die of irrevocable shock. 35% of pre-hospital trauma deaths are due to blood loss.
 - See www.StoptheBleedWA.org for classes. Harborview has hosted since Aug 2016. One Saturday a month there are two classes in the morning for the general public. BleedingControl.org also has info.

DRAFT Meeting Minutes

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

- Even though car crashes and injuries at home are much more common causes of trauma, the increase in active shooter scenarios and weather emergencies brought government and medical agencies together to create the Stop the Bleed program to educate the public about bleed response and the importance of bleeding control kits in public spaces (such as near AEDs). They hope to make this training standard for high school graduation, like CPR training.
- Bystanders are critical (in active shooter situations EMS can't enter without special training).
- Stop the Bleed educates bystanders to pack the wound tightly (yes it will hurt) and apply steady pressure. If a proper tourniquet is available, apply above leg/arm wounds, but DO NOT take the time to invent a tourniquet! Subsequent studies showed that improvised tourniquets did not help and often worsened medical outcomes at the Boston marathon bombing.

Department Updates

- HCDE – Re: discussion about disturbing hazardous materials in older buildings... asbestos stickers on ceiling in Sieg indicate hazardous materials. Due to window design, water leaks in, and occupants wonder if there might be asbestos where the paint is bubbling. Angie will check whether testing done there.
- CSE – Re: discussion about disturbing hazardous materials in building infrastructure... when custodial staff strip floors before waxing them, could there be risk of stripping old asbestos tiles? Angie will check.
- BioE – a grad student submitted a belated OARS report with concern that their prior iodine radiation work caused a high thyroid assay, and was told couldn't be reimbursed for medical charges due to delay in reporting... Angie will look into this workers comp scenario with Claims Services, as there may have been an additional reason for denial of reimbursement.
- MoES/NanoES – there was a cut in a School of Medicine (Group 4) lab, and bloody medical waste was left in the office waste for three weeks – biohazard.
- AA asks whether any departments have intranets with Lab Safety Manuals and training records? Chris (MoES/NanoES) will talk to Pam.

Next Meeting

- Oct 29th 2018 at 3pm, in Loew 355 with EH&S guest speaker on chemical spills



University of Washington Accident / Incident Report

Report Number: 2018-09-022

Contact EH&S at 206-543-7388

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: [REDACTED]	Email: injury@u.washington.edu
Occupation/Position: NON-ACADEMIC AFFILIATE	Department: ENG: Electrical Engineering JM Contingent Worker
Date Reported (yyyy/mm/dd): 2018/09/10	Time of Reporting: 06:27 PM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: [REDACTED]	Email: injury@u.washington.edu
Occupation/Position: NON-ACADEMIC AFFILIATE	Department: ENG: Electrical Engineering JM Contingent Worker

Incident Details

Date of Incident (yyyy/mm/dd): 2018/09/10	Time of Incident: 3:45 PM	When Shift Begins: N/A
Campus: Seattle	Incident Location/Parking Lot: FLUKE HALL	
Room: Fluke 115	Other:	

Incident Details:

Standard procedure when using SC1 chemical clean is to add a few mL of H2O2 to mixture. Instead, HCl was added. This created a small acid-base reaction, which was sucked away by the fume hood.

Attachment: No

Supervisor

Last Name: Khbeis	First Name: Michael
Phone: +1 206 543-5101	Email: khbeis@uw.edu
Occupation/Position: ASSOCIATE DIRECTOR MICROFABRICATION FACILITY	Department: ENG: Collaboration Core - WNF Managers

Classification

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

Type of Incident

Injury Description: None,

Body Parts Affected: None,

Cause of Injury or Damage: Chemicals,

Possible Causes

Equipment: Inadequate Guards/Barriers,

Environment: Chemicals,

Policies / Procedures: Failure to Follow Procedures,

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

Suggested corrective action by the affected party

Enhance labeling, or do not store acids and bases in same bench.

