

Faculty of Engineering
Joint Health and Safety Committee Minutes
March 13, 2019

Management Member	Department	Attendance
Lucian Balan	SEPT (BTech/SEP)	Absent
Robert Fleisig	Engineering 1	Present
Fei Geng	SEPT (BTech/SEP)	Absent
Wenbo He	Computing and Software	Present
Doug Keller - (<i>Certified Member</i>)	Management Cert. Member	Present
Dmitri Malakhov (<i>Co-Chair</i>)	Materials Science	Present
David Novog	Engineering Physics	Present
Shahin Sirouspour	Electrical Engineering	Absent
Ken Sivakumaran	Civil Engineering	Present
Stephen Tullis	Mechanical Engineering	Regrets
Carm Vespi	Alumni	-
Li Xi	Chemical Engineering	Present
Worker Member	Department	Attendance
Tyler Ackland	Electrical Engineering	Absent
Jessica Anderson	Engineering 1	Regrets
Monica Han	Civil	Present
Michael Lee (<i>Nicole McLean attended</i>)	Mechanical Engineering	Present
Adam Lenarcic	CUPE – Unit 1 (General Eng)	Present
Morgan MacDonald	SEPT (BTech/SEP)	Absent
Heera Marway	MMRI	Present
Ed McCaffery	Materials Science	Present
Simon McNamee	Engineering Physics	Present
John Nakamura (<i>Co-Chair</i>)	Computing and Software	Present
Leela Pilli	iBiomed	Present
Talena Rambarran	CUPE	Present
Timothy Stephens (<i>Certified Member</i>)	Chemical Engineering	Present
Doris Stevanovic (<i>Certified Member</i>)	CEDT	Present
Kent Wheeler	Civil	Regrets
Daniel Picone	Hatch Building	Present
Vacant	General Eng	-
Vacant	Biomedical	-
Consultants/Guests	Department	Attendance
Leah Allan	EOHSS	Present
Carlos Figueira	Facility Services	Present
John Beardman	Orkin Canada (Pest control)	Present

ISSUES FOR CENTRAL TO ADDRESS	Action Items
None	

1. Minutes and Announcements

<p>Minutes Approval:</p> <p>Dmitri Malakhov, Management Co-Chair: _____</p> <p>John Nakamura, Worker Co-Chair: _____</p> <p>No changes to February 2019 Minutes. Approved, 1st D. Keller, 2nd D. Stevanovic</p>	<p>February 2019 Minutes sent to EOHSS on March 25, 2019</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>	
<p>3. Mice in Engineering Building</p> <p>-Introduction of J. Baardman (by D. Malakhov)</p> <p>– J. Baardman gave a very detailed description of the procedures followed up by Orkin Canada to try to eliminate the mice infestation problem in JHE (and campus wide).</p> <p>- He gave some history of the mouse – they have been engineered, and came from South Asia. Developed into the house mouse.</p> <p>- These mice only live with human beings. Modified mating behaviour. This mouse can have babies every 21 days.</p> <p>- Boxes full of poison have been put outside of buildings – this normally works, but with the weather he has not been able to get to all boxes easily</p> <p>- Facility Services works with him on the state of the buildings. Main problem seems to be from the back of the building (Machine Shop)</p> <p>- 17 reports in Engineering were made so far.</p> <p>- Food intake in JHE is very high.</p> <p>- He offered advice/suggestions such as the removal of any food in desks, waste baskets etc. Put food into rigid flexible plastic containers for food or tins.</p> <p>- How can we get the message out?</p> <p>- D. Picone (Student Engagement Specialist) has offered to spread the word, for example where to put pizza boxes after a student function. He will contact student societies to spread the word (TV).</p>	
<p>4. HF – D. Malakhov</p> <p>- Device to measure HF and HCL concentrations (follow up comments from last meeting) – EOHSS has such a device.</p> <p>- Discussed buying a portable handheld HF device.</p> <p>- Will be purchased for Materials Department in the future.</p>	
<p>5. Designated Substance – lead assessment (M. Han)</p> <p>New version was put up on the member’s site. A discussion and some of the following comments were discussed:</p> <ul style="list-style-type: none"> • Decipher abbreviations. • Containment of waste. • Check knowledge by asking them to write a multiple choice quiz 	

containing 5-10 questions. <ul style="list-style-type: none"> • Number of people involved • Where will the solution be stored? • Glove material • Floor Plan 	
6. Dean's Inspection: Update - Daniel Picone is the new representative for the Hatch inspection area and now part of our committee (Worker member) and Christine Rich is the backup representative	

