

APSC Joint Occupational Health & Safety Committee Meeting Minutes

Name of Committee:	Faculty of Applied Science	Sean Buxton, MECH Marlene Chow, CHBE
Date:	Wednesday, February 14, 2024	09:00 - 10:30am Hybrid - CEME 2202 & Zoom Meeting

AGENDA:

1.	Roll Call	6.	Review Workplace Safety Inspections (including any changes to
2.	Determination of Quorum		equipment, machinery or work processes that may affect the health or
3.	Approval of Previous Joint Occupational Health and Safety Committee		safety of workers)
	(JOHSC) Meeting Minutes	7.	Review Education and Training
4.	Additional Agenda Items, Review Actionable Items from Local Safety	8.	Ongoing Business – Status of Action Items
	Team (LST) Minutes & Approval of Agenda	9.	JOHSC Recommendation Letters (Correspondence)
5.	Review Central Accident/Incident Reporting System (CAIRS) report of	10.	New and Other Business
	Accidents/Incidents	11.	Next Meeting
	Monthly Incident List & Statistical Summary Report	12.	Meeting Adjournment

Worker Representatives	Association/Union	Work Location	Present	Regrets	Absent
Aaron Hope	AAPS	MINE			
Carmen Jensen (A)	FAC	MINE			
Cindy Wong	AAPS	BPI	\boxtimes		
Erin Hagen	CUPE 116	СНВЕ	\boxtimes		
Gable Yeung (A)	NUT	ICICS			
Gary Lockhart (A)	AAPS	BRIM	\boxtimes		
Heli Eunike (A)	CUPE 116	MTRL	\bowtie		
Jennifer Pelletier	AAPS	MECH		V	
Jill Mahy	FAC	NURS		$\mathbf{\nabla}$	



Worker Representatives	Association/ Union	Work Location	Present	Regrets	Absent
Markus Fengler (9:22am)	FAC	MECH	\boxtimes		
Robert Geyer	AAPS	SALA	\boxtimes		
Ross Sheppard (A)	AAPS	ECE		M	
Roza Vaez Ghaemi (A)	CUPE 2278	CHBE/BME			
Sabrina Fried	AAPS	ECE	\boxtimes		
Scott Jackson	AAPS	CIVIL	\boxtimes		
Sean Buxton	AAPS	MECH	\boxtimes		
Wendie Wu	CUPE 2278	СНВЕ	\boxtimes		
Employer Representatives	Association/ Union	Work Location	Present	Regrets	Absent
Ailish Statham	AAPS	APSC DO	\boxtimes		
Jody Swift (A)	AAPS	APSC DO			
Marlene Chow	AAPS	СНВЕ	\boxtimes		
Resources/ Guests		Work Location	Present	Regrets	Absent
Janet Hankins	Resource	Safety & Risk Services	\boxtimes		
Richard Colwell	Administrator	APSC DO	\boxtimes		
Laura Thomsen	Administrator	APSC DO	\boxtimes		
*Note: Alternates are indicated by (A)					

2. DETERMINATION OF QUORUM

- a. A minimum of 4 members;
- b. Worker representatives (faculty and staff workers who do not exercise managerial functions) and employer representatives (management workers who exercise managerial functions);
- c. At least half of the members must be worker representatives;

Is there a quorum for this meeting? * If a quorum is not met, the meeting does not qualify as a monthly meeting. The monthly meeting will need to be rescheduled within the same month.	Yes	No

3. APPROVAL OF PREVIOUS JOHSC M	EETING MINUTES					
(Statement to indicate minutes of previous meeting have been read & acknowledged and to record any corrections to it)						
• Move to adopt minutes.	Scott Jackson	Sabrina Fried				



3. APPROVAL OF PREVIOUS JOHSC MEETING MINUTES						
List amendments to minutes	Noved by:	Seconded by:				
Adjustments: Repeated paragraph						
			Yes	No		
Are the minutes approved?			$\mathbf{\nabla}$			

