Monograph Methods for Double-Walled Pressurized Piping and Under-Dispenser Containment (UDC)
Title 23, California Code of Regulations (CCR)

Option #1
Continuous monitoring for the UDC that:
- Shuts down the pump
- Stops the flow of product at the dispenser when a leak is detected in the UDC.

§ 2636(f)(5)(A)

And
Continuous monitoring for the pressurized piping located outside the UDC that is fail safe and shuts down the pump when a leak is detected.

§ 2636(f)(5)(B)

And
A line leak detector that detects a 3.0 gallons per hour (gph) release from the primary containment. (A mechanical or electronic line leak detector may be used to fulfill this requirement.)

§ 2636(f)(2)

And
An annual piping test that detects a release of 0.1 gph from the primary containment. (This can be performed by an electronic line leak detector that is third-party certified to perform a 0.1 gph test or by a California Licensed Tank Tester.)

§ 2636(f)(4)

Option #2
Continuous monitoring for both the pressurized piping and UDC that:
- Activates an audible and visual alarm
- Stops the flow of product at the dispenser when a leak is detected.

§ 2636(f)(1)

And
A line leak detector that detects a 3.0 gallons per hour (gph) release from the primary containment. (A mechanical or electronic line leak detector may be used to fulfill this requirement.)

§ 2636(f)(2)

And
An annual piping test that detects a release of 0.1 gph from the primary containment. (This can be performed by an electronic line leak detector that is third-party certified to perform a 0.1 gph test or by a California Licensed Tank Tester.)

§ 2636(f)(4)

Emergency Generator Option
Continuous monitoring for both the pressurized piping and UDC that:
- Activates an audible and visual alarm
- Stops the flow of product at the dispenser when a leak is detected.

§ 2636(f)(1)

And
Monitoring system is checked at least daily, by either remote electronic access or on-site visual inspections. A log of daily checks shall be available for local agency review upon request.

§ 2636(f)(6)

And
An annual piping test that detects a release of 0.1 gph from the primary containment. (This can be performed by an electronic line leak detector that is third-party certified to perform a 0.1 gph test or by a California Licensed Tank Tester.)

§ 2636(f)(4)

Title 23, CCR, section 2630(d) requires the installation of monitoring equipment such that it is capable of detecting a leak at the earliest possible opportunity. Therefore, an underground storage tank system where the UDC drains back to a low point in the product piping (generally the turbine pump) is not compliant unless a monitoring device is also installed in the UDC. This flow chart was created as a quick reference. Please refer to Title 23, CCR for specific regulatory language regarding other pressurized piping, suction piping, and UDC monitoring requirements. A copy of Title 23, CCR is available online at: www.swrcb.ca.gov.