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Sentry Leak Detection System Engineering Specification

Leak Detection System

Each tank shall be installed with a leak detection system to detect a leak in the interstitial space of a double wall tank (area between the inner and outer tanks). Leak detection controls are mounted in a NEMA 4X thermoplastic enclosure. To include: power light, leak detection alarm horn, alarm silence push button with light and control relays. Alarm horn to have a sound output of 68-80 dB @ 2 feet. Pilot devices are NEMA 4X rated. The leak detection sensor shall be a 4-wire, 24VDC, single point optical sensor molded of Polypropylene material, rated for temperatures of -40° F to 195°F.

The leak detection system shall comply with the requirements of Division 17 – Instrumentation.

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