

Heating Installation RA 040

Consequence	5	10	15	20	25
	4	8	12	16	20
	3	6	9	12	15
	2	4	6	8	10
	1	2	3	4	5
Likelihood					

- Unacceptable – Stop activity
- Adequate – Monitor for continual compliance
- Acceptable – No further action / monitor

Risk Assessment:	040 Heating Installation
Assessors Name:	Gabriela Balint
Signature:	<i>Gabriela Balint</i>
Date:	January 2022
Review:	January 2023

Location:

Likelihood	1 = Very unlikely	2 = Unlikely	3 = Fairly likely	4 = Likely	5 = Very likely
Consequence	1 = Insignificant	2 = Minor	3 = Moderate	4 = Major	5 = Catastrophic

Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Lack of competency	Persons undertaking the task and others who may be affected. Potential for serious injury / fatality through lack of experience.	3	4	12	Personnel have sufficient competence to undertake works in a safe manner or if being trained, supervised by a competent person. Operatives ensure that all services have been isolated and purged prior to removal of pipework / services.	2	4	8
Movement of any item using manual handling.	Person undertaking the task. Serious musculoskeletal injury including hernias, back injuries and sprains etc.	5	4	20	All persons are trained in manual handling and follow training and instruction given. Personnel are instructed to use mechanical assistance wherever practically possible. Loads are broken down as far as is reasonably practicable and team lifting employed where necessary. Where larger loads are involved, a specific manual handling assessment will be required. Use of suitable gloves for loads involved.	2	4	8

Slips, trips and falls	Persons undertaking the task. Serious injury potential increasing due to MH activity.	4	4	16	Routes and areas are checked for obstructions and availability of space or other hazards i.e. wet floor, spillages, uneven or slippery surfaces and cables etc. prior to use. Personnel aware of additional hazards that may lead to STF on the same level i.e. inadequate lighting, weather conditions, changes in surface etc. Good housekeeping standards are maintained and inspected at all times.	2	4	8
Work at height	Persons undertaking the task. Serious injury potential / fatality through falling from height	3	5	15	In line with training delivered, operatives are instructed in the following. All work at height is to be planned and only undertaken by competent persons or if being trained, supervised by a competent person. Personnel aware of fragile surfaces and open voids and edges ensuring adequate protection is in place. Use of suitable professional equipment only i.e. podium steps, ladders and step ladders etc. For powered access equipment, a separate RA is required.	2	5	10
Use of ladders and steps	Persons undertaking the task. Serious injury potential / fatality through falling from height	3	5	15	All ladders and steps to conform to guidance standards i.e. Class 1 EN 131 professional. In line with training delivered, ladders and steps should only be used where they can be set up correctly and secured where practicable. Ladder / steps / ground conditions are checked pre-use. Correct selection of equipment is required at all times.	2	5	10
Use of substances hazardous to health	All personnel who use or may be affected by the use of hazardous substances, serious injury potential	3	4	12	Use of product information including COSHH assessments and manufacturers instructions on packaging. Use of authorised substances only. Use of suitable PPE and ventilation as determined in COSHH assessment / MSDS. Personnel to be aware of others who may be affected by the use of the substance. Substances are to be stored in original containers and stored in accordance with information outlined in COSHH assessments and MSDS.	2	4	8

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Use of machinery	Persons using machinery at risk of serious injury through drawing in, collision or contact with moving parts	4	4	16	Persons trained in the use of type of work equipment in use. Equipment to be placed on firm level ground. Use of petrol driven equipment to take place in a ventilated area. Use of electrical equipment to be in line with requirements relating to electrical plant including PAT testing, RCD protected, use of transformer etc. Regular inspection of all work equipment pre use and at regular intervals.	2	4	8
Hot works / Fire	Persons undertaking the task and others who may be affected. Serious injury / fatalities through burns / asphyxiation etc.	4	4	16	Persons undertaking the task to ensure that areas around the task are clear with the placement of screens and barriers as may be necessary. Ensure correct methodology is followed for the given task. Use of PPE as necessary may include heat resistant gloves / gauntlets, protective eyewear, welders mask, protective footwear / protective fireproof trousers / overalls. Ensure that a hot works permit is in place and that all controls are in place and adhered to.	2	4	8
Electric shocks	Engineers and others in the vicinity. Potential for serious injury / fatalities.	4	5	20	All electrical work is undertaken by competent electricians. All electrical work is planned in advance and documented. Regular work in progress inspections are undertaken and recorded. Suitable information, instruction, training and supervision is in place at all times. Isolation procedures in place and use of permit to work form as necessary.	1	5	5
Noise / vibration	All persons on site and others who may be Potential for long term adverse health effects.	4	3	12	All personnel are instructed in the adverse effects that noise and vibration may have on individuals' health. The use of personal protective equipment is required including hearing protection to the correct rating and the use of best available technology to guard against vibration hazards. The recording of trigger times to be in place following guidance on HAV's.	2	3	6

<p>Discovery of or damage to material that may contain asbestos.</p>	<p>Operatives / engineers and others who may be affected. Potential for serious long-term health problems</p>	3	4	12	<p>All personnel are trained in asbestos awareness as a minimum and follow advice given during the training.</p> <p>Prior to personnel undertaking any work where asbestos may be present, the asbestos register shall be consulted. Where this is not available, a copy is to be requested from the client. Likely locations include pipework, flues, decorative textured coatings etc.</p> <p>Personnel are not permitted to undertake any works involving asbestos containing material unless trained in the correct procedures.</p> <p>Should any person come across any suspected asbestos containing material (ACM) they must stop work immediately and inform their line manager who should arrange for the client to be informed of the situation and await further advice.</p> <p>Should any person accidentally disturb any ACM, they must stop work immediately and inform their line manager of the situation. They will then complete the decontamination procedure as outlined in training and await further advice.</p> <p>Should an incident occur in an occupied premise, they shall close off the area without alarming the occupier. All clothing is to be removed and bagged as hazardous waste. Where possible the operative is to shower to remove any fibres, where this is not possible, they will wipe themselves down with a damp rag which is to be placed in the same bag as the contaminated clothing as per training given & in line with EM7 / EM8 asbestos essentials.</p> <p>Any operative involved in an incident is to complete an accident / incident report form, following this they will be given further advice about informing their GP of the suspected contact with an ACM.</p> <p>The company shall arrange through their client for an air test to be undertaken together with an analysis of the suspected ACM.</p> <p>All incident involving suspected contact or release of fibres shall be thoroughly investigated by the company with a file of the incident placed in the accident / incident folder which is maintained at head office.</p>	2	4	8
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