



## **UNDERGROUND STORAGE TANK MONITORING SYSTEM COLD STARTS**

*For Use Within the Cities of Los Altos, Los Altos Hills, Monte Sereno, Palo Alto, San José, Saratoga, and in Unincorporated Areas of Santa Clara County, Including Moffett Field, San Martin, and Stanford.*

"Cold starts" of UST monitoring systems can be required for various reasons: replacement of circuit boards, upgrading software, reinstalling software to remedy system glitches, etc. While it is possible in some cases for technicians to capture and preserve data in flash memory, cold starts frequently result in the loss of alarm history data and system setup programming. Since system setup programming is fundamental to proper performance of leak detection systems, it is important that HMCD be made aware of and involved in all instances where programming or reprogramming is performed. HMCD requires the following for Cold Starts:

1. A permit shall be obtained from HMCD for all UST monitoring system cold starts.
2. The permit applicant shall submit a completed Hazardous Materials Construction Permit Application specifying the reason for the cold start.
3. Whenever possible, an alarm history report shall be generated and a copy kept at the tank facility prior to wiping the monitoring console's memory.
4. Weekend/holiday and after hours emergency repairs may be made, but HMCD must be notified and a cold start inspection to witness testing for proper equipment performance and verify system setup programming must be scheduled with HMCD as soon afterwards as possible.
5. Installation of parts, programming, or testing of UST monitoring equipment shall be performed by, or under the direct supervision of, a properly trained and certified UST Service Technician as required by 23 CCR §2715(i).
6. During the required inspection, the HMCD inspector will witness functional testing of all sensors, probes, and relays associated with the reprogrammed monitoring system to verify that they are performing all required monitoring functions. Proper functioning of automatic tank gauging probes must be verified in the case of single-wall tanks, or where such systems serve as the primary method of overfill prevention (i.e., by triggering audible and visual alarms). The inspector shall be provided a copy of the system setup report to confirm proper programming for all sensors, probes and relays.
7. For VPH systems and E-Sites, the repair permit fee shall be the current Plan Submittal/Review UST Remodel/Retrofit fee specified at [www.EHinfo.org/hazmat](http://www.EHinfo.org/hazmat). For other sites, the fee shall be the current Minor Repair/Retrofit fee.
8. If all UST monitoring equipment (e.g., line leak detectors) and UST fill spill buckets are tested during the cold start inspection, the UST owner/operator may shift the facility's annual UST monitoring system certification anniversary date to occur 12 months after the cold start inspection and every 12 months thereafter.