



## Las Vegas Fire & Rescue Fire Prevention Division



Effective Date: February 1, 2011

CLV Ordinance #6124

*The items listed are basic information only. Codes are subject to change. Additional requirements may apply.*

# Central Station Fire Alarm Monitoring Facilities

### Code requirements:

In accordance with the provisions of the 2009 International Fire Code, as adopted by the City of Las Vegas, Section 905.7.5, as amended, all Central Station, Proprietary stations and Remote Stations shall be approved.

### Conditions for Approval:

Las Vegas Fire & Rescue, Fire Prevention Division provides approval for Monitoring Facilities (Fire Alarm Systems for Central Station, Proprietary Supervising Stations, and remote Supervising Station Fire Alarm Systems) subject to the following provisions:

1. Fire Alarm Systems for Central Station (**2010 NFPA 72 § 26**), Proprietary Supervising Station Systems (**2010 NFPA 72 § 26.4**), and remote Supervising Station Fire Alarm Systems (**2010 NFPA 72 § 26.5**) shall comply with the applicable NFPA Standards, and the Nevada State Fire Marshal Regulations.
2. A copy of the organizations U.L Certification to conduct monitoring service and the appropriate Business License (If required), shall be provided to Las Vegas Fire & Rescue Fire Protection Engineering Division.
3. Upon receipt of a **Water Flow alarm**, the City of Las Vegas Fire Communications Center shall be immediately notified. When notifying the Fire Communications Center, the reporting agency shall state the type of alarm signal being transmitted. (See Item 8 for terminology).
4. Upon receipt of a **Fire Alarm**, the City of Las Vegas Fire Communications Center shall be notified only after there has been positive confirmation by someone on scene, the presence of flames, or smoke. When notifying Fire Communications, the reporting agency shall state the type of alarm being transmitted. (See item 8 for terminology).

**Do not notify the Fire Communications Center for any other alarm signals.**



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### The Monitoring Facility shall initiate action to:

- a. Immediately (within 90 seconds\*) re-transmit the alarm to the City of Las Vegas Fire Communications Center. If the monitoring facility is located within the boundaries of Clark County, dial 9-1-1.

If the monitoring facility is located outside the boundaries of Clark County, dial (702) 382-3000 for dispatch. Alarm reset status shall be reported at time of notification.

Note! When it is known that a drill is being conducted or that the system is being worked on or tested, such information shall be given to the Las Vegas Fire Communications Center at (702) 382-3000. *(The reason for such requirement is to reduce the number of false alarm fire dispatches, due to employees or citizens hearing alarm signals and calling said alarm into the Dispatch Center).*

- b. Promptly dispatch a runner or technician to the protected premises to arrive within 1 hour\* after receipt of signal, when equipment needs to be manually reset or supervisory signals need to be investigated.
  - c. Restore the system to its normal operating condition within 24 hours after notification of a fire or fault in the system. [NAC 477.365]
5. Upon receipt of trouble signals or other signals pertaining solely to matters of equipment maintenance (low air alarm, low battery) of the fire alarm systems, the monitoring facility shall:
- a. Not request emergency unit response.
  - b. Communicate immediately (within 4 minutes\*) with persons designated by the subscriber.
  - c. If necessary, dispatch personnel to arrive within 4 hours\* to initiate maintenance. Systems shall be restored to service within 24 hours after notification of a fire or fault in the systems, per [NAC 477.365].
  - d. Provide notice to the Las Vegas Fire & Rescue Fire Prevention division as to the nature of the interruption, time of occurrence, and restoration or service, or if the interruption per appropriate impairment guidelines.



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5. All out of state monitoring facilities shall utilize two separate long distance carriers to receive signals.
6. Monitoring facilities shall notify the Las Vegas Fire & Rescue Fire Prevention division in writing 30 days prior to discontinuance of service of service to any subscriber [NAC 477.365].
7. Provide a copy of a satisfactory maintenance agreement, along with proof that the firm or company which will provide the maintenance is adequately covered by liability insurance [NAC 477.365].
8. Monitoring facilities shall use the following terminology:
  - a) Fire Alarm - NFPA72 Fire alarm System\*\*
  - b) Water Flow Alarm - Sprinkler Water Flow Switch
  - c) Valve Tamper Supervisory - Sprinkler Control Valve(s) Tamper switch(s)
  - d) System Trouble Signal - Indicating Circuits, low battery voltage, other faults

Notes: \* Indicates as specified in 2010 NFPA 72

\*\* Fire Alarm system Definition:

A system or portion of a combination system consisting of components and circuits arranged to monitor and annunciate the status of fire alarm or supervisory signals- initiating devices and to initiate appropriate response to those signals.

The Fire Marshal's approval for the monitoring of facilities within the City of Las Vegas shall be conditional upon compliance with the above-mentioned requirements. Approval to conduct monitoring may be revoked at any time by the Fire Marshal for non-compliance of for unsatisfactory performance.

