

# Domestic Boiler Replacement RA 070

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
- Tolerable – Look to improve
- Adequate – Look to improve at next review
- Acceptable – No further action / monitor

Risk Assessment:	070 Domestic Boiler
Assessors Name:	Gabriela Balint
Signature:	Balint
Date:	January 2022
Review:	January 2023

L = Likelihood is the chance that a hazardous event will occur. C = Consequence is the outcome of the hazardous event.  
Residual risk is measured after the controls have been put in place, deemed as an acceptable R = Risk

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 e.g. gas safe engineer with sufficient experience on type of boiler to undertake works in a safe manner or if being trained, supervised by a competent person.	2	4	8
Manual handling	Persons undertaking manual handling tasks. Potential for musculoskeletal injuries inc. sprains / strains / hernias etc.	4	4	16	All personnel are trained in manual handling operations and have the use of mechanical aids where practicable. For further controls including use of the TILE methodology, refer to the MH RA No. 002. A site specific assessment may be required. Personnel to don appropriate PPE for the given task i.e. heavy duty gloves, eye protection and head protection as necessary	2	4	8

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Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Work at height	Persons undertaking work at height in any location. Potential for serious injury / fatality through fall from height.	3	4	12	All work at height is planned including the inspection of equipment used to work at height. Personnel trained in work at height awareness. Refer to the work at height RA for additional controls required. If using steps, they are to be set up in accordance with training delivered.	2	4	8
Contact with hazardous substances	Persons undertaking task. Serious injury potential through contact etc.	3	4	12	Products only to be used as directed following control measures outlined in COSHH assessments and MSDS as necessary. Personnel to use suitable PPE including suitable gloves, goggles or lightweight eye protection and suitable protective footwear. Consult asbestos register for site if applicable.	2	4	8
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. Battery powered tooling is preferable to cabled equipment.	2	4	8
Slips, trips and falls	Persons accessing the area, serious injury potential consistent with STF	4	4	16	Housekeeping standards to be maintained at all times. Check on conditions underfoot. Engineers to wear protective footwear checked at regular intervals. Spill kits available to clear spillages. Good cable management to be maintained as applicable and tooling kept in the correct location.	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. Physical isolation is required if undertaking electrical works.	1	5	5

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Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Fire	All persons on site and others who may be affected i.e. emergency personnel etc. Potential for fatalities.	4	5	20	Site specific emergency plan drawn up and communicated to all personnel. Engineers to ensure that adequate extinguishers are in place and charged. Use of permit to work for hot works required ensuring all control measures are in place and followed. Means of raising the alarm in place. Continual monitoring.	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
Lifting & use of lifting equipment	Persons using lifting machinery at risk of serious injury through drawing in, collision, loss of load or contact with moving parts	4	5	20	All works requiring the use of lifting equipment is to be planned taking into account size of load, route, training requirements, lifting equipment and accessories. Only competent persons allowed to undertake lifting operations in line with the specific lifting plan for the task. All equipment to have in place a certificate of thorough examination dated within the required time frames. Additional lifting accessories to be recorded on the lifting register and checked at regular intervals. Continual monitoring.	2	5	10