

WET Inspection C Annex and C Building

Observations from May 27 2015.

Update Aug 31, 2015

As the original inspection report was never reviewed with the WET Dept and/or WET Departmental Chair, this chart proposes next steps for the Departmental Chair's approval.

Carolyn Hayman and Alex Kortzman visited C 105, C 158, C140, C140A, and C140B with Roland Oliynyk as part of an Occupational Health and Safety Inspection of the Water Engineering Technologies Program. Health and Safety appears to be a high priority in this area: signage for personal protective equipment (PPE) was posted and PPE was readily available; WHMIS training is required by all students; MSDS are readily available and up to date. Overall, housekeeping was excellent.

The following is a summary of observations during the inspection. Items listed are generally classed as Low, Medium or High hazards. High hazards should be addressed within 30 days – if action is required, an implementation plan with dates and responsibilities should be assigned.

Location or Room#	Description	Hazard	Recommended Action suggested May 2015	timeframe	Aug 31, 2015	Status
C Annex C 105	Hearing protection available but not required.	Low	WET to schedule a noise level survey when shop work is performed to determine a baseline level of potential noise hazard.	Call HSEMS OHS Officer to schedule during next semester	Frank or Allison to submit dates to Carolyn	Noise survey to be scheduled
C Annex C105	Storage cabinet contents to be reviewed in further detail to identify appropriate containment (venting or not, cabinet materials, etc).	Med.	Evaluate type of Storage Cabinet required based on contents (corrosives, biological agents, etc)	HSEMS with a WET rep during the summer	Roland submitted to Chemistry for feedback	Once rec'd from Chem, appropriate storage to be confirmed or acquired

Location or Room#	Description	Hazard	Recommended Action suggested May 2015	timeframe	Aug 31, 2015	Status
C105, C 158, C 140A, C 140B	Hand sanitizers recommended in areas where potential bio hazards may exist.	Med.	Different options at different areas with different applications could be confusing	Prior to next semester (September)	Roland reviewing locations	Underway
C 158	Further investigation of vent hood and ventilation requirements based on experiments performed is required to ensure adequate performance and exhaust – does it require a biological safety cabinet?	Med.	Fume hood requirements under WSBC Reg. 30.8 must average a face velocity of 80 – 120 fpm. Normally, fume hoods have a sash across the operational face opening.	Experiment contents to be discussed in further detail prior to Sept	Frank or Allison to confirm face velocity required per experiments	WET to submit a w/r to FM to verify fume hood fpm and annual certification
C 158	Lab Counters design and layout are not meeting the needs of the program, in particular the placement of sinks and air supply.	Low	Sink and air supply should be located in a manner to facilitate multiple users at a time.	Capital submission for 2016?	WET to determine program needs	
C 158	Water supply pressure fluctuates and compromises students' experiments.	Med.	Discuss with facilities once minimum flow rate has been established by program.	Prior to Sept	WET to determine min flow rate required	
C 158	No heat in room, garage door from previous shop use not required.	High	Discuss with Facilities Summer minimum: 23-27°C @ 30-60% relative humidity Winter: 20-24°C @ 30-60% relative humidity	WET with FM prior to September	WET to submit a w/r to monitor minimum temps are met	WET to meet with FM to determine a plan to meet minimum temps

Location or Room#	Description	Hazard	Recommended Action suggested May 2015	timeframe	Aug 31, 2015	Status
C 140	PPE available, no PPE signage present.	Low	Post PPE requirements	Prior to September	Roland reviewing signage	Complete
C 140A	Computer Lab should have better ergonomic work stations.	Low	Consider installation of adjustable keyboards trays wrist rests, etc.	Long term	Eric to discuss with C Hayman	
C 140 & C140B	Many lab stations require better housekeeping as well as some shelving areas in storage.	Med.	Discuss with Department Chair	Prior to September	Eric to discuss with WET faculty	
C 140	Bench top electrical needs updating, current outlets are failing and damaged. No more than 12 outlets on a 15A or 20A 120V circuit [Rule 8-304(1)]	High	W/R Facilities W128825-060915	Determine plan of action prior to Septe	Eric to follow up with FM.	
C 140	Eye Wash bottles should indicate last refill date. If refilled with : <ul style="list-style-type: none"> • tap water, change every 7 days. • If stabilizer added, replace every 3-6 months per supplier • If unopened sterilized solution, change at expiration date 	High	Schedule monthly eyewash bottle checks. Replenish eyewash bottles with fresh fluid prior to expiry date.	Prior to September	Roland reviewing type of eye wash in bottles	

Location or Room#	Description	Hazard	Recommended Action suggested May 2015	timeframe	Aug 31, 2015	Status
C 140B	Both this area and adjacent classroom are affected by noise due to adjoining doorway.	Low	Consider classroom scheduling management if doorway cannot be removed	Discuss prior to September		
	Smells from experiments affect adjoining spaces. Determine if nuisance odour or exposure hazard.	High	Experiments are to be conducted in an area with appropriate space and ventilation for the task(s).	Discuss prior to September		
C 140B	No eye wash in close proximity to potential Bio Hazardous experiments.	High	Lab must provide minimum ventilation and emergency equipment (eyewash). Eye wash bottles required in the short-term.	Prior to September	Roland to acquire additional bottles	HSEMS provided 2 bottles

The above inspection and observations report is considered to be accurate		Signature	Date
Eric Jackson	Chair, WET Department		