

Faculty of Engineering
Joint Health and Safety Committee Minutes
June 8, 2016
9:30 am, JHE-114

Management Member	Department	Attendance
Robert Fleisig	Engineering 1	Regrets
Fei Geng	BTech	Regrets
Wolfram Kahl	Computing and Software	Present
Doug Keller - (<i>Certified Member</i>)	Management Cert. Member	Regrets
Vladimir Mahalec	SEP	Absent
David Novog	Engineering Physics	Present
Nigel Schofield - (<i>Co-Chair</i>)	ECE	Present
Ken. S. Sivakumaran	Civil Engineering	Regrets
Stephen Tullis	Mechanical Engineering	Present
Carm Vespi	Alumni	
Jie Yu	Chemical Engineering	Absent
Igor Zhitomirsky	Materials Science	Regrets
Worker Member	Department	Attendance
Tyler Ackland	Electrical Engineering	Present
Dulcie Amaral	SEP	Regrets
Paula Gremmen	BTech	Present
Peter Jonasson	Engineering Physics	Absent
Frances Lasowski	CUPE – Unit 2	Regrets
Adam Lenarcic	CUPE – Unit 1	Present
Michael Lee	Mechanical	Present
Ed McCaffery	Materials Science	Present
John Nakamura (<i>Co-Chair</i>)	Computing and Software	Present
New member needed	Civil	
Florence Rosato	Mechanical	-
Doris Stevanovic (<i>Certified Member</i>)	CEDT	Present
Timothy Stephens	Chemical Engineering	Present
Elizabeth Takacs	MMRI	Present
Teresa Trimboli	Computing and Software	Present
Kent Wheeler	Civil	Regrets
Jerome Yuan	MMRI	Present
New member needed	Biomedical	
New member needed	Engineering 1	
Consultants/Guests	Department	Attendance
Dane DeMan	EOHSS	Present
ISSUES FOR CENTRAL TO ADDRESS		Action Items

Management Member	Department	Attendance
None		

1. Minutes and Announcements

<p>Minutes Approval:</p> <p>Nigel Schofield, Management Co-Chair: _____</p> <p>John Nakamura, Worker Co-Chair: _____</p> <p>The minutes for May 2016 were approved with some wording changes to page 3, item 2.4 and 3.2, as requested by Dane DeMan.</p>	<p>Final May Minutes were submitted to EOHSS on June 24, 2016</p>
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2. Business Arising

<p>1. Hatch Building Update</p> <p>Dane will check with the project manager and invite him to the next meeting to present an update.</p> <p>2. Room Inspection Summary Lists</p> <p>-None submitted – On-going.</p> <p>3. Update from Facility Services: Fire Alarm JHE</p> <p>Facility Services have completed their inspections and an audit was done. Several deficiencies were noted – i.e. alarms not being heard in various locations. Data was sent out to an Engineering consulting firm for review. Dane DeMan will report back to this Committee once a plan is put together.</p>	<p>Dane to contact Norm.</p> <p>Follow up on outstanding summary lists.</p> <p>Dane DeMan to contact Brian McDougal for an update.</p>
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3. New Business

<p>1. Camps start in July (Venture/LEAP)</p> <p>Dane DeMan has reached out to the camps. What are their plans for student's safety?</p> <p>- will invite Carm Vespi for updates/explanations on new improvements - camps have invested in special gloves for glue guns</p> <p>There are still some traffic issues with the crosswalks in front of the Hatch building construction site. People were reminded that school children will be on campus attending the Engineer-</p>	<p>Contact Security re traffic concerns and patrol.</p>
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ing camps. It was suggested to increase security patrol to the area.

2. Launched WHMIS 2015 training - module is now available

- transition between old and new legislation
- new language and symbols
- Dane to send out posters showing new symbols
- MSDS is to become SDS
- It is the responsibility of the Manufacturer/Supplier to update the SDS

3. Michael Lee mentioned that power was briefly off for about 20s, this morning in JHE. This unexpected power outage meant that a lot of equipment had to be reset. Jobs in progress on 3-D printers were lost. The outage was related to the Hatch construction project. The project manager should be made aware of the consequences of unplanned power outages.

4. With regard to lab inspections, two pairs of eyes doing the inspections is a very good thing.

Serious concerns were noted following inspections of the ETB Clean Room facilities. See Safety Reports, Sec. 5, No. 5, below.

The inspectors met with Jamal Deen and Matier Howlader to discuss their concerns.

Deficiencies such as lack of student training and not enforcing H&S policies were noted. A high voltage power supply was open and not locked out.

Dane DeMan stated that it is still the supervisor's responsibility to ensure proper safety training, record keeping, and to perform workplace inspections, as part of their due diligence.

In this particular lab, there are at least five supervisors whose students are using the facilities.

Contact Hatch project manager with concerns.

4. Incident Reports

Two for the month of May, 2016.

