Information Guide – Sprinkler/Standpipe System Impairments

Sprinkler Systems out-of-service (IFC 901.7); Planned Impairments (IFC 901.7.4); Emergency Impairments (IFC 901.7.5)

Impairment Description	Examples	System Restoration Time	Mitigation Required	Fire Department Notification
ALL water based fire protection systems out of service; planned and/or emergency impairments	• Pipe Burst • Valve Failure • Supply Failure • Pump Failure • Other systemic failure	0 – 10 hours per 2008 NFPA 25 §15.5.2(3)	Inform impairment coordinator	Notify FD Dispatch per IFC § 901.6.2 as amended
		More than 10 hours	Inform impairment coordinator and institute a fire watch	Notify FD Dispatch and contact fire prevention for fire watch approval
Limited Impairment; overall functionality not reduced. A construction permit is not required by the Fire Code.	• Damaged Heads • Corroded heads • Painted heads • Activated Heads	System restorable if a fire occurs	Repairs shall be completed within 24 hours per Nevada Administrative Code (NAC) 477.465.	Notify FD Dispatch per IFC § 901.6.2 as amended
Monitoring Impairment; creating a response delay	• Routine Service • Equipment Removal • Service disconnected	0 – 10 hours per 2008 NFPA 25 §15.5.2(3)	Monitoring shall continue for 30 days after customer cancellation per NAC 477.349.	• Notify FD Dispatch per IFC § 901.6.2 as amended • Notify FD in writing within 24 hours as required by 2009 IFC § 907.7.5.6 as amended.
Planned Impairment; system out-of-service Permits are required for activities such as renovations and additions to existing systems.	• Routine Testing • Maintenance • Replacement of piping or valves • Renovation • Additions • Draining a secondary water supply • MIC remediation • Obstruction testing • Recalled Heads	0 – 10 hours per 2008 NFPA 25 §15.5.2(3)	Inform impairment coordinator	Notify FD Dispatch per IFC § 901.6.2 as amended
		More than 10 hours	Inform impairment coordinator and institute a fire watch	Notify FD Dispatch and contact fire prevention for fire watch approval

NOTE: This guide is intended for Fire Code compliance ONLY. Other government regulations such as OSHA and insurance (Factory Mutual) demands may be more restrictive.

Information Guide – Fire Alarm System Impairments

Fire Alarm Systems out-of-service (IFC 901.7); Planned Impairments (IFC 901.7.4); Emergency Impairments (IFC 901.7.5)

Impairment Description	Examples	System Restoration Time	Mitigation Required	Fire Department Notification
ALL Fire alarm and detection systems out of service; planned and/or emergency impairments	• Control Panel fail • Non-operable NAC circuits • Power Supply Failure • Non operable data communication circuits • Other systemic failure	0 – 10 hours	Inform impairment coordinator	Notify Fire Code Official and Fire Dispatch per IFC § 901.7
		More than 10 hours	Inform impairment coordinator and institute a fire watch after approval by Fire Code Official	Notify Fire Code Official and Fire Dispatch per IFC § 901.7
Limited Impairment; overall functionality not reduced. A construction permit is not required by the Fire Code.	• Door Holder not operable • Single notification device non operable • Single non functional smoke detector in protected area • Low battery voltage	System restorable if a fire occurs	Repairs shall be completed within 24 hours per Nevada Administrative Code (NAC) 477.465.	Notify Fire Code Official and Fire Dispatch per IFC § 901.7
Monitoring Impairment; creating a response delay	• Routine Service • Equipment Removal • Service disconnected	0 – 10 hours	Monitoring shall continue for 30 days after customer cancellation per NAC 477.349.	• Notify Fire Code Official and Fire Dispatch per IFC § 901.7 • Request fire Watch approval by Fire Code Official
Planned Impairment; system out-of-service Permits are required for activities such as renovations and additions to existing systems.	• Routine Testing • Maintenance • Replacement of piping or valves • Renovation • Additions • Draining a secondary water supply • MIC remediation • Obstruction testing • Recalled Heads	0 – 10 hours	Inform impairment coordinator	• Notify Fire Code Official and Fire Dispatch per IFC § 901.7 • Possible Fire watch may be required
		More than 10 hours	Inform impairment coordinator and institute a fire watch	• Notify Fire Code Official and Fire Dispatch per IFC § 901.7 • Request fire Watch approval by Fire Code Official

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