

<b>'McBarns' Well Washer Maintenance Checklist</b>		Done
<b>1</b>	<p><u>Safety, Risk Assessment and Setup:</u></p> <ul style="list-style-type: none"> <li>➤ On-site notification (call-on), complete risk assessment / confined space entry permit / OH&amp;S site induction sheet</li> <li>➤ Ensure site requirements are in place or turned on (traffic/crowd control, adequate ventilation time, vent fan on, gas monitoring, safety equipment etc)</li> </ul>	<input type="checkbox"/>
<b>2</b>	<p><u>Condition of Washer and Components:</u></p> <ul style="list-style-type: none"> <li>➤ Check all fasteners/components for corrosion</li> <li>➤ Check tightness of all fasteners</li> <li>➤ Check condition of mounting bracket</li> <li>➤ Check nozzle / head of washer for rags/blockages</li> <li>➤ Check nozzle / head of washer for rotation obstructions (power cables, chains etc)</li> <li>➤ Check condition of hoses, pipework, connections and any ball valves</li> <li>➤ Check condition of all other wet well components</li> </ul>	<input type="checkbox"/>
<b>3</b>	<p><u>Operational Inspection:</u></p> <ul style="list-style-type: none"> <li>➤ Operate washer using pumps on manual, or where washer is constantly running, observe operation</li> <li>➤ Listen and confirm whether noise levels are acceptable (will this cause a noise complaint?)</li> <li>➤ Check for leaks from all pipework, connectors and ball valves</li> <li>➤ Check pressure and flow emitted from washer is normal / acceptable (i.e. nozzle is not blocked)</li> <li>➤ Check to see if rotating head is operational. Check position of angle deflectors and confirm rotation speed is <b>approx 30rpm?</b> Adjust angle of nozzles to achieve desired rpm and retest operation. Check that rotating head is not interfering or fouling with other well components</li> <li>➤ Ensure solenoid valve (where fitted) operates correctly and is not leaking</li> <li>➤ Ensure flow emitted from washer does not interfere with other wet well components (level indicators and high level floats)</li> <li>➤ Ensure tap cannot be turned off by the public (arrange installation of tap with removable key)</li> </ul>	<input type="checkbox"/>
<b>4</b>	<p><u>Notification:</u> Ensure Persons In Charge are notified if well washer requires;</p> <ol style="list-style-type: none"> <li>1. Repair or Overhaul</li> <li>2. Rubber Sealed Mats (Noise Prevention)</li> <li>3. Removal</li> <li>4. Change in operation (i.e. to run with pumps or continuous operation)</li> <li>5. Any other well washer-related question or information</li> </ol>	<input type="checkbox"/>

**'McBarns' Well Washer Trouble Shooting Guide**

Problem	Instructions
<b>Positioning / Obstructions</b>	<p>If the positioning of the well washer would be better suited to another guide rail within the wet well (providing enough hose length is available and no other obstructions are encountered), turn off the ball valve, isolate and tag pump controls and remove well washer (noting exact positioning in the wet well – usually 1m above TWL) using well washer guide rail mounting bracket chains.</p> <p>Check rotation of washer to ensure bearings are in sound working condition. Reposition guide rail bracket on alternate guide rail and lower carefully into correct wet well height/position. Secure chains and test operation. Make adjustments as necessary.</p> <p>If the well washer head is obstructed by power cables or chains, determine whether cables or chains can be secured on alternate mounting hooks or adjust well washer mounting position if this is not possible.</p> <p>If any problems are experienced or well washers require overhaul/replacement, turn off ball valve (if necessary) and notify Persons In Charge.</p>
<b>Rags / Blockages</b>	<p>To remove rags from washer arrange pump station attendant to use hose to remove rags. Alternatively, turn off the ball valve, isolate and tag pump controls and remove well washer (noting exact positioning in the wet well – usually 1m above TWL) using well washer guide rail mounting bracket chains. Remove rags and check rotation of washer to ensure bearings are in sound working condition.</p> <p>If blockages in the nozzles are experienced, run nozzle under hose to clear obstruction and re-test operation. If blockage cannot be removed, turn off ball valve and notify Persons In Charge.</p>
<b>Decrease in Flow</b>	<p>Ensure there are no current water pressure operational issues in the area by contacting Persons In Charge. Perform the same steps as Rags / Blockages (see above).</p>
<b>Leakages</b>	<p>Run washer and inspect pipework, connections and hose for source of leak. Turn off the ball valve, isolate and tag pump controls and remove well washer (noting exact positioning in the wet well – usually 1m above TWL) using well washer guide rail mounting bracket chains. Tighten connections if possible or notify Persons In Charge if replacement parts / washer replacement is required.</p>
<b>Noise</b>	<p>Before removing hatch covers and rubber screens / mats (where fitted), run washer and listen for excessive washer noise (remember the washer may appear considerably more noticeable at night time). If there is excessive noise, remove hatch cover/s and rubber mats or screens and inspect operation of washer.</p> <p>Determine source of noise and adjust washer position as required to ensure spray from head/nozzle causes minimal noise, without compromising washer operation. If necessary, contact Persons In Charge to install rubber screens or mats to reduce noise.</p>