



Test Reporting Requirements for the Franklin Fueling TS-5 Series (all models) ATG using the LS-500 Pressurized Line Leak Detection System

BUREAU OF WEIGHTS AND MEASURES

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RESOURCES

[Wis. Admin. Code § ATCP 93.510](#)

https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93/V/510

[Wis. Admin Code § ATCP 93.515](#)

https://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93/V/515

[Materials Approval Page](#)

https://datcp.wi.gov/Pages/Programs_Services/MaterialApprovalsLeakDetection.aspx

[Franklin Fueling](#)

<http://www.franklinfueling.com/americas/en>

[Approval #20160005R1](#)

<https://datcp.wi.gov/Documents/TCP-WM-MA-20160005R1.pdf>

When to submit your test results

- When renewing your annual Permit-to-Operate the owner/operator must supply the department with passing test reports of the 3 most current consecutive months of testing, and each test must be 28-32 days apart. For example, if your first test was June 1, the second test must be July 1, and the third test must be on August 1.
- When an inspection is conducted by the State of Wisconsin, at least 12 months of test reports must be available for review by a state inspector.
- Below is a test report example of the pressurized line leak detection printout for the Franklin Fueling TS-5 series (all models) ATG using the LS-500 line leak detection system. You are required to submit the test report when renewing your annual permit to operate.

Franklin Fueling Systems 3760 Marsh Road Madison, WI 53718 1(800)828-1000 1(800)828-1000 USA		Last Available	08/14/2008 10:39:49
Line Leak Report			
GROSS TESTS			
Name	Result	Test Date	
Line 1	Gross Leak Test Passed	08/14/2008 10:34:04	
Line 2	Gross Leak Test Passed	08/14/2008 10:34:01	
Line 3	Gross Leak Test Passed	08/14/2008 10:33:52	
MONTHLY TESTS			
Name	Result	Test Date	
Line 1	Monthly Leak Test Passed	08/12/2008 13:48:52	
Line 2	Monthly Leak Test Passed	08/14/2008 10:11:53	
Line 3	Monthly Leak Test Passed	08/14/2008 08:01:19	
ANNUAL TESTS			
Name	Result	Test Date	
Line 1	Annual Leak Test Failed	08/13/2008 12:45:36	
Line 2	Annual Leak Test Passed	08/13/2008 23:36:19	
Line 3	Annual Leak Test Passed	08/13/2008 13:58:16	

If you have questions about how your Franklin Fueling Management ATG system works please contact your service company or Franklin Fueling directly. You can also find further information about your specific leak detection equipment on the materials approval page of our website. The Franklin Fueling material approval number is 20160005R1.

Leak detection FAQs

What is leak detection?

“Leak Detection” means determining whether a discharge of regulated substance has occurred from a storage tank system into the environment or into the space between the tank and its secondary barrier or containment.

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Leak detection FAQs (cont.)

What is "ATG"?

"Automatic Tank Gauging" (ATG) or "Automatic Leak Detection" means a leak detection or monitoring system that will provide continuous 24-hour monitoring for the detection of a release or leak of vapor or product and will immediately communicate the detection of the release or leak to an electronic signaling device.

What is Pressurized Line Leak Detection Monitoring?

[Wisconsin Administrative Code §§ ATCP 93.510](#) and [93.515](#) require all new and existing underground tank piping systems which store regulated substances to be provided with a method of leak detection. One of the acceptable methods of leak detection is pressurized line leak detection (LLD) testing.

Pressurized line leak detectors operate during idle periods by independently pressurizing the pipeline system, then isolating the system from the pump and monitoring the pressure drop. The pressure drop is measured for several pressurization cycles. When the leak detection system determines that thermal effects have been sufficiently reduced, it compares the final pressure drop with a preset limit. If the pressure drop exceeds that limit, a leak is declared.