



RISK ASSESSMENT

Safety - Water

Document Reference

PTS.RA.S12

Activity	Hazards	Risks	UNCONTROLLED Risk Levels	Description of controls	CONTROLLED Risk Levels																																																																				
Ensure the Water Supply Pressure, Temperature & Quality is fit for purpose to ensure the correct operating performance of the equipment it supplies.	Escaping Hot Water and contact with Hot Pipework or Surfaces High Pressure Water escapes can vary in severity from minor leaks with localised effects to severe flooding which can lead to property damage.	Death from electrocution, Slips & Falls, Scalding, Contact Burns, Eye Damage, Flooding & Property Damage Death from Electrocution, Slips & Falls, Eye Damage, Skin & Tissue Damage Death from electrocution, Slips & Falls, Flooding, Property Damage & Equipment Damage.	<p>LIKELIHOOD</p> <table border="1"> <tr><td>Most Likely</td><td>5</td><td></td></tr> <tr><td>Likely</td><td>4</td><td>✓</td></tr> <tr><td>Possible</td><td>3</td><td></td></tr> <tr><td>Unlikely</td><td>2</td><td></td></tr> <tr><td>Very Unlikely</td><td>1</td><td></td></tr> </table> <p>SEVERITY</p> <table border="1"> <tr><td>Extreme</td><td>5</td><td></td></tr> <tr><td>Major</td><td>4</td><td>✓</td></tr> <tr><td>Moderate</td><td>3</td><td></td></tr> <tr><td>Minor</td><td>2</td><td></td></tr> <tr><td>Negligible</td><td>1</td><td></td></tr> </table> <p>Risk Score deduced by multiplying Likelihood by Consequence</p> <table border="1"> <tr><td>Risk Score</td><td>16</td></tr> </table> <p>Less than or equal to 5 LOW Between 6 and 12 MEDIUM Above 12 HIGH</p> <table border="1"> <tr><td>UNCONTROLLED Risk Level</td><td>HIGH</td></tr> </table>	Most Likely	5		Likely	4	✓	Possible	3		Unlikely	2		Very Unlikely	1		Extreme	5		Major	4	✓	Moderate	3		Minor	2		Negligible	1		Risk Score	16	UNCONTROLLED Risk Level	HIGH	<ul style="list-style-type: none"> Only competent trained engineers to undertake works, with the exception of supply isolation to avoid flooding. Engineer to wear Non-Slip footwear and appropriate PPE as per PTS.RA.S40 - Safety - PPE Electrical supply to equipment to be isolated and per PTS.RA.S10 - Safety - Electricity Water supply isolation valves to be shut and signage put in situ so as to avoid accidental restoration of supply. Equipment not to be worked on until water temperature is deemed sufficiently low (<30°) as to minimise Scalding and Burns. Storage vessels and pipework to be depressurised prior to any invasive works. Equipment to be taken out of service and left to dry until its electrical safety can be diagnosed safely confirmed. All spillages to be cleaned up promptly to avoid risk of Slips and falls. Water outflow air gap and or equivalent devices not to be removed or bypassed. All repairs and installation work to be Water Authority Regulation and Byelaw compliant 	<p>LIKELIHOOD</p> <table border="1"> <tr><td>Most Likely</td><td>5</td><td></td></tr> <tr><td>Likely</td><td>4</td><td></td></tr> <tr><td>Possible</td><td>3</td><td></td></tr> <tr><td>Unlikely</td><td>2</td><td></td></tr> <tr><td>Very Unlikely</td><td>1</td><td>✓</td></tr> </table> <p>SEVERITY</p> <table border="1"> <tr><td>Extreme</td><td>5</td><td></td></tr> <tr><td>Major</td><td>4</td><td>✓</td></tr> <tr><td>Moderate</td><td>3</td><td></td></tr> <tr><td>Minor</td><td>2</td><td></td></tr> <tr><td>Negligible</td><td>1</td><td></td></tr> </table> <p>Risk Score deduced by multiplying Likelihood by Consequence</p> <table border="1"> <tr><td>Risk Score</td><td>4</td></tr> </table> <p>Less than or equal to 5 LOW Between 6 and 12 MEDIUM Above 12 HIGH</p> <table border="1"> <tr><td>CONTROLLED Risk Level</td><td>LOW</td></tr> </table>	Most Likely	5		Likely	4		Possible	3		Unlikely	2		Very Unlikely	1	✓	Extreme	5		Major	4	✓	Moderate	3		Minor	2		Negligible	1		Risk Score	4	CONTROLLED Risk Level	LOW
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