

Test Reporting Requirements for the Marley Pump ATG using the PPM 4000 or the RLM 9000 Pressurized Line Leak Detection System

BUREAU OF WEIGHTS AND MEASURES

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RESOURCES

Wis. Admin. Code § ATCP 93.510

https://docs.legis.wisconsi n.gov/code/admin_code/a tcp/090/93/V/510

Wis. Admin Code § ATCP 93.515

https://docs.legis.wisconsi n.gov/code/admin code/a tcp/090/93/V/515

Materials Approval Page https://datcp.wi.gov/Page s/Programs_Services/Mate

rialApprovalsLeakDetectio n.aspx

Marley Pump

http://www.veeder.com/u s/red-jacket-fuel-pumpingsystems

Approval #990047-u https://datcp.wi.gov/Docu ments/ER-BST-MA-990047-u.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 log for the Marley Pump ATG using the PPM 4000 or the RLM 9000 line leak detection system. Both of these line leak detection systems are not able to print test reports, the operator must keep a monthly manual log.

PMMIC TEST REPORTING FORM Red Jacket PPM-4000/RLM-9000 Annual Line Test & Electronic Line Leak Detector (fill in all information/keep monthly log)					
Site Name	Telephone No.				
	City Zip				
_					
Product or Line No.	Precision Test	Standard Test	Pressure Read	Month/Day/Time	Recorded By
					-

If you have questions about how your Marely Pump Red Jacket ATG system works please contact your service company or Marley Pump directly. You can also find further information about your specific leak detection equipment on the materials approval page of our website. The Marley Pump material approval number is 990047-u.

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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.

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?

<u>Wisconsin Administrative Code §§ ATCP 93.510</u> and <u>93.515</u> 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.

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