



State Water Resources Control Board



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Arnold Schwarzenegger
Governor

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website at <http://www.swrcb.ca.gov>.

LG 163-1

GENERAL RECOMMENDATIONS FOR TESTING LEAK DETECTION SENSORS

(Available electronically at <http://www.waterboards.ca.gov/ust>)

January 5, 2006

To: Local Agencies and Other Interested Persons

The purpose of this letter is to provide recommendations for testing leak detection sensors as part of the annual monitoring equipment certification¹. The August 2002 report on the *Field Evaluation of Underground Storage Tank (UST) System Leak Detection Sensors*, conducted by State Water Resources Control Board (SWRCB) UST Program staff, identified a lack of consistency among test procedures used during annual monitoring certifications. Therefore, SWRCB UST Program staff drafted LG 163 to provide recommendations on how to perform functional testing on leak detection sensors. In addition to describing test procedures, this document will also help tank owners, local agencies, and other interested parties determine who is qualified to perform annual monitoring equipment certifications.

LG 163-1 is an update of LG 163 (issued in January 2004). The "General Recommendations for Testing Leak Detection Sensors" (Enclosure 1) has been updated to include information on testing of the vacuum and pressure interstitial monitoring systems commonly used on UST systems installed on or after July 1, 2004. LG 163-1 also includes a form (Enclosure 2) that can be used to record the Annual Monitoring System Certification results for vacuum and pressure interstitial monitoring systems. This form should be attached to the Annual Monitoring System Certification form found in California Code of Regulations (CCR), Title 23, Chapter 16, Appendix VI.

If you have questions regarding this document, please contact Mr. Scott Bacon at (916) 341-5873.

Sincerely,

[*Original Signed By*]

Elizabeth L. Haven, Manager
Underground Storage Tank Program

Enclosures (2)

¹ California Code of Regulations (CCR), title 23, section 2637 (b) specifies that all monitoring equipment (e.g., sensors) must be tested in accordance with the manufacturer's testing procedures and certified annually for operability, proper operating condition, and proper calibration.