Underground Corrosion Protection Plan

The underground corrosion plan includes the following.

- **Annual Cost: $99.00 Includes**
  - **Initial inspection and testing**
  - **Follow-up testing every 3-years**
  - **Test results and readings**
  - **A detailed description of any follow-up recommendations**
  - **Sippin Energy Products will provide any mechanical repairs needed as well as any underground excavation required to perform anode repairs or replacements.**
  - **A 20% discount on all materials and labor for repair or replacement of cathodic protection systems.**
  - **New customers with a new installed buried tank, 1st year FREE coverage.**

234 Main Street, Monroe CT 06468

www.sippin.com • CT Lic # S1-303723

1-800-994-FUEL (3835)

SIPPIN® ENERGY PRODUCTS

Heating Oil • Propane • HVAC

24 HOUR WatchGuard™ SERVICE PLANS

Corrosion Protection For Buried Propane Tanks

Exceeding Expectations Since 1919

Corrosion Protection For Buried Propane Tanks

Your buried propane tank may be missing critical protection

A steel buried propane tank could last over 30 years with the proper installation and maintenance, however an unprotected steel tank is subject to corrosion and leaking when buried in soil. Replacing a buried tank can cost over $10,000. Many underground tanks now include cathodic corrosion protection, but some exist without the proper protection, or it may be outdated and ineffective.

Cathodic protection works by attracting corrosive ground currents away from the tank which are then absorbed by the anodes. A proper installation of a buried propane tank includes the installation of one or more anode bags, depending on the size of the tank and environmental considerations. The anode bag(s) are buried near the propane tank and connected to the propane tank with a wire. The anode bag(s) are comprised of magnesium, aluminum or zinc, and are environmentally safe. Replacement or installation does NOT require the tank to be removed.

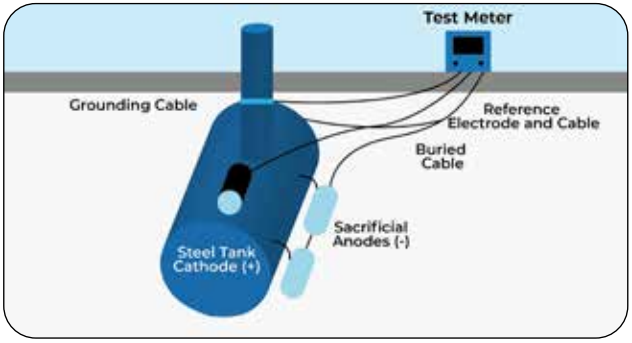
A proper installation would look similar to the illustration below.

.

Cathodic Protection Testing

The cathodic protection system needs to be tested on a regular basis to ensure the system is still working well to fight off corrosion. After testing, the cathodic protection test results are recorded and archived.

The records will provide a history of the readings of current and previous tests. Significant changes in readings would indicate if any work needs to done to the protection system such as replacing depleted anode bags. The document shows what readings are recorded and where the tests were done in relation to the tank.



There are 5 places to test

- Above the tank
- On the two sides of the tank
- On both ends of the tank
- Other important information is also recorded or verified.

What do the regulations require?

It is required that all buried propane tanks be cathodically protected and tested on a regular basis per NFPA (National Fire Protection Association) 58. This regulation was adopted in 2011. Tanks installed before 2011 may not have a cathodic protection system installed. If a tank does not have a cathodic protection system installed. And the tank appears to be in good shape, it can be retrofitted with one. One or more anode bags can be buried near the tank and connected to the tank.

The Sippin Energy tank testing schedule is:

- Newly installed tanks must be tested within 6 months
- After the initial test, the tank will be tested again in 12-18 months after the first test.
- If all readings from the first and second tests were acceptable, the next and subsequent tests can be at 36 month intervals.
- If at any time, an unacceptable reading occurs, the cathodic protection system must be repaired and retested.
- After a repair, the testing interval starts all over again as if the tank was newly tested.