

**McMaster University
Faculty of Engineering
Joint Health and Safety Committee Minutes**

Wednesday, August 12, 2009

9:30 a.m. - 12:00 p.m.

JHE A114

| Management Member | Department | Attendance |
|--------------------------------|-------------------------|-------------------|
| Mukesh Jain (Co-Chair) | Mechanical | Present |
| Prashant Mhaskar | Chemical Engineering | Present |
| Michael Tait | Civil | Absent |
| Michael Soltys | Computing and Software | Absent |
| James Chen | ECE | Present |
| Qiyin Fang | Engineering Physics | Present |
| Doug Keller (Certified Member) | Management Cert. Member | Present |
| Marek Niewczas | Materials Science | Present |
| Carm Vespi | Alumni | |

| Worker Member | Department | Attendance |
|------------------------------------|------------------------------------|-------------------|
| John Nakamura (Co-Chair) | Computing and Software | Present |
| Doris Stevanovic | CEDT | Regrets |
| Justyna Derkach (Certified Member) | Chemical | Present |
| Anna Robertson | Civil | Regrets |
| Kent Wheeler | Civil | Present |
| Peter Koudys | Civil | Present |
| Terry Greenlay | Electrical & Computing Engineering | Present |
| Peter Jonasson | Engineering Physics | Present |
| Jeanne Norris | General Engineering | Regrets |
| Rob Lemmon | Materials | Present |
| Jim McLaren | Mechanical | Present |
| Maneesh Khanna | MMRI | Present |
| Elizabeth Takacs | MMRI | Present |
| Frances Lasowski | CUPE | Absent |

| Consultants | Department | Attendance |
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| Sheila Rieth | EOHSS | Present |

ISSUES FOR CENTRAL TO ADDRESS

Action Items

No issues were reported.

1. Minutes

Minutes for July were approved.

July's final minutes were sent to EOHSS on August 25th, 2009

Minutes Approval:

Dr. Mukesh Jain, Management Co-Chair: _____

John Nakamura, Worker Co-Chair: _____

2. Business Arising

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| <p>a) Spill Kits in ABB Store</p> <p>Committee agreed to comment no further on this topic.</p> | |
| <p>b) Designated Substances:</p> <p>Lead (balls) – M Jain explained the purpose of Lead (balls) Was reviewed by committee and will be posted on Faculty of Engineering JHSC webpage.</p> <p>Silica – P Koudys invited to about silica - explained how silica is used and its purpose. Was reviewed by Committee and will be posted on Faculty of Engineering JHSC webpage.</p> <p>MDI – J Derkach explained the purpose of MDI. Was reviewed by committee and will be posted on Faculty of Engineering JHSC webpage.</p> <p>Mercury – To be addressed: Accidental breakage, aspects of exposure of filling (L Allan contact for mercury vacuum) and steps for approval of paper work.</p> | |
| <p>c) LearnLink – Replacement?</p> <p>The committee will have an “in-house” server. There will be link to JHSC in the Faculty of Engineering’s webpage and each member will be able to access it with a login name and password. The link will contain all files as in LearnLink and will also include a “comment box” for committee. Next meeting agenda and minutes will be posted on new JHSC link.</p> | |

3. New Business

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| <p>a)SOP</p> <p>Venture Camp, Claw Hammer</p> <p>Venture Camp, Power Drill</p> <p>Venture Camp, Hand Saw</p> <p>All three Venture Camp SOP’s were written as per procedure but did not contain the official SOP cover page.</p> | |
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| EOHHS will notify Administrator about this. | |
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4. Incident Reports

JHE 207C, June 23 – Student was changing the chuck on the #1 lathe and when he lifted the chuck from the lathe bed to transfer it to the cabinet the weight off the chuck and some oil on its surface caused it to slip of his hands. The technician assisting with the removal stabilized the chuck in the students hands and helped control the decent allowing the chuck to be placed gently on the floor. The initial fumble caused a scratch and a bump on the right wrist from an edge of the chuck jaw. Corrective measure: The changing of lathe chucks will be by the Technical staff only. Assistance of others will be “as required” on the instruction of the technician overseeing the operation. To ask for assistance if unsure of the safe procedure for transferring heavy loads.

JHE 104A, July 9 – An individual was using a scalpel to perform dissection. The individual poked his finger with the back end of a sharp blade (a portion close to the scalpel handle) Corrective measure: Supervisor discussed correct method to hold scalpel.

JHE 204, July 23 – Two students were passing through a congested area in JHE 204, when they ran into each other. One of the students fell against a bookshelf, which flipped over, making contact with his right forearm and cutting it. The student went to emergency and saw a doctor, no stitches required. Corrective measures: Barriers to be moved and bookshelf to be fastened to wall or removed from area.

JHE 106B, August 4 – a Technical Coordinator was checking a piece of steel (5 inches dia. 36” lg. to determine its grade (possibly stamped on its end.) When he started to elevate the end of it, he lost his grip and the weight rolled onto his left middle three fingers. Corrective measures: Area will be organized and workers will be instructed to seek help with heavier objects.

JHE 349, August 5 – A nitrogen tank was opened to purge ammonia and then closed. Ammonia tank opened (regulator pressure at 0), once opened pressure increased to 6 atm. and o-ring broke causing the leak. Corrective measures: Defective valve will be repaired and put in place a procedure for verifying that it works. SOP will be improved by including one more precautionary check. The regulator will be

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| replaced. | |
| JHE 213C, August 5 - EOHSS received a telephone call from an assistant professor reporting an ammonia leak from a cylinder in lab JHE 349. He reported no immediate fire or explosion hazards and that the lab was locked. The lab contains Carbon Monoxide and Hydrogen sensors only. Security was notified of the situation. Facility Services were contacted and began full air exhaust and return of Lab 349. | |

5. Safety Reports

| Area | Report submitted |
|-----------------------------------|------------------|
| CAS | No |
| Chemical Engineering | Yes |
| Civil Engineering | Yes |
| ECE | No |
| Engineering Physics and CEDT | No |
| General Engineering | No |
| Materials Science and Engineering | No |
| Mechanical Engineering | Yes |
| MMRI | No |

Chemical, Civil and Mechanical Engineering reported no major issues.

6. Central Committee Minutes

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| June 2009 CJHSC minutes have been posted on EOHSS website. CJHSC minutes and incident reports can be found in the following link: www.workingatmcmaster.ca/ehss | |
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7. Other Business

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| No comments | |
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8. Re-structuring

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| No Comments | |
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The meeting was adjourned at 10:17 a.m.

NEXT MEETING: Wednesday, September 16, 2009 at 9:30 a.m. in JHE A114.

PLEASE NOTE: If you cannot attend this meeting please send regrets to G Rivas at

engfac@mcmaster.ca