4. ADDITIONAL AGENDA ITEMS & APPROVAL OF AGENDA		
	Yes	No
Approved by Ailish Statham Seconded by Sabrina Fried		

5. REVIEW CAIRS REPORT OF ACCIDENTS/INCIDENTS:

See the attached incident report: N/A

• Monthly Incident List & Statistical Summary Report (make note of trends etc. For any general CAIRS information that requires discussion or action, please record under "New Business." Any incident-specific items and follow up requests are to be listed below)

(* See Legend at the End for Priority and Status Codes)

Item # (Use CAIRS Incident ID #)	Priority	Date	Action Plan (Actions Taken/Need to be taken)	Assigned To	Follow up: Date Pending	Status
			Old reports w/follow up			
			CHBE, CERC, & BRIC			
133629 133628	С	2023-12-22	 Head Bump: After working under some equipment, the individual stood up and bumped their head on a gate valve control handle. They applied an ice pack - there was no bleeding or loss of consciousness. Corrective Actions Install a foam bumper for the underside of the metal equipment where folks are working - Complete 	EH (CHBE)		C
			New reports			
			CHBE, CERC, & BRIC			



133779 133771	С	2024-02-01	Equipment breakage: A reactor was being used for experiments. The vessel was stuck to the lid (even after depressurizing). In attempts to release the vessel, the individual pressurized the vessel to about 500psi which led to the vessel blowing off of the lid. The force of impact destroyed the valves on the reactor and the lever bar for lifting the vessel. Corrective Actions - Take equipment out of commission - Update SOP to include more HAZOP analysis of the unit and get approved by Safety Coordinators In Progress	EH (CHBE)	2024-03-13	ΙP
			MTRL			
133798 133817	C	2024-02-02	 Title: Instron Fixture Crash What happened: A worker from other department came by to use the Instron in FF119. This worker is very familiar with the machine and has used it many times in the past. They were using the larger 3-point bend fixture and during the setup they did not attach the extension rod that separates the top of the fixture from the load frame. This caused the guide rods to crash into the outer rim of the load cell when lowering the crosshead into position. The machine stopped when the power amplifier reached its limit and disabled the frame. There was damage to machine but no injury to worker. Root Cause: The worker had not received training on this specific fixture and was not paying attention when operating the machine. There was no label on the fixture to indicate proper use of extension rod. Action/Resolution: Update documentation and labeling of the fixture and machine. State that training must be received on each specific fixture before being put into use. 	HE (MTRL)		C



			Label on the existing fixture to state that there must be an			
			extension attachment used.			
			MECH			
133690	С	2024-01-16	Title: Minor cut on palm	MF	С	
			What happened: Student cut their hand while using a	(MECH)		
			material punch.			
			Root Cause: The main issue seems to be students not			
			following the SOP (to remove burs before starting to			
			punch, and then not wanting to wear gloves.)			
			Actions and Resolutions:			
			• TAs added signs to the sheet collection area and punches,			
			that this equipment has caused injuries in the past/ gloves			
			are mandatory.			
			• Feedback given to instructors: Students receive an SOP,			
			but it does not include specific information about the risks.			
			TA to request a message be sent on canvas letting students			
			know that this equipment has cut students in the past and			
			that using gloves in mandatory. Also reiterate that pliers			
			and emery cloth are available. Consider adding			
			demonstration of what burrs look like under microscope to			
			show why gloves are mandatory.			
			• Requested that the instructors consider changing the			
			experiment - possibly reducing the number of punches			
			students need to complete (50 at the moment.) Part of the			
			reason students avoid using gloves is the task is repetitive			
			so they are trying to speed things up			
			• The LST also suggested the option of adding punitive			
			measures for students that do not follow the SOP. For			
			example, if the TAs see students not wearing gloves, they			
			could deduct marks for that student.			
			This lab has now finished for 2023W, so we would like to			
			ensure things work more smoothly in 2024W. It sounds like			



we have made improvements compared to last year after		
there were several similar incidents. However, we would		
like to avoid all injuries in future.		