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: **Haggard**

First Name: **Angelina M**

Phone Number: **+1 206 616-3442**

Email: **ahaggard@uw.edu**

Occupation/Position:

Department:

Comments: **9/11/18 forwarded to Tracy Harvey**



University of Washington Accident / Incident Report

Report Number: 2018-09-048

Contact EH&S at 206-543-7388

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: +1 [REDACTED]	Email: [REDACTED]
Occupation/Position: RESEARCH ASSOCIATE PROFESSOR	Department: ENG: Aeronautics and Astronautics
Date Reported (yyyy/mm/dd): 2018/09/21	Time of Reporting: 11:45 AM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: +1 [REDACTED]	Email: knowlen@uw.edu
Occupation/Position: RESEARCH ASSOCIATE PROFESSOR	Department: ENG: Aeronautics and Astronautics

Incident Details

Date of Incident (yyyy/mm/dd): 2018/09/18	Time of Incident: 10:00 AM	When Shift Begins: N/A
Campus: Seattle	Incident Location/Parking Lot: PARKING LOT C-17	
Room: KIR 110	Other:	

Incident Details:

Inappropriate demolition of several interior temporary walls in KIR 110-aux was carried out by 2 student employees at my request. This was a grave lapse of judgement on my part and I will do everything possible to mitigate the problems this caused, which are listed below.

- 1) About 28 ft of gypsum sheet-rock wall with 2x4 studs was removed from KIR 110. The wall frames were sandwiched in between the concrete floor and concrete ceiling cross-beams, and one section abutted a concrete wall. The waste from this demo was picked up by UW Recycling on 9/18/18.
- 2) At the request of EH&S, the site was tested for asbestos and lead on 9/19/18. No asbestos was detected in debris nor on any surface.
- 3) Lead was found in high concentration the original floor paint and original concrete wall paint, and at a relatively low level in an outer coating of paint on the concrete wall.
- 4) Some of the outer coating of paint from the concrete wall flaked off and likely contaminated the debris, and possibly some of the items that were left in the room during demo. This layer of paint has a concentration just above the threshold of detection (56 ppm) and is thus a concern.
- 5) The demo activity in the auxiliary room of KIR 110 took about 6 hours on 9/10/18 and the debris was removed from the room and stacked in the foyer on 9/14/18.
- 6) A list of people who have passed through the foyer from 9/14/18 to 9/18/18 has been compiled and attached.

Attachment: Yes

Supervisor

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: +1 [REDACTED]	Email: [REDACTED]
Occupation/Position: RESEARCH ASSOCIATE PROFESSOR	Department: ENG: Aeronautics and Astronautics

Classification

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

Type of Incident

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

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

Possible Causes

Equipment: **Other,**

Environment: **Other,**

Policies / Procedures: **Failure to Follow Procedures, Inadequate Planning, Preparation,**

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

Suggested corrective action by the affected party

- 1) The two student employees directly involved have been told what contaminants have been detected and what hazards they pose. A blood test for lead is recommended for these employees.
- 2) All other KWT employees have been informed of the incident and alerted to what hazards they may have been exposed to. The option for a lead blood test will be encouraged.
- 3) All visitors to KWT that used the entrance in question between 9/14/18 and 9/18/18 will be informed about the lead paint they were exposed to.
- 4) A lead abatement work order has been submitted to FS. Decontamination of equipment in the room at time of demo and outside of room in foyer will be carried out at earliest opportunity.
- 5) Recycle truck was decontaminated on 9/21/18.

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.)

Primary cause of incident was that the building manager did not follow UW protocols for interior room modifications. Had this been done properly, then the Pb testing would of been done first and appropriate measures could of been taken to mitigate the risk of lead exposure to other employees.

Recommendations/Preventive Measures:
KWT manager should attend all pertinent training and seminars offered by UW to ensure he stays up to date on all UW policies and procedures related to building management.

Corrective Actions Target Date (yyyy/mm/dd): 2018/09/28	Corrective Actions Complete Date (yyyy/mm/dd):
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Other Comments:
**Dates of contact with all impacted individuals will be documented.
Corrective actions will be considered complete when lead abatement task has been completed.**

EHS Review

Last Name:	First Name:	Phone Number:	Email:
Occupation/Position:		Department:	
Comments:			

Personnel who used KIR 110 entrance to KWT from 9/10/18 to 9/18/18.

