

PROJECT: CEH Wallingford Washroom Refurbishment

(Links 3 & 5)

Project/Site no. **Wallingford**

RISK ASSESSMENT AND SUMMARY

(CONSTRUCTION DESIGN & MANAGEMENT REGULATIONS)

Hazard Type		Mechanical & Electrical Services Installations					Site Type	The refurbishment to 4 of the existing toilet facilities in a laboratory and office building.		
Specific Hazard Details		Persons Affected (Tick)	Risk Rating*			Suggested Control Measures	Residual Risk Rating*			
			L	x S	=R		L	x S	=R	
1.	Danger to third parties (staff and visitors) during construction works. Proximity of scope of works to the other occupied spaces could generate a hazard. Risk of injury due to noise, fumes and dust generated by construction activities.	Public/3rd Party	✓	4	5	20	Construction site have restricted access to separate from the occupied areas of the building. Contractor site access route to be agreed with the client.	2	2	4
		Contractor	✓	3	5	15		2	2	4
		Staff	✓	3	5	15		2	2	4
2.	Risk of injury due to potential disturbance of unidentified live mechanical and electrical services during demolition works.	Public/3rd Party					Redundant services to be safely decommissioned and identified. Live services to be actively protected. Access routes to be clearly identified and physically contained.			
		Contractor	✓	2	5	10		1	5	5
		Staff	✓	1	5	5		0	5	0
3.	Risk of injury or illness caused by hazardous materials found on site or disturbed during demolition/site clearance.	Public/3rd Party	✓	1	3	3	The client to provide details of any known hazardous or deleterious materials installed or in use on the site. Operatives to be made aware of potential for hazard.	0	2	0
		Contractor	✓	2	3	6		1	3	3
		Staff	✓	1	3	3		0	2	0
4.	Installation and maintenance access to services installed above suspended ceilings.	Public/3rd Party					Services to be installed to ensure minimum access requirement at high level. Where access is required for extract fans, detectors, etc. to be installed with sufficient free space to allow easy access at lowest possible height.			
		Contractor	✓	3	3	9		1	1	1
		Staff	✓	2	2	4		1	1	1

Prepared By :		Nigel Parfitt		Position :		Building & Services Manager		Date:		19/04/15		
Risk ratings *	LIKELIHOOD (ie likelihood of accident occurring NOT of harm resulting)					SEVERITY (ie probable outcome of incident)						
	0	Highly improbable (manhole with cover in place)	3	Likely (open manhole with flimsy un-anchored barrier)	1	Slight - "First-aid " injuries or illness	4	Major - broken limbs, fractured skull, major burns	Page	1	of	4
	1	Very unlikely (open manhole with solid fixed barrier & signs)	4	Very likely (open manhole, flimsy barrier in busy concourse)	2	Minor - Less than 3 days off work	5	Catastrophic - fatality or permanent disability				
2	Unlikely (open manhole with barrier railing clamped in place)	5	Almost certain (open manhole, no barrier in crowded concourse)	3	Serious - RIDDOR 3-Day reportable							

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5.	Danger of electrocution when working on existing electrical services.	Public/3rd Party				Contractor to ensure that existing services are isolated prior to removal or modification, without means of remote reconnection whilst the works are in progress. Permit to work system may be required to monitor shut downs and reconnections to be agreed.				
		Contractor	✓	4	5		20	1	5	5
		Staff	✓	1	4		4	1	3	3
6.	Electrical/ Mechanical Services Installations. Access and isolation for maintenance/modification/expansion.	Public/3rd Party	✓	1	1	Space to be provided in Plant/ Switch rooms for safe maintenance. Panels to incorporate as installed schematic drawings, and clear indication if isolation elsewhere is required.	1	1	1	
		Contractor	✓	2	1		2	1	1	1
		Staff	✓	2	1		2	1	1	1
7.	Asbestos – Risk of Injury or Death from Asbestosis.	Public/3rd Party	✓	3	2	Check Client Asbestos Register prior to commencing works. Personnel to be vigilant when undertaking works.	1	2	2	
		Contractor	✓	1	2		2	1	2	2
		Staff	✓	1	2		2	1	2	2
8.	Hot works. Use of materials or equipment requiring hot jointing or fabrication could create a fire or injury risk.	Public/3rd Party	✓	1	5	All installation materials and plant components, where appropriate, to be suitable for cold fabrication. Hot works where essential to be carried out off site as a pre-assembly exercise or in a controlled and adequately ventilated environment.	0	4	0	
		Contractor	✓	4	5		20	2	5	10
		Staff	✓	3	5		15	1	5	5

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9.	Disposal of Waste Materials During Construction. Environmental hazards such as fly-tipping and incorrect disposal of fluorescent tubes, cutting oils and other materials subject to the COSHH Regulations.	Public/3rd Party	✓	1	2	2	Contractor to provide evidence of correct use of licensed disposal companies and bespoke disposal areas for toxic materials (i.e. cutting oils and fluorescent tubes)	1	1	1
		Contractor	✓	2	2	4		1	1	1
		Staff	✓	1	2	2		1	1	1
10.	400v electrical distribution may be routed in ceiling voids and corridors and could present a risk during maintenance operations.	Public/3rd Party	✓	2	3	0	Distribution to be clearly labelled with means of isolation indicated.	0	3	0
		Contractor	✓	2	5	10		1	5	5
		Staff	✓	2	5	10		1	5	5
11.	Rooms with more than one circuit isolated.	Public/3rd Party					Contractor to obtain authorisation using their permit to work system for isolating circuits within each space and provide temporary lighting where necessary.			
		Contractor	✓	3	5	15		1	5	5
		Staff								
12.	Loss of general and emergency lighting due to electrical shutdown periods.	Public/3rd Party	✓	3	5	15	Contractor to carry out a risk assessment and method statement and agree any temporary lighting and emergency lighting requirements for the shutdown period.	1	5	5
		Contractor	✓	3	5	15		1	5	5
		Staff	✓	3	5	15		1	5	5

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13.	Other than those items described above, the potential hazards presented by the concept design for this project are limited to those normally associated with a construction project of this nature and which would be obvious to a competent contractor.	Public/3rd Party	✓									
		Contractor	✓									
		Staff	✓									

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