

MINIMUM PERFORMANCE REQUIREMENTS FOR WATERFLOW DETECTION SYSTEMS

The following requirements must be met for any Tier 1 or Tier 2 system:

- ◆ Alerts cannot be suppressed at any point.
- ◆ The solution shall provide detection on the main fire and main domestic supply lines.
- ◆ Detectors must be able to detect "low-flow" rates of the following values (or lower):

Pipe Size (inches)	3/4	1	2	4	6	8+
Flowrate (gal/min or gpm)	0.1	0.2	0.3	0.3	0.5	0.7

- ◆ If the site utilizes a watchman, they must also receive alerts and the site shall coach the watchman on how to check and shut off water.
- ◆ Vendors must do a monthly check of their call / alert log to ensure all contacts are still valid and if additional contacts need to be included.
- ◆ Battery backup for a minimum of 8 hours. Systems using batteries, whether primary or backup, also need to issue alerts when the battery is below 50% power.

Tier 1 systems must also include the following requirements:

- ◆ Shutoff Capability cannot be suppressed during working construction hours. Vendor can trigger a delay (up to 10 minutes for flows less than 1 gpm, 5 minutes for flows greater than or equal to 1 gpm) to allow personnel to respond prior to automatic shutoff.
- ◆ Unless valves need to be left open overnight, as indicated in advance by the insured to the vendor, the solution must shut off water at the end of the working day. The solution shall not automatically open valves, the insured's personnel must open the valve remotely or manually. If the valve is reopened before the start of the working day, an alert shall be triggered.

A TRU Preferred Vendor must also provide the following (regardless of system being Tier 1 or 2):

- ◆ The vendor shall include in their contract with the insured: a Limit of Liability, being the lesser of five (5) times of the estimated/actual total contract value OR \$250,000 per occurrence. This limit shall only apply in the event of loss to such insured as a result of negligence by the vendor.

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