

The Corrosion Monitor

Newsletter: Volume 8 - Spring 2013

Topics

Field Coatings: Asbestos Encapsulation How-to Guide

Farwest News...
Final certification for NSF-61 granted

New... Type of Tracer Wire, Remote Power Alternatives & Remote CP Monitoring

Asbestos Encapsulation Using Trenton Wax Tape

Secondary field applied coating applications are an extremely critical function in the effort to maintain the continued integrity and safety of a variety of metal pipe surfaces. Sometimes, repairs must be conducted under unique and challenging conditions.



There are no more challenging conditions than encapsulating an asbestos coated pipe in an environmentally protected and sensitive area, which is the reason the end user came to The Trenton Corporation for a coating solution.

When considering an effective coating the following criteria must be considered:

1. Environmental Restrictions
2. Environmental Conditions
3. Preparation Requirement
4. Ease of Application
5. Performance
6. Cost

Many major metropolitan areas are faced with decades old potable water pipe coated with coal tar mastic, asphalt, and asbestos. The challenges with respect to replacing the coating on this pipe are many, including the protection of environmentally sensitive areas, lack of a power supply, and the asbestos itself. By using the Trenton Wax Tape Coating System, the existing asbestos and other coatings are completely encapsulated, eliminating the need for remediation. With only an SP-2 surface preparation requirement, very little disturbance is created. In applying the non-hazardous, VOC-free coating, the unique flexibility inherent in the wax tape system allows for easy application over irregularly shaped surfaces for both above ground piping exposed to the elements, and with a fiberglass outer wrap, for buried piping. The end result is a coating system which can last for decades.



[For more information, click here.](#)

Now NSF/ANSI 61 Approved

Farwest was recently granted NSF/ANSI 61 approval for many of our impressed current & sacrificial cathodic protection products used to combat corrosion in potable water tanks. The approved products include MMO & platinum/niobium anode wire assemblies, extruded magnesium anodes, C.P. cable, reference electrodes & related installation hardware.

All certification testing was conducted by IAPMO to determine if the products met the requirements of ANSI/NSF 61 - 2010, Section 8. The final approval certificate was issued to Farwest in February of this year.



C.P. systems are rarely the same, so it's important that we obtain important information about your water tank that includes coating efficiency, water resistivity, operational characteristics, etc. With that, our engineering & customer service teams can better assist you with the proper design & selection of the approved C.P. products.

Monitor Your CP System, Remotely

Remote monitoring of cathodic protection systems is a proven technology & utilization of the proper equipment & software system saves time, effort & money. Farwest is pleased to represent Abriox, Inc., a manufacturer of intelligent remote monitoring equipment. With the Abriox equipment, operators can avoid visiting remote CP sites while maintaining online communication & current system data.



The Abriox product line includes:

- [MERLIN Rectifier Monitors](#), which are a range of compact units offering different measurement specifications. This monitor is usually housed within the rectifier cabinet & communicates using the GSM.
- [MERLIN XT Rectifier Monitor](#) is mounted externally to the rectifier as this model uses satellite communication, so it requires a view of the open sky.
- [MERLIN CP Monitor](#) is a single or multichannel monitor for test station monitoring.
- [MERLIN CP HEMI Monitor](#) is a single or multichannel test station monitor that fits inside cylindrical test post risers.

Abriox monitors provide a variety of benefits that includes system alerts, on-demand readings, electronic synchronized interruption, lightning protection, custom reports and much more. For more information, click links above or call a Farwest customer service representative.

Not Your Average Tracer Wire

Tracer wire is not a product you might associate with a corrosion control company. However, the Trace-Safe water blocking tracer wire is such a unique product that we believe it can benefit many of our utility customers. Benefits over standard tracer wire include:

- **Lightning Strike Resistance** - Trace-Safe will disintegrate at the point of strike and not send current down the line with the potential for explosion or injury. After a strike, a replacement piece of Trace-Safe is easily spliced into the existing system.
- **Tensile Strength** - Trace-Safe has an industry leading 1,800 pound tensile strength making it ideal for directional drilling or open trench use. Multiple conductors are no longer needed.
- **Locating** - Trace-Safe is proven to locate as good as or better than standard 12 AWG copper conductor tracer wire. In addition, the Trace-Safe system includes the industry's first "locate clip", which can be employed at cable ends, hand holes or at test posts.
- **Corrosion Resistance** - Trace-Safe employs water blocking technology in the construction of the Trace-Safe cable and as added protection, the copper conductor is tin coated.
- **Ease of Use and Handling** - Trace-Safe is flexible and lightweight (19 pounds/ 1,000 feet) and when used in conjunction with the new Trace-Safe Connector System, never requires stripping.
- **Abrasion Resistance** - The construction of Trace-Safe provides for industry-leading abrasion resistance.



[Click the picture for more information.](#)

Efficient Remote Power Alternatives

Farwest is now working with Acumentrics Corp., a manufacturer of fuel cell generators (FCG), to provide "off grid" power solutions for the CP industry. Highly efficient, FCG units burn gas (natural or propane) and convert the resultant heat energy into DC power, used to power impressed current CP systems.



Systems are self contained and include output controllers, among many other standard features. The core of the power supplies is a solid state, ceramic tubular fuel cell, which has few moving parts and no fluids to change or spill. Virtually silent, the fuel cell core enables direct generation of DC power without emitting NOx and SOx pollutants.

There are four sizes offered, which include 250, 500, 1,000 and 1,500 watt systems. For detailed product information, [click here](#).

Farwest Corrosion Control Company
Integrity - Service - Quality
... Since 1956

Locations Nationwide

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www.farwestcorrosion.com