

Environmental Joint Insurance Fund (E-JIF)
Periodic Testing & Construction Requirements for Aboveground Storage Tanks with Buried Piping
Systems – rev. JULY 7, 2015

1. SCOPE

- a. This document constitutes the testing requirements for all existing and new members of the Environmental Joint Insurance Fund (EJIF) who operate an aboveground storage tank that is equipped with underground piping.

2. APPLICABILITY

- a. These testing requirements apply to all aboveground tank systems which are equipped with buried product piping and which convey the following:
 - i. Motor fuel;
 - ii. Petroleum products which are liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute);
 - iii. All substances which are liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute) listed in Appendix A of N.J.A.C. 7:1E; and
 - iv. Used oil (Waste oil).

3. EXEMPTIONS

- a. Any EJIF member who maintains continuous compliance with the release detection methods and construction requirements detailed in N.J.A.C 7:14B-4 and 7:14B-6 for their buried piping system shall be considered to be in compliance with these testing requirements.

4. TESTING FREQUENCY

- a. **These testing requirements are required on a biennial (every other year) basis for all applicable EJIF members, effective for all existing and new members beginning March 7, 2012, with a compliance deadline of July 1, 2013.**
- b. Evidence of successful testing should be forward to:

BERGEN, MORRIS, SOUTH BERGEN, SUB ESSEX, NJUA	CAMDEN, MONMOUTH, OCEAN, PMM, SUB MUNICIPAL, CENTRAL, TRICO, BURLCO
Rich Erickson, First Environmental	Chris Gulics, T&M Associates
91 Fulton Street, Boonton, NJ 07005	11 Tindall Road, Middletown, NJ 07748
973-334-0003	732-671-6400
RERICKSON@firstenvironment.com	cgulics@tandmassociates.com

5. APPROVED BURIED PIPING TEST METHODS

- a. Appendix A of this document includes an overview of acceptable test methods for buried piping
- b. Soil and/or groundwater samples submitted in lieu of the methods detailed in Appendix A will not be accepted as a means of demonstrating compliance with this standard.
- c. Alternative methods for demonstrating compliance will be considered, but **MUST** be approved by the EJIF Engineer in advance of any implementation of that method. Methods determined by the Engineer as not meeting the EJIF requirements will not be accepted for demonstrating compliance.

6. SUGGESTED VENDORS

- a. Below is a list of third-party unaffiliated vendors who are approved by the State of NJ who can provide these services:
 - i. **Crompco, LLC**
 - Contact: Garrett Brodie
 - Phone: 800-646-3161 x977
 - Certification #: US00070
 - garrett.brodie@crompco.com
 - www.crompco.com
 - ii. **Charles J. Hoffman Jr & Son**
 - A. 732-681-1985
 - B. Certification #: US302506
 - C. www.hoffmantankremoval.com
 - iii. **Accurate Tank Testing, LLC**
 - A. 201-848-8224
 - B. Certification #: US00006
 - C. www.oiltanktesting.com
- b. In the event the owner/operator chooses to select an alternate vendor for testing, said vendor must be licensed by the NJDEP to perform the testing requirements.

7. APPROVAL PROCESS

- a. Once the Environmental Engineer has received evidence of a continuous leak detection system or results of testing of product piping completed in accordance with the criteria described above, the Environmental Engineer reserves the right to inspect the site and system to verify the information submitted. Once completed, a letter will be provided to the owner/operator with our evaluation of the information submitted and recommendations on required actions (if necessary). If denied, recommendations for corrective action will be provided.

8. REIMBURSEMENT PROCESS

- a. Results of one of the approved testing processes need to be submitted first to the Environmental Engineer for review. Upon approval, these results will be forwarded on to the Executive Director of the EJIF (PERMA) for reimbursement of up to \$400.00 per test.
- b. Please visit the EJIF website at www.njejif.org for the proper voucher. On the Home Page, click on “*New Requirements for Aboveground Storage Tanks With Underground Piping*” and then click on “AST_UGP_Voucher”.

Appendix A – Testing Standards

Buried Piping Construction Type	Minimum Tightness Test Standards	Testing Frequency
Metallic Piping (New & Existing)	Any test method which meets:	
Non-Metallic Piping (New & Existing)	<p><i>EPA Standard Test Procedures for Evaluating Leak Detection Methods (EPA/530/UST-90/004 through 010)</i></p>	Piping systems that meet the applicability in Section 2 above:
<p>Double Walled Piping*</p> <p><i>*Both the inner and outer piping must pass an industry standard Tightness Test</i></p>	<p>And has been endorsed by the:</p> <p><i>National Work Group on Leak Detection Evaluations</i></p> <p>That meets the following <i>Line Tightness Test Method</i> conditions:</p> <ol style="list-style-type: none"> 1. The test method can determine a leak rate or quantity of at least 0.1 gallons per hour (gph) 2. The test method has a probability of detection (Pd) of at least 95.0% 3. The test method has a probability of false alarm (Pfa) of 0.05% or less. 	<ul style="list-style-type: none"> • Testing to be conducted annually. <p>Exempt piping systems as specified in Section 3 above:</p> <ul style="list-style-type: none"> • Testing to be conducted in accordance with N.J.A.C. 7:14B-6.

Online Resources:

1. National Work Group on Leak Detection Evaluations (NWGLDE)
 - a. www.nwglde.org/downloads.html
2. NJDEP Release Detection Requirements
 - a. www.nj.gov/dep/srp/regs/ust/ust_06.pdf
3. EPA Standard Test Procedures of Evaluating Leak Detection Methods
 - a. www.epa.gov/oust/pubs/protocol.htm