

**Table 9.33.: Standpipe (Dry and Wet Riser) Testing, Inspection and Maintenance**

ITEM	REQUIREMENTS
<b>2. WEEKLY INSPECTION</b>	<b><u>VISUAL OBSERVATION</u></b> <ol style="list-style-type: none"> <li>The piping is free of leakage.</li> <li>Pressure gauges are in good condition and reading are satisfactory.</li> <li>The hose cabinet is in good condition and contains equipment, nozzle, hose and hose outlets as per design (Class I, II or III).</li> <li>The landing valve and Hose outlets' caps are in good condition and in place.</li> <li>There are no obstructions to the Fire Hose Cabinet.</li> <li>Control valves, Valve handles and supervisory devices are not damaged and in good condition.</li> </ol>
<b>3. MAINTENANCE</b>	<ol style="list-style-type: none"> <li>Hose connection caps shall be replaced where missing or damaged.</li> <li>Valves shall be lubricated to ensure their smooth operation.</li> <li>Hose, gaskets, nozzles shall be inspected for damage by removing from the cabinet and rereeled back into racks or stands.</li> <li>The hose shall always be connected to hose outlet valve.</li> <li>Repair any leakages in the piping, valves and joints.</li> <li>Lubricate hose cabinet doors and replace them if corroded.</li> <li>Fire extinguishers in the cabinet shall be in a good working condition with satisfactory pressure readings.</li> <li>Pumps and controllers of the system shall be tested, maintained as per <b>Table 9.31.</b></li> </ol>
<b>4. ANNUAL TESTING</b>	<ol style="list-style-type: none"> <li>A flow test shall be conducted every year on all standpipe systems to verify that the required flow and pressure are available at the hydraulically most remote hose valve outlet(s) while flowing the standpipe system demand.</li> <li>The standpipe system demand shall include 500 gpm (1892 L/min) for the first standpipe and 250 gpm (946 L/min) for each additional standpipe until the total system demand is simultaneously flowing.</li> <li>The 250 gpm (946 L/min) required from each additional standpipe shall be allowed to be flowed from the most convenient hose valve on that standpipe.</li> <li>A main drain test shall be performed on all standpipe systems.</li> <li>Pressure and flow gauges shall be replaced every 5 years.</li> <li>Any parts that need to be repaired or replaced shall be handled through Civil Defence approved fire contractor.</li> </ol>