3. New Business

1. Leah Allan (EOHSS) Presentation ("Lab Inspection Review") - Helpful hints and recommendations from EOHSS on how to improve the quality and details of the Lab Inspections that are being done. - She is finding different problems and safety issues that are not being addressed in the inspection sheets. - She offered many suggestions and helpful hints for the Committee to look for when inspecting labs.	
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4. Incident Reports

1. JHE-208: Changing the Tool Holder on CNC milling machine, student pulled the holder as the tool moved – Band aid – minor injury - retrained the student on proper methods for removing the tool holder. 2. Off campus – (parking lot at MARC) While driving McMaster vehicle, person had a minor motor vehicle accident. Person was not at fault.	
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5. Safety Reports

AREA	REPORT SUBMITTED
1. CAS	Yes. Computer Labs: Lights out, contact lists need updating
2. Chemical Engineering	No.
3. Engineering Physics/CEDT	No.
4. Civil/ADL Engineering	Yes. (ADL) Hard copy received by G. Riddell (nothing major) Yes. A few offices. Garbage issues (contacted Facility Services) – They will follow up to ensure the garbage gets emptied. L. Allan – all areas need to be pro-active and notify Facility Services right away.
5. General	No.
6. iBiomed	No.
5. Electrical Engineering	No.
6 Engineering 1	No.
7. Mechanical Engineering	Yes. Hard copy received by G. Riddell
8. Materials Science & Eng.	No.
9. MMRI	No.
10. SEPT	No.

11. HATCH

No.

6. Central Committee Minutes/Incidents

<p>1. Burning sensation after removing gloves (what kind of chemicals were they working with?) They were wearing proper gloves and the students were instructed to change gloves when contaminated.</p> <p>2. Sodium Hydroxide on face – acid/base burn kit used.</p> <ul style="list-style-type: none"> - Should we have this available in all labs - EOHSS does not want you to administer first aid with homemade kits. Best to have emergency response team come. - Water is always a good idea until help arrives. <p>3. Student from Engineering was transporting hydrofluoric acid in a backpack on the bus from McMaster to MARC. Why? There was HF at MARC so no need to bring their own bottle.</p> <ul style="list-style-type: none"> - EOHSS followed up diligently both at McMaster and at MARC. - Student was asked to take the HF training. - Beth McNally is responsible for the HF at MARC and all should go through her to confirm that proper training has been provided. - It is the responsibility of the supervisor for the safety of their students. <p>4. Defibrillators – Engineering needs to have something in place to inspect the defibrillators.</p> <ul style="list-style-type: none"> - How to inspect them and what to look for and who is looking into this? <p>5. Engineering has experiments going on in houses in Westdale. Engineering Physics (Dr. Fang) Who is looking at inspecting these houses?</p> <p>6. Traffic on Campus: There is a crackdown on people texting, not paying attention etc. 2 individuals have been hit in crosswalks. Also a problem with people stopping in front of buildings.</p>	<p>L. Allan to check if any legal documentation regarding this transportation of chemicals</p> <p>L. Allan will check to see if they are being inspected or not.</p>
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7. Other Business

<p>Defibrillator inspections. E. McCaffery has volunteered to inspect the units.</p> <p>1. Ongoing issues with sub-contractors. Disconnecting the exhaust pipes from equipment and a complaint was filed.</p> <ul style="list-style-type: none"> - L. Allan looked into this problem. This lab was never meant to be a lab. It was originally a printer room and then turned into a lab. It needed exhaust so piping was produced and hooked into a duct in the hallway (duct-taped). That's why it gets disconnected. A permanent fix has been made. 	<p>L. Allan will follow up to confirm that a permanent fix has been found.</p>
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2. Hydrofluoric acid is used in the Clean Room used by TA's. We would like EOHSS advice on what kind of training they should have.	
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8. JHE Restructuring

Send any new restructuring to J. Nakamura.	
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Motion to adjourn: 1st – D. Keller and 2nd – D. Novog.

NEXT MEETING: Wednesday, April 10, 2019 in JHE-A114 at 9:30am.

PLEASE NOTE: If you cannot attend this meeting please send regrets to Ginny Riddell at ginny@mcmaster.ca