

Table 9.34.: Sprinkler and Deluge Testing, Inspection and Maintenance

ITEM	REQUIREMENTS
2. QUARTERLY INSPECTION	<ul style="list-style-type: none"> i. Sprinklers shall not show signs of leakage. They shall be free of corrosion, foreign materials, paint, and physical damage and shall be installed in the correct orientation (e.g., upright, pendent, or sidewall). ii. Escutcheons and coverplates for recessed, flush, and concealed sprinklers shall be replaced if found missing during the inspection. iii. A minimum clearance from a sprinkler deflector and the top of storage shall be more than 1 m. iv. Availability of correct type of spare sprinklers shall be verified. v. Pressure and flow gauges shall be free of damage and in good working condition. vi. Waterflow alarm and supervisory signal initiating devices shall be inspected quarterly to verify that they are free of physical damages. vii. 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. QUARTERLY TEST	<ul style="list-style-type: none"> i. Systems shall be tested quarterly as per FIELD ACCEPTANCE TEST as required by Table 9.33.1., by the Civil Defence approved maintenance contractor.
4. MAINTENANCE	<ul style="list-style-type: none"> i. Valves shall be lubricated to ensure smooth operation. ii. Pressure, flow gauges, supervisory signal devices and water flow devices shall be verified for good working condition. iii. 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, maintained as per Table 9.31.