



Leak Detection and Locating Systems

Above ground storage tanks hold a variety of dangerous fluids that may pose minor to very serious threats to the environment and the public. Leaks and spills into the ground and water can cause major contamination problems and have harmful impacts on human health and safety.

TraceTek Leak Detection Systems can monitor single steel-floor storage tanks for fuel leaks in Hazardous Areas at a low install and commission cost, with no system integration requirements. A simple visual leak indicator module begins to flash when the sensing cable detects a small developing leak.



Petroleum product leakage from an above ground storage tank threatens the health and safety of a near by residential neighborhood with environmental damage and contamination.



Directional drilling bores below the tank bottom for installation of the Schedule 80 PVC slotted conduit.



The TT-FLASHER Leak Alarm Module monitors for leaks at a storage tank facility in Brisbane, CA.

TraceTek TT5000 Sensing Cable installed inside rows of slotted PVC conduit below a storage tank can detect a small fuel leak and provide a warning alert signal of a tank containment failure. Traces of any fuel leakage are drawn into the conduit by capillary action and contact the sensing cable for detection of the leak.

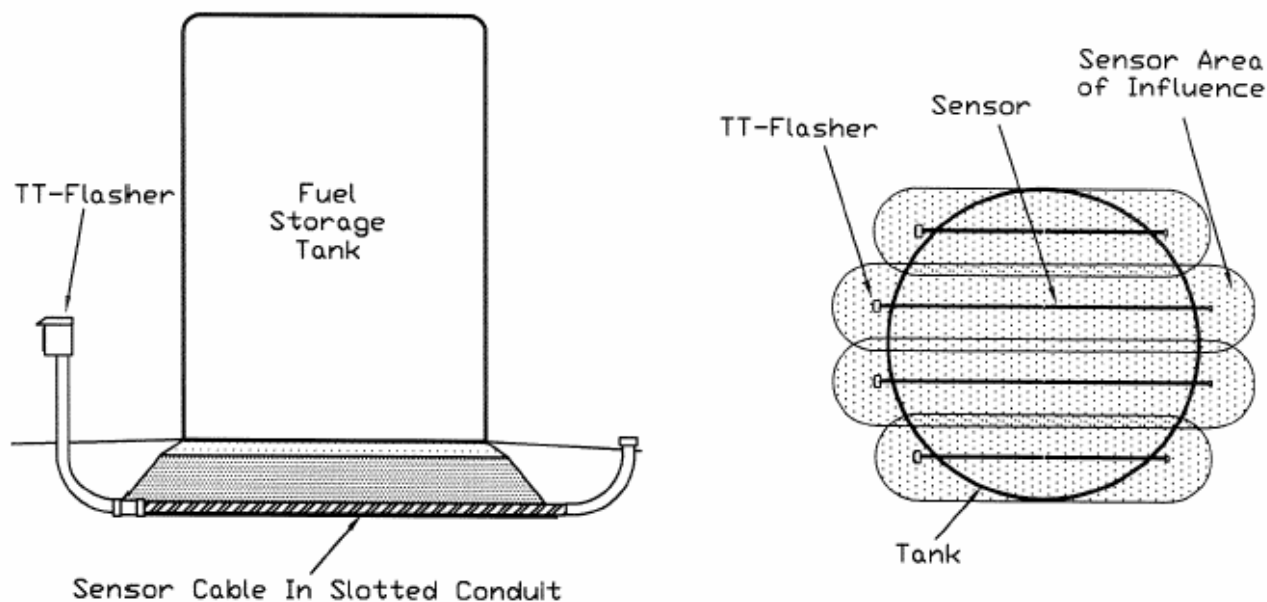
Application Components

Catalog Number	Description
TT-FLASHER	Leak Alarm Module
TT5000-SC	Fuel Sensing Cable
TT5000-CK-MC-M/F	Connector Kit
TT-JC-BLACK	Jumper Cable
TT-MET-MC	Modular End Termination
TT-PR	Pull Rope

Above Ground Storage Tanks



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Below Tank Views of Sensor Cable Circuits

Approvals



Sensing cable may be used in Class I, Division 2, Groups A, B, C, D Hazardous Locations. If wiring from module meets requirements for intrinsic safety, sensing cable may be used in Class I, Division 1, Groups A, B, C, and D Hazardous Locations (Zone 0 or Zone 1 in Europe).



The TraceTek products group is a part of Tyco Thermal Controls. Tyco Thermal Controls is ISO 9001 Certified.

Third Party Test and Evaluation

Carnegie Mellon Research Institute "Test Procedures for Third Party Evaluation of Leak Detection Methods: Cable Sensor Liquid Contact Leak Detection Systems"

Ken Wilcox Associates, Inc "Evaluation of the TraceTek TT5000 Product Sensitive Cable For use as a Leak Detection System For Buried Pipelines"



State of Florida Department of Environmental Protection Approval of the TraceTek TT5000 Leak Detection System for Single-Walled Underground Bulk Product Piping File No. EQ-551

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