Personnel	Affiliation	Position	Access Dates	Contact Type
██████████	KWT	Manager	9/14/18 - 9/18/18	walk through
██████████	KWT	Test Engr	9/14/18 - 9/18/19	walk through
██████████	KWT	Student Crew, demo work	9/10/18 - 9/18/18	material handling
██████████	KWT	Student Crew, demo work	9/10/18 - 9/18/18	material handling
██████████	KWT	Student Crew	9/14/18 - 9/18/19	walk through
██████████	KWT	Student Crew	9/14/18 - 9/18/19	walk through
██████████	KWT	Student Crew	9/14/18 - 9/18/19	walk through
██████████	KWT	Student Crew	9/14/18 - 9/18/19	walk through
██████████	KWT	Student Crew	9/14/18 - 9/18/19	walk through
██████████	UW	Custodian	9/14, 9/17	walk through
██████████	ATS	Customer	9/17, 9/18	walk through
██████████	Insitu	Customer	9/17, 9/18	walk through



University of Washington Accident / Incident Report

Report Number: 2018-09-069

Contact EH&S at 206-543-7388

Person Reporting Incident

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: [REDACTED]	Email: [REDACTED]
Occupation/Position: UNDERGRADUATE RESEARCH ASSISTANT	Department: ENG: Chemical Engineering- Nance Lab
Date Reported (yyyy/mm/dd): 2018/09/29	Time of Reporting: 02:21 PM

Person Involved or Affected

Last Name: [REDACTED]	First Name: [REDACTED]
Phone: [REDACTED]	Email: [REDACTED]
Occupation/Position: UNDERGRADUATE RESEARCH ASSISTANT	Department: ENG: Chemical Engineering- Nance Lab

Incident Details

Date of Incident (yyyy/mm/dd): 2018/09/28	Time of Incident: 1:00 PM	When Shift Begins: N/A
Campus: Seattle	Incident Location/Parking Lot: BENSON HALL	
Room: 220	Other:	

Incident Details:

While cleaning the cryostat equipment after use, I forgot to take out the razor blade and cut myself while cleaning the equipment.

Attachment: No

Supervisor

Last Name: Nance	First Name: Elizabeth
Phone: +1 206 543-2216	Email: eanance@uw.edu
Occupation/Position: ASSISTANT PROFESSOR	Department: ENG: Chemical Engineering

Classification

Level 1:
Injury requiring first aid,

Type of Incident

Injury Description: Cut, Laceration, Puncture, Scratch, Abrasion (Open Wound), Pain, Irritation, Inflammation, Swelling,

Body Parts Affected: Fingers,

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

Possible Causes

Equipment: Using Equipment Improperly,

Environment: Sharp Objects,

Policies / Procedures: Failure to Follow Procedures,

Human Factors: Failure to Follow Established Protocol/Procedures,

Suggested corrective action by the affected party

[Empty field for suggested corrective action]

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 student had returned from a summer internship and was re-engaging with the cryosectioning technique. The student indicated that he was out of practice, and had not stayed aware of where the blade was relative to his hand location while moving samples in and out of the cryostat. After receiving the cut, he followed all appropriate safety measures and reporting, including immediately messaging me to let me know the incident happened.

Recommendations/Preventive Measures:

Immediately after the cut happened, the student flushed the wound for 10 minutes under running water, and washed with warm water and soap, then applied aseptic ointment and bandaged the cut. He and I then spoke to go over the safety procedures with sharps, and the level of caution and awareness to have when his hands on in the cryostat with a blade present. We reviewed the use of the safety bar to cover the blade when he is exchanging samples from the mount, so as to minimize having his hand come in contact with the blade.

Corrective Actions Target Date (yyyy/mm/dd):
2018/09/28

Corrective Actions Complete Date (yyyy/mm/dd):
2018/09/28

Other Comments:

██████ and his grad student supervisor immediately notified me of the incident, which allowed me to address corrective action on the afternoon of 9/28.

EHS Review

Last Name:

First Name:

Phone Number:

Email:

Occupation/Position:

Department:

Comments:

U-WIDE HEALTH AND SAFETY COMMITTEE

September 12, 2018 Meeting Minutes | 1:00 pm - 2:30 pm |
Harborview Medical Center Room 111/112