**Las Vegas Fire & Rescue**  
**Fire Prevention Division**  
(702)229-0366  
Fax (702) 229-0124  
[www.lasvegasnevada.gov/LawsCodes/fire\\_code.asp](http://www.lasvegasnevada.gov/LawsCodes/fire_code.asp)

# 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	<ul style="list-style-type: none"> <li>• Pipe Burst</li> <li>• Valve Failure</li> <li>• Supply Failure</li> <li>• Pump Failure</li> <li>• Other systemic failure</li> </ul>	0 – 10 hours per 2008 NFPA 25 §15.5.2(3)	Inform impairment coordinator	Notify FD Dispatch per IFC § 901.6.2 as amended
Limited impairment; overall functionality not reduced. A construction permit is not required by the Fire Code.	<ul style="list-style-type: none"> <li>• Damaged Heads</li> <li>• Corroded heads</li> <li>• Painted heads</li> <li>• Activated Heads</li> </ul>	More than 10 hours	Inform impairment coordinator and institute a fire watch	Notify FD Dispatch and contact fire prevention for fire watch approval
Monitoring Impairment; creating a response delay	<ul style="list-style-type: none"> <li>• Routine Service</li> <li>• Equipment Removal</li> <li>• Service disconnected</li> </ul>	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
Planned Impairment; system out-of-service	<ul style="list-style-type: none"> <li>• Routine Testing</li> <li>• Maintenance</li> <li>• Replacement of piping or valves</li> <li>• Renovation</li> <li>• Additions</li> <li>• Draining a secondary water supply</li> <li>• MIC remediation</li> <li>• Obstruction testing</li> <li>• Recalled Heads</li> </ul>	0 – 10 hours per 2008 NFPA 25 §15.5.2(3)	Monitoring shall continue for 30 days after customer cancellation per NAC 477.349.	<ul style="list-style-type: none"> <li>• Notify FD Dispatch per IFC § 901.6.2 as amended</li> <li>• Notify FD in writing within 24 hours as required by 2009 IFC § 907.7.5.6 as amended.</li> </ul>
Permits are required for activities such as renovations and additions to existing systems.		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	<ul style="list-style-type: none"> <li>Control Panel fail</li> <li>Non-operable NAC circuits</li> <li>Power Supply Failure</li> <li>Non operable data communication circuits</li> <li>Other systemic failure</li> </ul>	<p>0 – 10 hours</p> <p>More than 10 hours</p>	<p>Inform impairment coordinator</p> <p>Inform impairment coordinator and institute a fire watch after approval by Fire Code Official</p>	<p>Notify Fire Code Official and Fire Dispatch per IFC § 901.7</p> <p>Notify Fire Code Official and Fire Dispatch per IFC § 901.7</p>
Limited Impairment; overall functionality not reduced. A construction permit is not required by the Fire Code.	<ul style="list-style-type: none"> <li>Door Holder not operable</li> <li>Single notification device non operable</li> <li>Single non functional smoke detector in protected area</li> <li>Low battery voltage</li> </ul>	<p>System restorable if a fire occurs</p>	<p>Repairs shall be completed within 24 hours per Nevada Administrative Code (NAC) 477.465.</p>	<p>Notify Fire Code Official and Fire Dispatch per IFC § 901.7</p>
Monitoring Impairment; creating a response delay	<ul style="list-style-type: none"> <li>Routine Service</li> <li>Equipment Removal</li> <li>Service disconnected</li> </ul>	<p>0 – 10 hours</p>	<p>Monitoring shall continue for 30 days after customer cancellation per NAC 477.349.</p>	<ul style="list-style-type: none"> <li>Notify Fire Code Official and Fire Dispatch per IFC § 901.7</li> <li>Request fire Watch approval by Fire Code Official</li> </ul>
Planned Impairment; system out-of-service	<ul style="list-style-type: none"> <li>Routine Testing</li> <li>Maintenance</li> <li>Replacement of piping or valves</li> <li>Renovation</li> <li>Additions</li> <li>Draining a secondary water supply</li> <li>MIC remediation</li> <li>Obstruction testing</li> <li>Recalled Heads</li> </ul>	<p>0 – 10 hours</p> <p>More than 10 hours</p>	<p>Inform impairment coordinator</p> <p>Inform impairment coordinator and institute a fire watch</p>	<ul style="list-style-type: none"> <li>Notify Fire Code Official and Fire Dispatch per IFC § 901.7</li> <li>Possible Fire watch may be required</li> </ul>
Permits are required for activities such as renovations and additions to existing systems.				<ul style="list-style-type: none"> <li>Notify Fire Code Official and Fire Dispatch per IFC § 901.7</li> <li>Request fire Watch approval by Fire Code Official</li> </ul>

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