



County of San Diego
DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(858)505-6700 1-800-253-9933 FAX (619) 338-2377
<http://www.sdcdeh.org>



Interior UST Lining Inspection Requirements

Any tank that is interior lined must be inspected by a *coatings expert* or *special inspector* within ten years of lining and every five (5) years thereafter. A permit is required by the Department of Environmental Health prior to inspecting previously lined underground storage tanks.

A "Special inspector" or "Coatings Expert" must perform and certify the following:

- Determine that the tank has been cleaned so that no residue remains on the tank walls.
- Certify that the tank has been vacuum tested at a vacuum of 5.3 inches of Hg for no less than one minute without any deterioration of the interior lining.
- Visually check the tank interior and lining for discontinuity compression, tension cracking and corrosion. The Inspector must list any deficiencies and report them to this Department.
- The entire tank interior must be *ultrasonic tested* using a thickness gauge on a one-foot grid pattern with metal wall thickness recorded on a form that identifies the location of each reading in order to verify that average metal thickness is greater than 75 percent of the original wall thickness. Ultrasonic testing must be performed in accordance with NLP standard 631 Appendix MI or equivalent.
- Certify that the thickness and hardness of the lining in accordance with nationally recognized industry codes to verify that the lining meets the standard under which the lining was applied.
- Certify the testing of the lining using an electrical resistance holiday detector in accordance with nationally recognized industry codes.
- Certification that the tanks are suitable for continued use for a minimum of five (5) years or the tanks are suitable for continued use for a minimum of five (5) years only if it is relined or other improvements are made or the tanks are no longer suitable for continued use and shall be closed in accordance with CCR Title 23 Article 7.
- Provide certification from a NACE Certified Engineer that the cathodic protection system is providing adequate cathodic protection of the underground storage tanks.
- Notify and supply this Department with the proposed procedures for repair of the lining material prior to making any repairs.

Please Note: Video inspection of the interior lining does not meet the inspection requirements of CCR Title 23.