6. REVIEW OF WORKPLACE SAFETY INSPECTIONS (including any changes to equipment, machinery or work processes that may affect the health or safety of workers)

Attach inspection checklist(s) and report(s) to these meeting minutes and use this table to record the discussion and new recommendation(s)

			Prev	vious inspections with follo	ow-up items:			
				APSC				
GI-EDC Offices- 23/11/14	C	1) No Fire o 2) Some, bu	ing Design Centre- Office and Administration spaces: e drill in the last 12 months. To be scheduled for 2024. but not all, bookshelves are secured to walls. SR to be submitted ant offices are occupied. BRIM			RC (APSC)	2024-03-13	IP
			T	1				
GI- BRIM- 23/12/14-01	С	JOHSC Action	Date	Location	Significant Issues	GL (BRIM)	2024-03-13	IP
		none	10/23 /23	341/343 ECE lab bioelectronic materials & devices	 update emergency contact information post no eating drinking signa assemble spill kit dispose overflowing sharps containers update chemical inventory and post acquire small step ladder rearrange items on overhead shelves 			



of workers)							
		none	11/01	442/443	1) fire extinguisher testing		
			/23	ECE lab	expired		
				3d -printing	2) initiate weekly eyewash		
					testing		
					3) discard unsafe		
					electrical cords		
					4) dispose of isopropanol		
					waste (> 25 L)		
					5) update and post		
					chemical inventory		
					6) initiate peroxide testing		
					for methyl isopropyl		
					ether		
		none	10/25	447	1) initiate laser safety		
			/23	ECE lab	protocols (warning		
				silicon photonics	signage, laser goggles)		
				technologies	2) update emergency		
					contact signage		
					3) implement working		
					alone procedures		
					4) create orientation		
					records		
					5) rearrange some large		
					items on shelves		
					6) post updated chemical		
					inventory		
					7) dispose of waste chemicals		
					chemicais		
							L



6. REVIEW OF W of workers)	VORKPLA	CE SAFETY INSPECTIONS (including any changes to equipment, machinery or work	c processes th	at may affect the he	alth or safety
		CHBE, CERC, & BRIC			
GI-CHBE- 23/02/08	C	Microwave-assisted pyrolysis (MAP) pilot plan: Not quite ready, waiting for final CSA approval, complete hazard analysis, automating a shutdown, alteration of platform to prevent falls/tripping and Personal Safety Gear. Update – May 10 th , 2023: Has been CSA approved and SOP updated – reviewing the new SOP and HAZOP then will reinspect	EH (CHBE)	2024-03-13	IP
GI-CERC/CHBE- 23/11/08-05	C	CERC 274 / - Update door signage (274/634) (IP) CHBE 634 - Create and keep training records (274/634) (IP) - Remove chemicals from floor (274/634) (IP) - Make appropriate labels for all chemicals in the lab (634) (IP) - SDS's need to be updated (274/634) (IP) - Biosafety cabinet needs to be annually certified (274/634) (last checked July 2022) (IP) - Biosafety permits must be posted in the space (274/634) (IP) - Get lids and labels for the biohazardous waste containers (274/634) (IP) - Overall cleanliness is an issue; very crowded – should be cleaned (634) (IP)	EH (CHBE)	2024-03-13	IP
GI-CERC/CHBE- 23/11/08-06	C	CHBE 171 - Shelves need seismic restraints (IP) - Create and keep training records (IP) - Make appropriate labels for all chemicals in the lab (IP) - Chemical inventory and SDS's need to be updated (IP) - Overall cleanliness is an issue; very crowded – should be cleaned (IP) MINE	EH (CHBE)	2024-03-13	IP
GI-CMP- 23/12/11-01	С	MINE Inspection Date: Dec 11, 2023 Location: CMP 100, 101, 101A, 101B, 108, 109	AH (MINE)	2024-03-13	IP



