

# CITY OF HENDERSON FIRE SAFETY GUIDELINE

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**Effective Date:** February 4, 2019

**HFS#** 007

**Supersedes:** All Others

**Updated:** September 27, 2023

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**TITLE:** **MONITORING PERMIT GUIDELINE**

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**PURPOSE:**

This guideline is intended to provide guidance to those individuals submitting for a monitoring permit.

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**REFERENCE:** 2021 IFC § 903.4.1 and § 907.6.6 as amended.  
2019 NFPA 72  
Fire Department Standard Operating Procedure EM-01 Responses – Fire and E.M.S.

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**RULES & REGULATIONS**

**I. GENERAL**

1. The following minimum information must be provided for permit review of fire protection monitoring equipment. Installation shall not commence until approved documents are on-site:
  - A. Submit completed application and pay all required fees. Provide one digital set of documents with a detailed scope letter, data screen shots of the signals being transmitted, and manufacturers equipment specification sheets as one file separate from the application itself.
  - B. All supervising stations must be approved by Henderson Fire Safety and have an active City of Henderson Central Monitoring Station permit in place prior to plan submittal. (See guideline HFS-006)
  - C. For supervising stations NOT located in Clark County, NV, provide the following:
    1. Name, address, telephone and fax numbers and contact person of company providing runner service.
  - D. Specify the method of communication between the protected premises and supervising station:
    1. Digital Alarm Communicator Systems
    2. Two-way RF Multiplex Systems
    3. One-way Radio Alarm Systems

- E. Specify the secondary means of transmission for Digital Alarm Communication Transmitter:
1. One-way radio system
  2. Public cellular telephone service
  3. A telephone line number
- F. Specify the signals being monitored. Monitoring facilities shall use the following terminology ONLY:
1. Water Flow Alarm - Notify FD
  2. Fire Alarm - Notify Subscriber <sup>1,3</sup>
  3. System Trouble - Notify Subscriber <sup>3</sup>
  4. Supervisory - Notify Subscriber <sup>3</sup>

If any additional signals are to be transmitted, preface the additional signals with the appropriate signal type (e.g., Supervisory – Duct Detectors)

Signals shall be categorized as follows where present:

Water Flow Alarm - Signals shall include the following:

- a. Sprinkler Water Flow Switches

Fire Alarm - Signals shall include, but not be limited to the following: <sup>2</sup>

- a. Smoke Detectors
- b. Heat Detectors
- c. Manual Pull Stations
- d. Kitchen Hood Extinguishing Systems
- e. Carbon Monoxide Detectors<sup>4</sup>
- f. Hazardous Materials Alarms

System Trouble - Signals shall include, but not be limited to the following:

- a. Ground Fault
- b. Low Battery Voltage
- c. Loss of Power
- d. Open Circuit
- e. Circuit Short

Supervisory - Signals shall include, but not be limited to the following:

- a. Valve Tamper
- b. Gate Valves
- c. Duct Detectors (2021 IFC § 907.3.1)
- d. High/Low Air Alarm
- e. High/Low Water Level Alarm
- f. High/Low Temperature Alarm
- g. Knox Box Tamper
- h. Electric Fire Pump (NFPA 20 § 10.4.7) (NFPA 72 23.8.5.9.1 as amended and 23.8.5.9.2)
  - i. Loss of Phase
  - ii. Pump Running
  - iii. Phase Reversal
  - iv. Fire Pump/Controller Trouble

- v. Controller Connected to Alternate Source (if applicable)
  - vi. Alternate Source Isolating Switch or Circuit Breaker Open (if applicable)
  - i. Diesel Fire Pump (NFPA 20 § 12.4) (NFPA 72 23.8.5.9.1 as amended and 23.8.5.9.2)
    - vii. Engine Running
    - viii. Controller Switch in the off or manual position
    - ix. Fire Pump/Controller Trouble
  - j. Emergency Responder Radio Coverage System (2021 IFC § 510.4.2.5 as amended)
    - x. Loss of normal AC power supply
    - xi. System battery charger(s) failure
    - xii. Malfunction of the donor antenna(s)
    - xiii. Failure of active RF-emitting device(s)
    - xiv. Low-battery capacity at 70-percent reduction of operating capacity
    - xv. Failure of critical system components
    - xvi. The communications link between the fire alarm system and the emergency responder radio enhancement system
    - xvii. Oscillation of active RF-emitting device(s)
- G. For each signal being monitored provide the following:
1. Party(s) to be contacted. (Indicate priority sequence)
  2. Telephone number for each party(s) being contacted
  3. Copies of data screen(s) from supervising station computer system documenting/verifying the above required information

<sup>1</sup> Fire Department notification by supervising station permitted ONLY for: government buildings (all facilities owned, leased and/or operated by any City, County, State, or Federal government agency), schools (including daycares, preschools, public and private schools, etc.) and hospitals (including nursing homes, convalescent homes, adult care facilities, group homes, extended care facilities, assisted living facilities, etc.) when premises is protected by a fire alarm system. (A fire alarm system is a system approved by the Fire Department which consists of both initiating devices per code and notification appliances throughout.) The fire department notification phone number is: 702-267-4913. (907.6.6 as amended)

<sup>2</sup> Required to be interconnected to fire alarm system and dispatched as Fire Alarm ONLY when premises is protected by fire alarm system.

<sup>3</sup> After 8 hours of non-restoral, notify Fire Safety Inspections via phone at 702-267-3930.

<sup>4</sup> Carbon Monoxide detectors shall indicate as an alarm signal unless otherwise permitted to be a supervisory signal per NFPA 72 23.8.4.9.1.