

# The Corrosion Monitor

Newsletter: Volume 9 - Fall 2013

## Topics

Mascoat Thermal Insulating Coatings Protect in Many Unexpected Ways

Farwest Certified as WBE; Woman Business Enterprise

Monitor Encased Pipelines with Electromagnetic Waves

## Reduce Safety Risks with Mascoat Coatings

Every industrial facility has inherent safety risks, and many are preventable with a little forward thinking and due diligence. Burns, product spills, fires, heat exhaustion and scalding hot water in safety lines are all safety issues that are caused by either the lack of, or poor maintenance, of insulation. Mascoat provides a proven insulation solution that offers many different types of personnel protection in a coating form.



Mascoat has recently proven, in a study presented to NACE, that its hallmark thermal insulating coating, Industrial-DTI, is capable of protecting personnel from burns up to 375°F (190°C) to ASTM C1055 & C1057 standards. Anyone who has touched a DTI coated surface knows that they can keep their hand on it much longer than the required 5 seconds.

Fires are another potential risk that can be detrimental and possibly fatal. Each Mascoat coating is Class A Fire-Rated and will not contribute to fire; however applying Mascoat's coating to a fire suppression system's electrical box can help minimize damage if there is a fire, and even save lives. The hot summer sun can heat up the electrical boxes storing the fire control systems to the point that the internal electronics short out, preventing them from working and activating fire suppression devices. One simple application of Mascoat on the electrical boxes helps to greatly reduce solar loading and the chance of these vital electronics from shorting out and ensures the fire suppression system remains in good working order.



[Click the photo to learn more...](#)

Heat exhaustion in general can be a huge problem for employers in warmer climates. Many facilities have metal fabrication buildings that are intended to keep workers in the shade but end up putting them in a confined area that absorbs radiant heat and drives up interior temperatures. These buildings can be coated with Mascoat's commercial grade coating, WeatherBloc-IC. In most cases, the internal temperatures are brought down to within 10°F of ambient temperature, making for a much more comfortable, and safer, work environment.

Heat exhaustion can also occur when working near hot units. Some plants only allow personnel to work close to a hot unit for a short amount of time to protect the employee from the effects of heat. Mascoat Industrial-DTI is not only used to prevent workers from being burned but also to help shield them from the dangerous heat emanating from equipment. By installing the coating, managers can make better use of their employees' time while keeping them safe.

## Farwest Granted WBE Certification

In August of 2013, Farwest received official certification as a Woman Business Enterprise (WBE) by the Supplier Clearinghouse for the Utility Supplier Diversity Program of the California Public Utilities Commission. A WBE certification means that an outside entity has confirmed that Farwest is at least 51% owned by a woman or women and whose daily business operations are managed and controlled by one or more of those individuals.

With this certification, we gain exposure to major corporations, federal, state and local government entities that have supplier diversity initiatives in place within their contracts and buying programs. Purchases from Farwest can now be included in these initiatives, which will help certain clients meet buying goals.

[Click here to see the Certificate](#)

These are just a few of the ways Mascoat can help make your facility safer for both you and those who work around you. To learn more about how you can improve safety practices at your facility, [click here to check out these products today](#).

## Decoupling Power Company Grounding Systems



[Click the photo to learn more](#)

Facilities such as metering stations, regulator stations, and compressor stations contain important electrical equipment which must be grounded to comply with electric codes. Unfortunately, these grounding systems can have a very adverse effect on cathodic protection (CP) voltage levels because the CP system is required to cathodically protect both the user's grounding system and the power utility grounding systems, which are typically interconnected.

Fortunately, Dairyland decoupling devices can provide DC isolation of your CP system, while simultaneously providing a permanent reference to ground for AC fault current and lightning. In this application, it would be ideal to ground all electrical equipment through a solid-state decoupling device. Unfortunately, this is typically not practical due to the multiple connections to ground in a facility.

Instead, a decoupler can be installed by the power company at the transformer, to provide DC isolation and AC grounding between the two systems. The user's CP system will not attempt to protect the power utility grounding system. This minimizes the CP current requirements and allows acceptable CP voltage for protection.

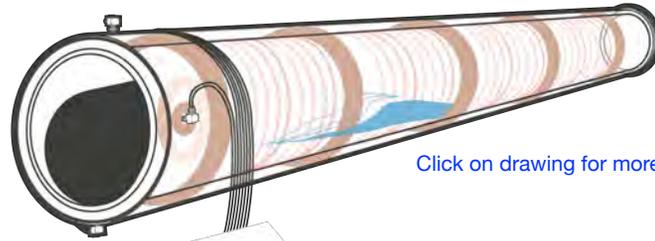
If Farwest can assist you in coordinating the main issues to discuss with the power utility, please do not hesitate to contact us.

For More Information, [Click Here](#)

## PROFILE EMW-C™ Casing Technology

WaveTrue Science + Technologies, Inc. has brought the patented Profile EMW-C™ Tool back online for service to the oil and gas industry. This advanced, proprietary tool provides the pipeline operator an inside view of the potential for corrosion within cased pipe, usually a buried system composed of a coated or wrapped carrier pipe that is evenly suspended within a larger diameter pipe (casing). The casing is designed to provide structural protection against carrier pipe damage, ruptures and external corrosion, but corrosion conditions can develop within the cased pipe environment that can negatively affect the carrier pipe's integrity. The anomalies caused by external corrosion are difficult to predict and identify on the piping within casings and are becoming increasingly common in aging pipeline systems. The need to locate these anomalies makes the Profile EMW-C™ the perfect tool for oil and gas pipeline operators that are responsible for the integrity of their pipeline system.

Here is how WaveTrue Technologies' EMW-C™ technology works in identifying pre-corrosion and corrosion conditions in cased pipe systems:



[Click on drawing for more info.](#)

1. Electromagnetic waves are launched into the annular space between the casing and carrier pipe via permanently installed sensors.
2. Reflections from anomalous conditions, such as water, corrosion, pipe-to-casing shorts and foreign materials, appear as specific reflection curves in the processed data.
3. Anomalies are identified and located along the length of the cased region.
4. Above-ground leads are installed to permanent pipe and casing connectors so that all future regulatory required monitoring can be accomplished without excavation.

Depending upon the system configuration, WaveTrue can normally inspect an entire large casing section in a days time and it is not unusual to inspect multiple smaller pipeline sections in a single day.

[For more information about this technology, click here to visit our website.](#)

## Farwest Expands & Relocates Bakersfield Operation

After almost thirty years at the same location, our Central California operation in Bakersfield, California, has relocated to a new 12,250 square foot building north of Meadows Field airport in Bakersfield. Located at 1120 Carrier Parkway, the new facility will provide more warehouse and yard space to meet the product and service requirements of our clients in the region. Farwest has played a vital role in the oil, gas and water industries for over fifty years and our new facility will allow us to continue our tradition of service into the future.

Our new address is:  
1120 Carrier Parkway  
Bakersfield, CA 93308  
Phone: (661) 323-2077



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

Locations Nationwide

Toll Free: 888-532-7937

[www.farwestcorrosion.com](http://www.farwestcorrosion.com)