



Fuels Safety Program	Ref. No.: FS-123-08 R1	Rev: 1
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Subject: Leak Testing During Commissioning of Underground Tanks
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Table 3 in the Liquid Fuels Handling Code, 2017 sets the requirements for leak detection testing and monitoring of underground storage tanks. When commissioning a double-wall tank system, Table 3 requires either a precision leak detection test or a secondary containment test. The note at the bottom of the table states:

“... Risers, connections, and vents are also susceptible to leakage and shall also be tested.”

Prior to backfilling, vents, risers and connections shall be pressure tested with a soap solution, and a confirmation by a visual examination is required. This is an effective method to test for leaks associated with these fittings. Therefore, unless otherwise indicated in the tank manufacturer’s instructions, no further testing shall be required provided there is a secondary containment test.