

**MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999**

**GENERAL RISK ASSESSMENT - FORM RA2**

<b>DEPARTMENT</b>	<b>Hospital Name Here</b>	<b>REFERENCE NO.</b>	<b>RA95</b>
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<b>TASK / OPERATION BEING ASSESSED</b>	Removing & replacing Boiler Sections (Plumbing).
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<b>PURPOSE / METHOD OF WORK</b>
<ol style="list-style-type: none"> <li>1. Ensure van is loaded with correct tools and materials.</li> <li>2. Check information from client regarding asbestos in situ.</li> <li>3. Check asbestos register (establishments and or domestic dwellings).</li> <li>4. If asbestos is indicated then seek clarification from your supervisor.</li> <li>5. Ensure base is aware of your location. Proceed to property.</li> <li>6. On arrival assess damage and condition at site. If unsure as to content of panels / lining / thermal insulation i.e. asbestos seek clarification from supervisor before continuing / withdraw.</li> <li>7. Carry out works i.e. remove &amp; replace flue sections in accordance with laid down procedures.</li> <li>8. Leave site secure and tidy.</li> </ol>

<b>SPECIFIC LEGISLATIVE REQUIREMENTS</b>
HASAW Act 1974 MHSWA 1999 Construction (Health, Safety and Welfare) Regulations – 1996 COSHH Regulations 1994 Gas Regulations 1994

<b>LEVEL OF SKILL / TRAINING REQUIRED</b>
General awareness of hazards associated with this type of work.  Deemed competent by management to carry out task.  Fitters must be CORGI registered and hold the relative ACOPS.

<b>CHEMICALS / MATERIALS INVOLVED</b>	<b>HSC NO.</b>	<b>ASSESSMENT DATE</b>
Dust & debris Fibre glass insulation Welding / cutting fumes Cement Fire check cement Solder / flux		

<b>SPECIFIC WORK EQUIPMENT PROVIDED</b>
Hand tools Soldering torch Block & tackle Welding / cutting gear Portable Electrical Equipment

MAIN HAZARDS IDENTIFIED (8)	WHO WILL BE AFFECTED (9)	CONTROL MEASURES TO REDUCE THE RISK (10)
<p>1. Cuts from redundant / new boiler / pipe work.</p> <p>2. Burns from contact with welding torch / solder splatter.</p> <p>3. Fire</p> <p>4. Gas incident / explosion.</p> <p>5. Exposure to weld / cutting / solder / lead fumes.</p> <p>6. Exposure to asbestos fibres – Thermal insulation.</p> <p>7. Eye injury / burn / arc eye.</p> <p>8. Slips and trips.</p> <p>9. Strains / sprains from lifting / moving items in confined area.</p> <p>10. Inhalation of fibre / dust / skin irritation / cement burn re moulding boiler floor.</p>	<p>Employee.</p> <p>Employee / member of the public.</p> <p>Employee / member of the public.</p> <p>Employee / member of the public.</p> <p>Employee.</p> <p>Employee</p> <p>Employee</p> <p>Employee / member of the public.</p> <p>Employee</p> <p>Employee</p>	<ul style="list-style-type: none"> <li>• Remove burrs from new pipes with file.</li> <li>• Wear protective gloves when handling cut sections.</li> <li>• Wear personal protective clothing e.g. gloves.</li> <li>• Take care when using torch. Consider replacing with compression fitting where technically possible to avoid use of heat.</li> <li>• When soldering complete, wipe fitting with damp rag, turn off torch, put in safe place and allow too cool.</li> <li>• Allow cut sections to cool before handling.</li> <li>• Issue of Hot Permit when welding / flame cutting undertaken.</li> <li>• Consider using compression fitting that does not require heat if technically possible.</li> <li>• Remove combustibles from work area if possible. Use a heat shield to protect &amp; prevent fire from torch &amp; hot solder.</li> <li>• Check area when work complete and last thing before leaving site for any signs of smouldering.</li> <li>• Any person carrying out work on a gas installation e.g. central heating system / industrial heating <b><u>MUST BE AN APPOINTED GAS FITTER REGISTERED WITH CORGI.</u></b></li> <li>• In confined space use of forced ventilation may well be required with respiratory protection e.g. air fed mask.</li> <li>• Follow COSHH assessment for product. Ensure adequate ventilation at site.</li> <li>• If unwell after using seek fresh air &amp; contact medical services if problem persists.</li> <li>• Information from client</li> <li>• Check appropriate register for content / location.</li> <li>• Inspect on site before commencing work if in doubt, seek advice from supervisor withdraw until content of insulation and ceiling tiles that require to be moved to facilitate the fitting of the flue can be determined and appropriate action taken. Only trained personnel to remove asbestos</li> <li>• Wear eye protection if splatter likely or when working overhead.</li> <li>• Use welding mask &amp; screens where applicable to prevent damage to eyes.</li> <li>• Seek medical advice if irritation or pain is experienced.</li> <li>• Ensure good housekeeping at site / keep client out of work area.</li> <li>• Ensure lighting at place of work is adequate.</li> <li>• Clear working area of 'clutter' if possible.</li> <li>• Basic manual handling training.</li> <li>• Avoid handling if possible / use mechanical means i.e. block &amp; tackle for large sections.</li> <li>• Cut large sections into smaller sections if possible before moving.</li> <li>• When removing / re-lagging insulation material &amp; in a dusty atmosphere, e.g. fibreglass, wear ½ face respirator with P3 filter.</li> <li>• Avoid skin contact when mixing / laying.</li> <li>• Wear protective gloves when working with material.</li> <li>• Good hygiene, wash any contaminated skin thoroughly and as soon as possible after contact.</li> <li>• Follow the COSHH assessment for product.</li> <li>• If irritation persists seek advice from supervisor / occupational health.</li> </ul>

