

Table 9.35.: Foam Systems Testing, Inspection and Maintenance

ITEM	REQUIREMENTS
2. QUARTERLY INSPECTION	<ul style="list-style-type: none"> i. At least annually, an inspection shall be made of foam concentrates and their tanks or storage containers for evidence of excessive sludging or deterioration. ii. The foam solution sample shall be annually tested at a laboratory to ensure the foam concentrate quality. iii. The proportioning system shall be inspected for good working condition. iv. The sight glass where provided on bladder tanks shall be cleaned. v. The piping shall not show signs of leakage vi. Pressure and flow gauges shall be free of damage and in good working condition. vii. The position (open or closed) of valves shall be verified in accordance with specified operating conditions. viii. Strainers shall be periodically inspected and shall be cleaned after each use and flow test. ix. The waterflow alarm and supervisory signal initiating devices shall be inspected quarterly to verify that they are free of physical damage. x. The hydraulic design information sign shall be inspected quarterly to verify that it is provided, attached securely to the sprinkler riser, and is legible.
3. ANNUAL TEST	<ul style="list-style-type: none"> i. Systems shall be tested annually as per FIELD ACCEPTANCE TEST as required by Table 9.34.1., and this table, by the Civil Defence approved maintenance contractor. ii. The foam concentrate pump shall be tested as per the manufacturers specifications and manual.
4. MAINTENANCE	<ul style="list-style-type: none"> i. Valves shall be lubricated to ensure their smooth operation. ii. Pressure, flow gauges, supervisory signal devices and water flow devices shall be verified for good working condition. iii. The detection system for deluge and pre-action systems shall be verified for good working condition. iv. Leaking, damaged and corroded parts shall be replaced. v. Pumps and controllers of the system shall be tested and maintained as per Table 9.32.