

RA35	RISK ASSESSMENT	
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Operation/Activity:	Installation of a Gas Boiler
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Site / Location:	All Sites
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Persons at Risk (tick appropriate boxes)			
Employee	✓	Pregnant Women	✓
Visitor	✓	Disabled Persons	✓
General Public		Lone Workers	✓
Young Persons	✓	Others	

GUIDE TO RATINGS:

Risk Severity		Risk Likelihood		Risk Rating	
1	Negligible	1	Unlikely	1 - 6	Low
2	Minor	2	Possible	7 - 14	Medium
3	Significant	3	Quite Possible	15 - 25	High
4	Major	4	Likely		
5	Catastrophic	5	Very Likely		

Overall Risk Rating = Medium

Describe the hazards associated with the activity/operation.						
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			Summary of Assessment Overleaf			
		Risk Rating (Before Controls)	Likelihood (L)	Severity (S)	Risk (L x S)	Risk Rating
H1	Asbestos	High	1	5	5	Low
H2	Burns	Medium	1	3	3	Low
H3	Buried Cables	High	2	2	4	Low
H4	Corrosives / COSHH	Medium	1	5	5	Low
H5	Confined spaces	Medium	2	3	6	Low
H6	Drugs Needles	Medium	2	2	4	Low
H7	Gas Explosion	High	1	5	5	Low
H8	Electric Shock	High	1	5	5	Low

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H9	Falls from height	High	1	5	5	Low
H10	Flammable gases	Medium	1	3	3	Low
H11	Flammable Areas	High	1	5	5	Low
H12	Housekeeping	Medium	2	3	6	Low
H13	Lone Working	High	1	5	5	Low
H14	Manual Handling	High	2	3	6	Low
H15	Noise	Medium	1	4	4	Low
H16	Overhead Dangers	Medium	1	3	3	Low
H17	Pressure systems	Medium	2	3	6	Low
H18	Ventilation	Medium	2	3	6	Low
H19	Gas leaks	High	1	5	5	Low

Assessed By:	Ian Morgan	Date	18/10/23
Reviewed By:		Date:	
Approved By:	Gary Robinson	Date:	18/10/23

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Hazard	Risk Control Measures	Residual Risk		
		Likelihood	Severity	Risk
General	All employees must receive adequate and sufficient Information, Instruction and Training concerning Gas Boiler Installation and associated Hazards and appropriate Control Measures			
	All employees working on Gas Boiler Installation must have current Gas Safe registration as proof of competency. Inexperienced persons may, however, work under direct supervision of experienced/competent engineer for training purposes etc			
H1 Asbestos	- Any employee either suspecting or discovering asbestos is to cease work immediately and notify their immediate supervisor - Information for customers upon sign up ref potential locations. - Awareness training for staff, building operatives and surveyors	1	5	5
H2 Burns	- Appliances and materials are allowed to cool before work activities are carried out - Cool all joint that have been soldered to reduce the possibility of burns after soldering is complete. - Use of PPE equipment.	1	3	5
H3 Buried Cables	- Engineer to be cautious when drilling or cutting into the wall - Take account of positions of electrical services to determine possible cable routes. Possible cable runs include vertically and horizontally from all accessories and within 150mm of all internal corners. However the use of a cable detector is advised to locate cable outside these zones. - Disconnect supply where possible - Use insulated tools - Trained personnel only to work on electric	2	2	4
H4 Corrosives / COSHH	- Care must be taken with all additives found and used in heating and water pipework systems. - Be aware of COSHH requirements / assessments prior to use - Wear PPE identified in guidance notes - Data sheets available for products - Cosh awareness training - Correct storage, and usage	1	5	5
H5 Confined spaces	- Regular contact with supervisor - Areas with poor ventilation and access only through a hatch, no lone working allowed	2	3	6

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H6 Drug Needles	- Sharps awareness training - Employees are to withdraw from site and notify their immediate manager - Cleaned up by specialist contractors	2	2	4
H7 Gas Explosion	- Ensure gas is isolated prior to work - Trained employees only work on gas - Employees are to carry out let by and tightness test and isolation procedures prior to and after working with dynamic gas systems.	1	5	5
H8 Electric Shock	- Trained employees only allowed to conduct works to live domestic supply circuits - Employees must be aware of the possible presence of electrical supplies onto a gas appliance from multiple locations and check for these prior commencing work. - Correct isolation procedure must be followed prior to commencement of works.	1	5	5
H9 Falls from height	- Ladders must be lashed or secure footing device used and notices posted advising persons working overhead. - Where access equipment is used this must be suitable for the task and if mechanised must be controlled by competent persons. - All scaffolding is to be erected properly to include access means, toe boards and guard rails in accordance with HSE requirements. - Working at height training	1	5	5
H10 Flammable Gases	- All handheld gas torches are to be inspected by employees prior to use for damage to seals etc. - Torches will be stored carefully with regard to high temperatures	1	3	3
H11 Flammable Areas	- Caution is to be used where hot works are undertaken in areas where flammable materials such as wood, insulation etc are present. - Engineers carrying out hot works are to ensure they have access to fire extinguishers - Hot works to be carried out under hot works risk assessment and if necessary a permit to work	1	5	5
H12 Housekeeping	- Employee housekeeping awareness training - Inspection of sites by managerial personnel - Good housekeeping - Keep all cables out of main walkways	2	3	6
H13 Lone Working	- Employees are to ensure their immediate manager or call out co-ordinator is aware of their work location - Call Out Co-ordinator to monitor staff - Mobile phones to be fully charged	1	5	5

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H14 Manual Handling	• Manual handling training • If the load is difficult or bulky obtain assistance • Always wear safety footwear and gloves. • Use mechanical aids where necessary – operative must be competent in its use • Break load down into manageable weights / sizes	2	3	6
H15 Noise	• PPE is to be worn by employees where there is long term exposure to noise • PPE is also required where high levels of noise occur for short duration such as drilling activities	1	4	4
H16 Overhead Dangers	• Where possible moving equipment should be locked off and notices posted. • Employees working in an area where there is a risk from falling objects must wear protective headgear.	1	3	3
H17 Pressure systems	• Where possible the equipment must be isolated and locked off prior to commencing work activities • Wear the correct PPE • Only trained operatives to work on pressurised systems	2	3	6
H18 Ventilation	• Windows / doors to be opened to allow added ventilation where necessary	2	3	6
H19 Gas leaks	• Only trained (gas safe registered) persons to work on gas • Only work on categories trained on • Job checked for leaks and signed off • Annual servicing • Emergency help line for leaks 0800 111 999 • Certificate to be issued on all works, stating work carried out	1	5	5