

Faculty of Engineering
Joint Health and Safety Committee Minutes

Wednesday, May 8, 2013

9:30 a.m. – 10:30 a.m.

JHE A114

Management Member	Department	Attendance
Ian Bruce (Co-Chair)	ECE	Present
Kostas Apostolou	BTech	Absent
Carm Vespi	Alumni	Absent
Doug Keller (Certified Member)	Management Cert. Member	Present
Wolfram Kahl	Computing and Software	Present
A. Ghani Razaqpur	Civil Engineering	Absent
Marek Niewczas	Materials Science	Present
Jie Yu	Chemical Engineering	Regrets
Mohamed Hamed	Mechanical Engineering	Absent
Leyla Soleymani	Engineering Physics	Regrets
Andy Knights	Engineering Physics	Absent
Robert Fleisig	Engineering 1	Absent
Vladimir Mahalec	SEP	Absent

Worker Member	Department	Attendance
John Nakamura (Co-Chair)	Computing and Software	Present
Anna Robertson	Civil	Present
Doris Stevanovic	CEDT	Present
Dulcie Amaral	SEP	Absent
Elizabeth Takacs	MMRI	Regrets
Jim McLaren (Certified Member)	Mechanical	Present
Michael Lee	Mechanical	Present
Ed McCaffery	Materials Science	Present
Justyna Derkach (Certified Member)	Chemical	Present
Kent Wheeler	Civil	Present
Maneesh Khanna	MMRI	Regrets
Frances Lasowski	CUPE	Regrets
Jessica Anderson	Engineering 1	Present
Omar Danta	BTech	Present
Peter Jonasson	Engineering Physics	Absent
Tyler Ackland	Electrical & Computing Engineering	Present
Teresa Trimboli	Computing and Software	Present

Consultants	Department	Attendance
Dane DeMan	EOHSS	Present

ISSUES FOR CENTRAL TO ADDRESS	Action Items

1. Minutes & Announcements

<p>Minutes Approval:</p> <p>Ian Bruce, Faculty Co-Chair: _____</p> <p>John Nakamura, Worker Co-Chair: _____</p> <p>Approval of April 2013 minutes. Motion to approve. J. McLaren, seconded by D. Keller.</p> <p>Announcement(s):</p> <p>This committee would like to thank J. McLaren, who is resigning at the end of May, for his long service with the committee.</p>	<p>Final April minutes were submitted to EOHSS on May 08, 2013</p>
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2. Business Arising

<p>Summary for Room inspections – Due in Sept</p> <ul style="list-style-type: none"> • Eng Phys is still working on them. <p>NAOSH Week – May 5 – 11</p> <ul style="list-style-type: none"> • BBQ for NAOSH today. • D. Stevanovic and J. Derkach are nominated for Excellence in Safety award. • New training schedule is up. <p>JHE 326 Recommendation Letter: Response</p> <ul style="list-style-type: none"> • J. Nakamura – The Dean’s office raised the issue with facility services. According to the letter from facility services, they have worked on the following over the past few months: <ul style="list-style-type: none"> ○ Adjusted fresh air, return air and exhaust air dampers for proper mixing ○ Vented air from the glycol heating system numerous times, plumbers repaired the auto make up valve on the system ○ Plumbers unplugged glycol heating pump strainers, strainers 	
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<p>were plugged so there was a lack of heat during the very cold weather, during normal temperatures there was adequate heat.</p> <ul style="list-style-type: none"> ○ Moved and calibrated the mixed air sensor in the supply fan to allow for tighter control of the mixed air temperature ○ Calibrated thermo stats and showed customers how to adjust- this was done in the room ○ Responded to temperature complaints, some in the area were ok other s were uncomfortable ○ Scheduled the fan to run continuous during the cold weather ○ Plumbers installed vents on the high spots of the system to aid in purging air from the system. -if the system has air glycol will not reach the heating coils ○ Found the fan was tripping on freeze protection during the cold weather, have been adjusting the low temperature trip sensor location, problem is the fan has a very short fresh air/ mixed air blending box air , air is not fully blending causing cold sections and tripping the fan - design issue/space considerations ○ Adjusted the program several times to stabilize the supply fan temperatures during the cold weather <ul style="list-style-type: none"> ● Follow up with facility services to make sure the maintenance schedule is up to date for this room so this doesn't happen again. 	
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3. New Business

<ul style="list-style-type: none"> ● Kent Wheeler – Wentworth house is undergoing renovations and they have put portables in parking lot O, next to ADL. Daycare is moving down there, so there could be noise and dust complaints. D. DeMan said he will pass the message to day care people so they are aware of these issues. ● D. DeMan – Wentworth house demolitions is to begin next week, so there will be lots of trucks on campus around that time. ● Pedestrians should watch for Boarding around construction site. 	
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4. Incident Reports

None for the month of April.