MAIN HAZARDS IDENTIFIED (8)	WHO WILL BE AFFECTED (9)	CONTROL MEASURES TO REDUCE THE RISK (10)
11. Electric shock from portable tools / boiler electricians.	Employee	<ul style="list-style-type: none"> <li>Examination and test of electrical equipment.</li> <li>Visual examination of PEE before use e.g. leads whole or damaged.</li> <li>Use 110 volt or low / battery powered tools.</li> <li>Ensure boiler electricians are isolated before work commences by a competent person i.e. an electrician.</li> </ul>
12. Head injury / striking pipe work.	Employee	<ul style="list-style-type: none"> <li>Proceed with care, wear safety hat / bump cap in confined areas.</li> </ul>
13. Foot injury.	Employee	<ul style="list-style-type: none"> <li>Wear safety footwear if risk of penetration / injury, incorporate mid sole protection.</li> </ul>
14. Struck by flying debris if breaking sections with sledgehammer.	Employee.	<ul style="list-style-type: none"> <li>Cover boiler with heavy-duty polythene / dustsheet to contain fragments.</li> <li>Wear impact resistant eye protection when breaking out.</li> </ul>
15. Exposure to excessive noise levels when breaking out.	Employee	<ul style="list-style-type: none"> <li>Noise assessment carried out by a competent person.</li> <li>Ensure working tool in good condition.</li> <li>Wear suitable hearing protection e.g. ear muffs when using mechanical aid hand tool to break out.</li> </ul>
16. WRULD: strain & sprain.	Employee	<ul style="list-style-type: none"> <li>Use mechanical aid where possible if hand tool e.g. sledge, take regular breaks</li> <li>Awareness of problems for operatives.</li> <li>Report any recurring swelling / pain that recurs during return to work.</li> </ul>
17. Verbal / Physical abuse.	Employee	<ul style="list-style-type: none"> <li>Ensure regular communication is maintained.</li> <li>Violence awareness training for staff.</li> <li>Visit site in pairs especially in suspect areas.</li> <li>Withdraw from site if challenged or abuse likely.</li> </ul>

MANUAL HANDLING RISK (11)	
Has a manual handling risk been identified?	<b>YES / NO</b>
Is the risk considered to be	<b>LOW / MEDIUM / HIGH</b>
Is a further detailed assessment required?	<b>YES / NO</b>
If the answer to the above question is YES a separate manual handling assessment will be required to fulfil the requirements of the Manual Handling Operations Regulations 1992.	

PERSONAL PROTECTIVE EQUIPMENT REQUIRED (12)	
Safety footwear Gloves Air fed respirator in confined areas Eye protection for welding and working with insulation ½ face mask P3 filter if dusty atmosphere Head Protection	
Is training and instruction required?	<b>YES / NO</b>
Is there need for special accommodation?	<b>YES / NO</b>
Is there need for test / examination?	<b>YES / NO</b>
Is all P.P.E compatible?	<b>YES / NO</b>

FREQUENCY OF MONITORING (13)				
N / A	3 Months	6 Months	1 Year	> 1 Year

ASSESSMENT REVIEW PERIOD				
< 1 Year	2 Years	3 Years	4 Years	> 4 Years

Signed -----

Post/Title -----

Date -----