6. REVIEW OF W of workers)	ORKPLA	ACE SAFETY INSPECTIONS (including any changes to equipment, machinery or work	c processes th	at may affect the h	ealth or safety
		Notable Issues: CMP 101-machine maintenance/inspection logs to be updated. JOHSC Action Required? No			
		NEW INSPECTIONS			
		CHBE, CERC, & BRIC:			
GI-CHBE- 24/02/14-01	С	Fume hood inspections occurred at the beginning of the month: - A few need rearranging before getting retested (in progress)- One does not meet WorkSafeBC standards and needed an SR submitted	EH (CHBE)	2024-03-13	IP
		ICICS & MECH:			
GI-ICICS/MECH- 24/02/14-01	С	Inspections completed in January were all the MECH Spaces in ICICS. There were several issues (mostly missing lights or ceiling tiles that need to be replaced.) All issues have been resolved.	GY (ICICS)		С
		MINE			
GI-CMP-24/01/22	С	Inspection Date: Jan. 22, 2024 Location: CMP 201; 205; 304 Notable Issues: Fume hood needs repair and retesting/certification (complete) -Acid cabinet door latch not working properly, replacement parts ordered. (Feb 2024) JOHSC Action Required? No	LT & CM (MINE)	2024-03-13	ΙP
GI-CMP-24/01/20	С	Inspection Date: Jan. 20, 2024 Location: CMP 102; 110; 111; 111A; 151 Notable Issues: Manuals for equipment not readily available (PIs to locate and include hard copy next to equipment rm.111) -housekeeping concerns (complete) JOHSC Action Required? No	DE, BK & AH (MINE)	2024-03-13	IP
GI-CMP-24/01/15	С	Inspection Date: Jan 15, 2024 Location: CMP 207, 216 Notable Issues: None JOHSC Action Required? No	AH (MINE)		С



6. REVIEW OF W of workers)								
GI-CMP-24/01/08	С	Inspection Date: Jan. 8, 2024	AH		С			
		Location: CMP 103; 152	(MINE)					
		Notable Issues: None						
		JOHSC Action Required? No						
GI-FF-24/01/22	С	Inspection Date: Jan 22, 2024	AH		С			
		Location: FF 401; 401A; 401B; 403	(MINE)					
		Notable Issues: None						
		JOHSC Action Required? No						

* GI- General Inspection

7. REVIEW EDUC	ATION AN	D TRAINING			
(General discussior	i, confirm a	Il training is up-to-date, etc. For all actionable items please list below)			
Item # (ED-yy/mm/dd-01)	Priority	Discussion/Comments/Recommendations	Assigned To	Follow up: Date Pending	Status

* ED – Education and Training

8. ONGOING BUS	3. ONGOING BUSINESS – Status of Action Items								
Original Item #	Priority	Action Plan (Actions Taken/Need to be taken)	Assigned To	Follow up: Date Pending	Status				
		APSC							
NB-21/09/08-01	D	LST membership: Asking all LSTs to submit any changes to their	RC		R				
		membership to Richard to update list on respective share-point sites.	(APSC)						
NB-23/01/11-04	С	Enrolment in the new chemical safety program: Enrolment in the new	All		R				
		chemical safety program	Committee						
			Members						
NB-23/06/14-01	E	Outstanding items in JOHSC minutes: Asking all JOHSC reps with old or	All		R				
		outstanding inspections and items arising to contact RC and LT (APSC)	Committee						
		with updates to close items off in the minutes	Members						



		Items arising from previous LST meetings:		
NB-23/10/11-04	Ε	APSC JOHSC Co-chairs completing the Annual JOHSC Evaluation with SRS: IP. Will be presented to JOHSC membership upon completion. Dec 13, 2023 – Update: Additional goal for 2024- Advocate to SRS for the development of an Electrical Safety Program for UBCV. Jan 10, 2024 – Update: RC to bring up to SRS the need for electrical safety education/training for administrators/PIs around purchasing CSA (or equivalent) certified equipment for use at UBC. 2024-02-14 - Update: From SRS "SRS will only be rolling out a general electrical safety page. We do not anticipate including an SOP for Electrical Certification. SRS suggests that APSC could develop something specific for the faculty if required." UBCO SoE has a policy in place that UBCV could adopt (available on share-point in 'Safety Share')	MC (CHBE) + SB (MECH)+ RC (APSC)	C
NB-23/11/08-05	С	APSC - LiPo Battery safety: Question for SRS: what is the status of the Lithium battery safety guidance document/program? MECH points to a Penn State program that could be used in the interim. Dec 13, 2023 – Update: MC (CHBE) connected RW (SRS) with SMEs to review and comment on draft battery safety guidelines.	MC (CHBE) RW (SRS) RC (APSC)	R
NB-24-02-14-01	С	Trespasser in APSC spaces: Known trespasser has returned to campus. Arrested in September at ICICS. Spotted in Kaiser Atrium in early January. <i>Update 2024-02-14: See BRIM LST report.</i>	RC (ASPC)	C
NB-24-02-14-02	С	EUS cash drop-off box in ESC: EUS has indicated that they cannot host a cash drop-off box for departmental clubs in the ESC. Any further action required?	RC (ASPC)	C