J. McLaren - Incident report will be discussed next meeting. Someone without the knowledge of the student (who primarily works with this water heater) had plugged in the heater. The student didn't realize the heater was plugged in and the conduit melted. It is unclear who plugged the heater and why. Student was encouraged to file an incident report.

5. Safety Reports

Area	Report Submitted
B Tech	No
CAS	No
Chemical Engineering	Yes – 2 labs Small labelling issues being immediately rectified
Civil Engineering	Yes – marked ceiling tiles Two closets where numbers have been painted over.
ECE	Yes – no issues
Engineering 1	No
General Engineering	No
Eng Phys/CEDT	No
Materials Science and Engineering	No.
Mechanical Engineering	Yes Outdated hazard sheets, Outdated MSDS sheets
MMRI	No
SEP	No

6. Central Committee Minutes/Incidents

None

7. Other Business

J. Nakamura - Mechanical put in an SOP called “dissolution of aluminum alloy”. It is available in the members area of the Engineering JH&S website. The SOP deals with flammable liquids with low flash points. D.DeMan added that safety goggles as well as a face shield should be used when working with these chemicals (as mentioned in SOP).

<p>A. Robertson – It was discussed that MSDS sheets in labs may not be readily available in case of an accident in the lab. J. Nakamura is asked if he can set up a link on the engineering website so the MSDS sheets are available online in case someone cannot access the hard copies from inside the lab. J. Nakamura said he can put something up on the website.</p> <p>Omar Danta – who covers the cost of the first aid training. Someone from B.Tech was registering for the training and they got asked an account number. D.DeMan confirmed standard first aid training is free and it is possible the account # was asked in case the person registering doesn't show up. D. DeMan recommended that O. Danta follow up with EOHSS administrator.</p>	
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8. JHE Restructuring

None.	
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NEXT MEETING: Wednesday, June 12, 2013 in JHE A114.

Meeting adjourned by J. McLaren, seconded by A. Robertson.

PLEASE NOTE: If you cannot attend this meeting please send regrets to Usama Seraj at engfac@mcmaster.ca

MANAGEMENT RESPONSE TO Engineering JHSC HEALTH & SAFETY REPRESENTATIVE

RECOMMENDATION TO MANAGEMENT

DATE: April 15, 2013

TO: John Nakamura

FROM: Linda Coslovi

RE: JHE 326 Indoor Air Quality

Management agrees with the recommendation (circle): **Yes** **No**

Implementation for recommendation (timetable, actions taken, actions to be taken, etc.).

Facility Services contacted on February 28, 2013 for further investigation into the issue. Response Received April 15th from Facilities pasted below:

We are waiting for some repair parts and calibration equipment to come in, when received we will be in the area to further calibrate the controllers.

JHE 326, over the past few months, Facilities has worked on the following

- a) Adjusted fresh air, return air and exhaust air dampers for proper mixing
- b) Vented air from the glycol heating system numerous times, plumbers repaired the auto make up valve on the system
- c) Plumbers unplugged glycol heating pump strainers, strainers were plugged so there was a lack of heat during the very cold weather, during normal temperatures there was adequate heat.
- d) Moved and calibrated the mixed air sensor in the supply 1:1n to allow for tighter control of the mixed air temperature
- e) Calibrated thermo stats and showed customers how to adjust-this was done in the room
- f) Responded to temperature complaints, some in the area were ok other s were uncomfortable
- g) Scheduled the fan to run continuous during the cold weather
- h) Plumbers installed vents on the high spots of the system to aid in purging air from the system. -if the system has air glycol will not reach the heating coils
- i) Found the fan was tripping on freeze protection during the cold weather, have been adjusting the low temperature trip sensor location, problem is the fan has a very short fresh air / mixed air blending box air , air is not fully blending causing cold sections and tripping the fan - design issue/space considerations

- j) Adjusted the program several times to stabilize the supply fan temperatures during the cold weather

Disagreement with, or alternative to, recommendations.

Date recommendation returned to the Engineering JHSC Health & Safety Representative:
 15 / 04 / 13
day month year

Responding Mgmt. signature: _____

Response received by the Engineering JHSC Health & Safety Representative on:
 / /
day month year

Worker Representative