



CAL FIRE - OFFICE OF THE STATE FIRE MARSHAL

Code Interpretation 26-03

Issued: July 9, 2026

Gas Detection Monitoring

OVERVIEW

Edition: 2025 Title 24 California Building Standards (January 2026 Errata)
Code: Part 9, California Fire Code (CFC)
Section(s): CFC Section 5307.3.2
Requested By: David Deutsch, Bills Sound & Security
Date Received: July 18, 2025

QUESTION #1

When a Gas Detection System is required by Section 5307.3.2, is the system required to be monitored by a building fire alarm system?

ANSWER #1

No. When a gas detection alarm is activated, alarm signals must be provided in accordance with the applicable section of the 2025 California Fire Code (CFC) that requires the gas detection system. Section 5307.3.2 of the 2025 CFC requires a gas detection system where mechanical ventilation is not provided. This section further requires a supervisory alarm when carbon dioxide (CO₂) levels are present at the lower exposure limit and a local audible and visible alarm when CO₂ levels reach acute hazard levels. The alarm is not intended to be a building evacuation alarm. Furthermore, CFC Section 907.1.5 specifically prohibits the use of fire alarm systems for any purpose other than fire warning or mass notification.

CO₂ gas detection requirements were introduced in the 2019 CFC following several fatal CO₂ exposure incidents in public assembly occupancies associated with beverage dispensing systems using high-volume CO₂. The intent of detection and local alarm notification is to warn occupants of a potentially hazardous condition, particularly upon entering an enclosed space where a gas leak may have occurred.

QUESTION #2

When a Gas Detection System is required by Section 5307.3.2, is the system required to be monitored by a sprinkler system supervision alarm system?

ANSWER #2

No. See Answer #1 above.