

Faculty of Engineering
Joint Health and Safety Committee Minutes
August 10, 2022 (Virtual Meeting)

FINAL

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Management Member	Department	Attendance
Jonathan Bradley	Engineering Physics	Absent
Robert Fleisig	Experiential Learning Office	Present
Fei Geng	SEPT (BTech/SEP)	Absent
Carlos Filipe	Chemical Engineering	Regrets
Yiping Guo	Civil Engineering	Regrets
Wenbo He	Computing and Software	Absent
Doug Keller - (<i>Certified Member</i>)	Management Cert. Member	Present
Marek Niewczas	Materials Science	Absent
Shahin Sirouspour	Electrical Engineering	Absent
Kristina Trollip	Management Staff Rep.	Absent
Stephen Tullis (Co-Chair)	Mechanical Engineering	Present
Vacant – Alumni	Alumni	-
Worker Member	Department	Attendance
Tyler Ackland	Electrical Engineering	Absent
Parmveer Bola	iBiomed	Regrets
Monica Han	Civil	Regrets
Maddison Conway (CUPE)	CUPE	Regrets
Michael Lee	Mechanical Engineering	Absent
Natalie Mari	SEPT (BTech/SEP)	Present
Heera Marway	MMRI	Absent
Ed McCaffery	Materials Science	Absent
Simon McNamee	Engineering Physics	Absent
John Nakamura (<i>Co-Chair</i>)	Computing and Software	Present
Timothy Stephens (<i>Certified Member</i>)	Chemical Engineering	Present
Doris Stevanovic (<i>Certified Member</i>)	CEDT	Absent
Kent Wheeler	Civil	Absent
Vacant	General Eng	-
Vacant	Biomedical	-
Vacant	Hatch Building	-
Consultants/Guests	Department	Attendance
Leah Allan	EOHSS	Regrets
Alicia Westfall	EOHSS	Present

ISSUES FOR CENTRAL TO ADDRESS	Action Items
None.	

1. Minutes and Announcements

<p>Minutes Approval:</p> <p>Stephen Tullis Management Co-Chair: _____</p> <p>John Nakamura, Worker Co-Chair: _____</p> <p>July 2022 – Minor change made to the minutes.</p> <p>We did not have quorum for approval.</p>	<p>August 10, 2022 Minutes sent to EOHSS on , 2022</p>
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2. Business Arising

<p>1. Room Inspection Summary Lists (September–August yearly)</p> <p>-None.</p>	
<p>2. Room inspections – Lab inspections – extra eyes</p> <p>None.</p>	

3. New Business

<p>Terms of Reference</p> <p>-J. Nakamura asked the committee to review the JHSC Committee Terms of Reference (November 2021 version) located in Teams in the Terms of Reference channel.</p> <p>Worker Co-Chair Selection</p> <p>-Paused until September 2022 meeting due to lack of quorum. S. Tullis indicated that he would serve another term as Co-Chair.</p>	
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4. Incident Reports

<p>A. Westfall presented an incident that occurred in Chemical Engineering:</p> <p>Incident JHE-222:</p> <p>Healthcare incident involving a student who was working JHE-222. It was reported that a fume hood with TE/MED, when trying to put the lid back on the bottle, white fumes came out from under it. The student reported eye irritation almost immediately afterwards. The irritation was still felt even though the student was wearing protective eye wear over prescription glasses and proper PPE. The eyewash station in JHE-222 was found to be rusted and the eye covers were cracked so student went to the washroom on another floor to rinse eyes. The area was later inspected, and it was found that there had been a large spill of hydrogen chloride</p>	
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36% in the fume hood that was not previously cleaned up properly. The fume hood was found to not be functioning properly by the lab technician even though it appeared to be function as other students had been using it.

Supervisor comments:

During a department safety inspection on July 12, it was found that the fume hood in JHE-222 had not been inspected by Facility Services team since 2019. However, no corrective actions were taken in response to this discovery, Facility Services was not contacted, and no steps were taken to inform those working in the lab that fume hood was not working properly and should not be used.

Corrective Action: Facility Services was contacted on Aug 4 at 3pm and was notified that the fume hood had not been inspected in a while and appeared to not be working well: not enough draft, no pressure on the gauge. On Aug 5, Facility Services team tested the fume hood, and it was found to have failed the inspection by air velocity low as 60fpm. A sign was put on the fume hood not to use it and a corresponding email was sent out to researchers working in the Environmental Systems Labs. Facility Services is currently in the process of accessing what caused the velocity to drop and will make necessary repairs/upgrades to restore functionality including pressure gauge and test meter that would show it is in good working order. The bench top inside the fume hood will be extensively cleaned.

D. Kelly clarified that this space belongs to Civil Engineering lab who have been sharing the space with Chemical Engineering. The fume hood has multiple uses. One user spilt hydrochloric acid and the one who was affected, was using a cross linking agent. Initially it was thought the fume hood was not drawing at all as it uses a monometer and the fluid had dried out which causes a readout of 0. Upon further inspection the reading was 60 feet per minute which is below the university standard of 80:120. It was thought that the liquid had dried out but the ventilator was functioning when it was tested. The technician came over to measure and found a damper to be slightly closed and a slipping belt. These issues were repaired and then the fume hood was remeasured and found to be at 80mps. There was a huge number of administrative controls that were changed such as safe training, inspections etc. that affect this issue. Short description will be placed near the fume hoods to inform users how the monometer works and that it needs to be checked and refilled as well as the replacing the 9V battery as required. D. Kelly also suggested to them that since there are multiple groups using the fume hood that an indicator be place on the hood as to what types of chemicals are being used as well as hanging a sash or Kimtech sheet on the fume hood as a visual aid.

The eye washing station is also being addressed. It was also noted that there is an eye washing station in JHE-223. The group was reminded that the functionality of the eyewash station is part of the inspection process.

5. Safety Reports

AREA	REPORT SUBMITTED
1. CAS	YES. Report received by Melissa Robinson ABB labs Reported Issues: -Garbage/waste bins missing -Pink emergency evaluation signs on the 5 th floor missing. A. Westfall will send some to J. Nakamura.
2. Chemical Engineering	T. Stephens performed some inspections. Reported Issues: -Offices with missing molding with exposed wiring -Office with a shared microwave that was not properly cleaned. Lysol were purchased and the microwave was clean -Lab issues with labeling, flammable storage protocols. -Liquid nitrogen being used with out proper gloves. L. Allen is being consulted on the appropriate type of gloves which she has ordered.
3. Engineering Physics/CEDT	No.
4. Civil/ADL Engineering	No.
5. General	No.
6. iBiomed	No.
5. Electrical Engineering	No.
6 Engineering 1	No.
7. Mechanical Engineering	No.
8. Materials Science & Eng.	No.
9. MMRI	No.
10. SEPT	No.
11. HATCH	No.

6. Central Committee Minutes/Incidents

None. A. Westfall reported that central on hiatus for the summer. The Education topic from June meeting was The Right to Disconnect policy which was distributed.	
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7. Other Business

None.	
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8. JHE Restructuring

None.	
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Motion to adjourn: No motion due to not enough members for quorum

NEXT MEETING: Wednesday, September 14, 2022

PLEASE NOTE: If you cannot attend this meeting, please send regrets to Caroline or Melissa at thehub@mcmaster.ca