- 1.) JHE-A203 While preparing to perform electrochemical testing on an electrode was sliding a glass tube through a hole in the rubber stopper, and it jammed. Attempted to

<p>push tube through and it fractured, cutting hand. Person re-instructed on procedure. Larger hole will be drilled in rubber stopper and lubricant used, and no force to be applied when inserting tube.</p> <p>2.) ITB-164 Employee reports discomfort due to elevated temperature in office area over several days.</p>	
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5. Safety Reports

AREA	REPORT SUBMITTED
1. MMRI	Yes. Some bulbs were out.
2. Chemical Engineering	<p>Yes.</p> <p>JHE- 139: Several infractions were noted. Eight students were not wearing eye-protection and quickly put on goggles, once the inspectors arrived. Samples were stored in aisles and - trip hazard. Samples not properly labelled – identify boxes with samples using a group label.</p> <p>JHE-253: SOP not available for the equipment in the room.</p> <p>A number of recapped needles were found. Should not recap needles.</p> <p>JHE-257C: Materials not within good reaching range – suggest getting a step-stool.</p> <p>Emergency fire route not posted.</p> <p>Chemical spill kit missing. MSDSs not updated.</p> <p>Gas cylinder not properly strapped.</p> <p>Lab door found propped open because not all occupants have the key. Noted that this is a BSL1 lab.</p> <p>ESA stickers missing from equipment.</p> <p>No Eating/drinking sign missing.</p> <p>Signs lacking on fridges, re: contents.</p> <p>The supervisor or lab manager should be doing regular audits of the lab and the department chair should be made aware of the concerns and infractions.</p>
3. Engineering	Yes.

Physics/CEDT	<p>Two labs in ETB:</p> <ul style="list-style-type: none"> - Spill kit move to an accessible place - Waste labels missing or wrong label used - Waste bottles on the floor - Some lights were out - SOP for laser cutter missing <p>Optics lab:</p> <ul style="list-style-type: none"> - MSDS sheets not found - Bio labcoats touching - Shock from touching metal table
4. Civil Engineering	
5. Electrical Engineering	<p>Yes. ETB 308:</p> <p>Eye-wash not checked regularly – rusty water. Clean room gowning-up bench in way of eye wash station when exiting lab. ETB 308/B: MSDS out of date. Floor cluttered with boxes. Proper workplace labelling needed. Chemicals present (BPA), but no personal protective equipment. Flammable adhesive sprays in an unlabelled cabinet. Several items and equipment without ESA stickers. What is the proper procedure for getting ESA certified equipment? Fire extinguisher inspection out of date. Students wearing shorts and t-shirts in chemical lab, no safety goggles. No biological spill kit. No mercury spill kit for Hg vapour lamps.</p>
6 Engineering 1	
7. Mechanical Engineering	<p>Yes. Offices inspected. Several light were out and radiator grills blocked with books and plants.</p>
8. BTech	<p>Yes.</p> <p>ETB B103, Function generators and dc power supplies need To be certified.</p> <p>ETB B104, Phone needs Emergency number sticker Vent needs to be cleaned Emergency evacuation plan to</p>

	<p>be posted. Emergency contact needs to be posted.</p> <p>ETB B106,</p> <p>SEL protection relays must be grounded properly. Heater cones need to be certified. Fire extinguisher needs to be inspected. Vents need to be cleaned.</p> <p>ETB B121</p> <p>CSA approval sticker needed for VWR pulsing vortexer mixer, Scilogex vortex mixer and Cogent uScale Ultrafiltration unit Refrigerator needs No Flammables sticker Update the VWR pulsing vortex mixer and the Scilogex vortex mixer do have ESA recognized certification marking acceptable by the ESA.</p> <p>ETB 310</p> <p>Glacial acid acid store incorrect cabinet. This has been corrected by transferring to a flammables cabinet. MSDS need updating</p> <p>ETB 311</p> <p>Eppendorf Vacufuge needs CSA approval sticker First aid kit needs inventory and date checked. This has been corrected MSDS need updating Refrigerator needs No Flammables sticker</p> <p>ETB 312.</p> <p>Sartorius top load balance (7) need CSA sticker - Correction All balances have CSA approved adapters. Fume hood #2 alarm when fully opened not functioning</p> <p>ETB 312/A</p> <p>Water damage on one ceiling tile and 1 tile shifted to observe leak. Change cabinet label to Base from Acid. This has been corrected</p>
9. CAS	
10. SEP	
11. Materials Science & Eng.	Yes. Sent in to Ginny.
12. General Engineering	Yes. Several lecture theatres inspected – no concerns.

6. Central Committee Minutes/Incidents

<p>A reminder that the MOL blitz on campus concerns training of young workers.</p> <p>MOL inspections also noted the risk associated with storing of old chemicals. These should be properly disposed of.</p>	
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7. Other Business

None	
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8. JHE Restructuring

None	
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Motion to adjourn at 10:15am, 1st – D. Novog, 2nd – E. McCaffery

*NEXT MEETING: Wednesday, July 13, 2016 in JHE-A114 at 9:30am.

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