* ED – Education and Training * GI- General Inspection *NB – New Business

9. JOHSC RECOMME	9. JOHSC RECOMMENDATION LETTERS & REGULATORY INSPECTIONS (e.g. WorkSafe BC)						
Item # (use Recommendation #)	Priority	Discussion and/or Action Items	Assigned To	Date of Issue	Date to be Completed	Status	



9. JOHSC RECOMME	NDATION	LETTERS & REGULATORY INSPECTIONS (e.g. WorkSat	fe BC)		
IR# 202416973009A	С	Description: On January 22, 2024, a worker sustained	RC	2024-01-22	С
		an injury after falling four feet above grade while	(APSC)		
		pulling material from under a tarp. The worker			
		received first aid on scene, and was then transported			
		to a hospital for medical treatment. There were zero			
		(0) orders issued to the University.			
		JOHSC/LST General Learnings/Discussion Points: As a			
		reminder, any workplace incident that has caused a			
		serious or life-threatening injury, plus all other			
		immediately reportable incidents, must be reported			
		to Campus Security at 604-822-2222 (after calling			
		911 emergency services) as part of the incident			
		response. More information regarding what to do in			
		the event of a serious incidents, possible serious			
		incident, or other immediately reportable incidents			
		can be found on the SRS Website. Encourage			
		everyone to report incidents and near misses into			
		CAIRS within 48 hours of the occurrence so that a			
		preliminary investigation can be completed within 48			
		hours as required by section 71 of the Workers			
		Compensation Act Reminder that incident			
		investigations require a site visit that must be			
		completed within 30 days, and include a detailed			
		description of incident, unsafe conditions,			
		contributors, causes, corrective actions, and the			
		name of the participating worker representative.			

* REC – Recommendation Letter

10. NEW & OTHER BUS	SINESS				
Item # (NB-yy/mm/dd-01)	Priority	Discussion and/or Action Items	Assigned To	Date to be Completed	Status



10. NEW & OTHER BUS	SINESS			
		Items arising from LST meetings for February meeting:		
NB-24-02-14-01	С	BRIM: A frequent intruder of APSC buildings and ICICS, was arrested in Brimacombe on Friday, February 2nd evening, after hiding out in a washroom 30 minutes before closing time. He had taken up residency in our lounge and was removed by Campus Security earlier in the day. Campus Security is working with the RCMP to prohibit him from campus again. If they is sighted, we are to call CS and the RCMP non-emergency 604 224 1322.	GL (BRIM)	С
NB-24-02-14-02	С	CHBE, CERC, & BRIC: Updated the Building Emergency Response Plan as per the new changes. Being reviewed by the LST and will be voted for approval in the following meeting.	EH (CHBE)	С
NB-24-02-14-03	С	ECE: Work Day training reports update. Unknown spill outside of MacLeod and ICICS. Fire Chief has approved of a location for the Kaiser/Macleod hazardous materials disposal cage.	SF (ECE)	С
NB-24-02-14-04	С	MTRL: Completed semi-annual inspections and re-inspections.	HE (MTLR)	С
NB-24-02-14-05	С	 MECH: Welcome to new LST members for MECH. Thomas Beer (Undergraduate Students), Marzieh Alishahi (Graduate Students) as well as three Faculty; Adam Clare, Kefei Wen and Alex Tavasoli. Watch out for Stephen Bueckert and call campus security if seen. Image shared with MECH staff and faculty. Eyewash stations in CEME/KAIS registered as being too cold this week. They have been fixed but Building Ops gave us the following feedback: "Checked all those eye wash stations, rebuilt or adjusted the mixing valves, all temperatures now meet the requirement. Due to long hot water line and low hot water consumption, there is a need to wait for a while for hot water to come to the tap. The eye wash temperature may be too low at first, need to run the tap to bring the temperature to normal few 	MF (MECH)	С