	Elected Members (HSC Group)		Appointed Members (HSC Group)		Environmental Health & Safety (EH&S) Staff
	Leslie Anderson, Co-Chair (1)		Paul Zuchowski (3)		Jude Van Buren
	Fieta Robinson (1)		Katie Beth (3) alternate	X	Denise Bender
X	Ryan Hawkinson (1) alternate	X	Liz Kindred, Co-Chair (5)	X	Manisha Konnur
	Sterling Luke (2)		Nicole Sanderson (7)	X	Emma Corell
	Michelle Mazzei (2)		David Zuckerman (10)	X	Angelina Haggard
X	Beth Hammermeister (4)	X	Sonia Honeydew (9)		
	Carol Harvey (4)				
X	Ann Aumann (5)				
X	Natassia Stelmaszek (6)				
	Beth Ramage (6)				
	Kelly Carter-Lynn (7)				
					Guests (HSC Group)
X	David Hirschberg (8)			X	Adam Geoffroy (7)
X	Hannah Wilson (8)			X	Brad Assay (5)
	Kameron Harmon (9)			X	Stephen Lundgren (5)
X	David Warren (10)			X	Mary Dirksen (5)
X	Lesley Colby (Faculty Senate)			X	Kara McDermott (1)
	Labor Union Representation		Ex-Officio Members		Ex-Officio Members
	Paula Lukaszek, WFSE Local 1488		Tracey Mosier, Facilities Services		Felicia Foster, Atty General's Office
X	Christine Kang, Graduate & Professional Student Senate (GPSS), UAW 4121		Chris Pennington, Facilities Services		Lt. Chris Jaross, UWPD
	Vacant, SEIU Local 1199		Steve Charvat, Emergency Management		Chief John Vinson, UWPD
			Eli King, Emergency Management		Vacant, Transportation Services
			Megan Levy, Emergency Management	X	Ken Nielsen Claims Services
		X	Rick Gleason, DEOHS		Vacant, Capital Planning & Development
*x= Present at meeting (quorum = 12 elected and appointed members)					

Agenda

1. **Call to Order and Introductions**
2. **Stop the Bleed Program Overview**
3. **Approval of August Meeting Minutes**
4. **Harborview Overview**
5. **Walk to View Park Adjacent to Helipad**
6. **Adjourn**

Recorded by Manisha Konnur

1. **Call to Order and Introductions:** Liz Kindred called the meeting to order at 1:00 p.m. Emma Corell introduced Manisha Konnur, the new Health & Safety Program Coordinator. Christine Kang is the new representative for the UAW 4121.
2. **Stop the Bleed Program Overview:** Maria Paulsen presented on 'Stop the Bleed' campaign. She elaborated on the importance of proper use of tourniquets and how to stop an individual from bleeding out, by demonstrating the appropriate technique to use a tourniquet. HMC offers free 2 hour Stop the Bleed courses to all staff and the general public, see www.stopthebleedwa.org for more information.
3. **Approval of August Meeting Minutes:** Beth Hammermeister is an elected member. The August meeting minutes were approved as amended.
4. **Harborview Overview:** Liz Kindred gave a presentation on Overview of Harborview Medical Center, hospital structure, patient emphasis and employee safety initiatives. which was then followed by a quick Emma Corell gave an update on L&I inspections.
5. **Walk to View Park Adjacent to Helipad:** Liz Kindred took the U-wide members for a tour to the Helipad and around the Harborview Medical Center.
6. **Adjourn:** Liz Kindred adjourned the meeting at 2:18 p.m.

University-Wide (U-Wide) Health and Safety Committee Meeting Agenda
October 10, 2018
1:00 p.m. – 2:30 p.m.

William H. Foege Bldg. N-130A
<http://www.washington.edu/maps/>

Regular Attendees:

- Current U-Wide Health and Safety Committee Members
<https://www.ehs.washington.edu/workplace/health-and-safety-committees>
- Environmental Health & Safety (EH&S) Staff:
 Katia Harb, Denise Bender, Emma Corell, Angie Haggard and Manisha Konnur

Agenda Items	Persons Responsible	Process	Time
Call to Order and Introductions	Leslie Anderson, Co-Chair	Robert's Rules of Order	5 min
Approve September Meeting Minutes	Committee Members	Robert's Rules of Order	5 min
National BioSafety Month	Zara Llewellyn, EH&S Biological Safety Manager	Presentation	10 min
Organizational Group Reports*	Committee Members	Discussion	30 min
EH&S Reports	Katia Harb, EH&S Updates Denise Bender, WA Labor & Industries Update Angie Haggard, OARS Reports Overview	Discussion	20 min
Union and Ex Officio Reports	Union Representatives and Ex-Officio's	Discussion	10 min
Good of the Order	Committee Members	Discussion	5 min
Adjourn	Leslie Anderson, Co-Chair	Robert's Rules of Order	5 min

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

Please send ideas for agenda items to the U-Wide Co-Chairs (Leslie Anderson and Liz Kindred) at least 2 weeks prior to our meetings.