10. NEW & OTHER BUS	SINESS			
		minutes later." We do not think this is good enough as in an		
		emergency situation, you cannot wait for a few minutes.		
		NEW BUSINESS		
NB-24-02-14-06	E	Building Emergency Response Plan (BERP): The 2024 BERP	RC	С
		template has been updated and accompanied by a list of changes	(APSC)	
		(available on share-point). Please remember to annually review		
		the BERP for your building and distribute a final copy to all the		
		building occupants. One of the most notable changes in the BERP		
		this year is the requirement to email a copy of the completed		
		BERP to safety.risk@ubc.ca with any completed individualized		
		evacuation plans removed. Remember to schedule an annual fire		
		drill once within a calendar year! Instructions on how to schedule		
		a drill is included in the BERP along with guidance on what to do		
		for disability and accessibility considerations.		
NB-24-02-14-07	E	Duty to Cooperate & Duty to Maintain Employment: Effective	RC	С
		January 1, 2024, amendments to the Workers' Compensation Act	(APSC)	
		introduce the Duty to Cooperate and the Duty to Maintain		
		Employment, aiming for a more collaborative return-to-work		
		process for employees recovering from workplace injuries or		
		illnesses. Please refer to the attached document (available on		
		share-point), which provides further insights and guidelines. For		
		assistance and further details regarding the Stay at Work/Return		
		to Work Program, please contact Grace Wang, Manager, RTW &		
	С	Accommodations.	DC	C
NB-24-02-14-08	L	MANDATORY Chemical Weapons Declaration for 2023: Please complete and submit the survey by February 23, 2024. The link	RC (APSC)	С
		for the survey is: <u>Take the survey</u> Please note: This survey may	(APSC)	
		not be compatible with all browsers or mobile devices. If you		
		have problems completing the survey try to copy and paste the		
		URL below into another internet browser:		



10. NEW & OTHER BU	ISINESS			
		https://ubc.ca1.qualtrics.com/jfe/form/SV_aVhZjXTHsBgld7U If you have any questions, please do not hesitate to contact Rich Wambolt at SRS.		
NB-24-02-14-09	С	Review previous 2019 posters on 'Duty to Report" and 'Incident Reporting' to see if either should be re-distributed as a follow-up to CAIRS statistics reviewed last month.	RC (APSC)	C
		Informational Items		
NB-24-02-14-10	E	 SRS: Pink Shirt Day: On February 28, wear pink to show your support for an end to bullying and harassment in our communities. At UBC, we strive to provide a safe, respectful and productive environment for our faculty, staff and students. The <u>UBC Respectful Environment Statement</u> outlines our principles about creating a respectful environment for all. Visit <u>https://www.pinkshirtday.ca/</u> for more information. JOHSC and LST Training: New dates have been released for JOHSC and LST training <u>here</u>. 	RC (APSC)	C
NB-24-02-14-11	E	 <u>Road Safety at Work</u> <u>WHMIS Newsletter</u> <u>Healthy UBC</u> WorkSafeBC: <u>Activity-related soft tissue disorders of the limbs</u> <u>eNews</u> <u>Recent work-related incidents reported to WorkSafeBC</u> 	RC (APSC)	C

*NB – New Business

1. NEXT M	1EETING
Date:	Wednesday, March 13, 2024



1. NEXT MEETING				
Time:	09:00 - 10:30			
Location:	Hybrid: In person (CEME 2202) & Zoom			
2. MEETING ADJOURNED				
10:04 Moved by: Markus Fengler				

LEGEND

PRIORITY:		STATUS:	
Α	Critical/Life-threatening/high probability		New
В	Urgent/moderate probability of re-occurrence	R	Repeat
С	Important/low probability of re-occurrence	С	Complete
D	Reminders	IP	In Progress
E	Information	RF	Referred forward

Monthly Distribution and Posting of Approved Meeting Minutes (Required):

- Responsible VP
- Responsible Managing Director/Dean
- All JOHSC members
- Internal Communications Person
- Safety & Risk Services <u>ubcsafety.committee@ubc.ca</u>

Second by: Ailish Statham

• Posted on any Safety Bulletin Boards (if applicable)