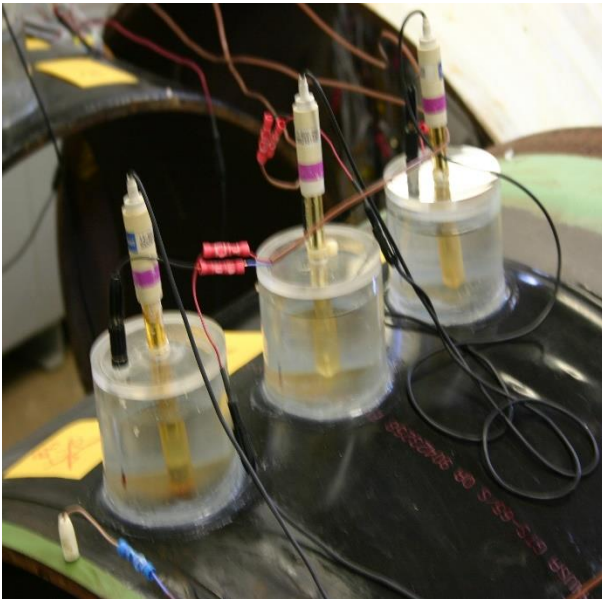


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What is the Current Status of Your Coatings and CP?



Ask a cathodic protection (CP) person what purpose of coating is, the person will say, "oh well that is a paint that reduces my CP current requirement".

Ask a coating person what purpose of CP is, the person will say, "Oh well that is something that is a second fiddle to my coating".

Both coating and CP should work in conjunction to protect the material, e.g., pipeline, from corrosion. Presence of a good coating vastly reduces the amount of current from CP system and as the coating deteriorates the current drawn from CP system would increase.

When they don't work in conjunction, corrosion and stress-corrosion cracking (SCC) will take place. For example, after a coating has disbonded, if it blocks CP current from reaching the surface, SCC conditions prevail.

Thus, measurement of current both during coating evaluation and in the field provides vital information on the status of coating and CP.

Cathodic disbondment test is commonly used to evaluate the compatibility of coating and CP. Some standards require measurement of current during CD test and some standards do not. It is important that all CD test standards should require measurement of current.

Measuring the current in CD test and correlating that with field current demand will help to track to performance of both coating and CP throughout the life cycle. Industry leaders, regulators, and stakeholders should progress towards that goal!

Top Influencer of This Newsletter:

Jeffery Didas



My Story

I am a Senior Corrosion Engineer specializing in Cathodic Protection, Coatings, Internal Corrosion, AC Mitigation and Materials Selection primarily in the Oil, Gas and Water pipelines industries. I have been doing this for 47 years. I have been a NACE (now AMPP) member for 46 years. I have lived and worked all around North America as well as overseas and have been very lucky where I have worked as I worked for a lot of great companies and with some great people. Presently I am now working for Kinder Morgan in the Corrosion Control group and am assigned to the Gas Pipelines Division 1 and based in Tucson, AZ.

I believe in always keep an open mind, listen to what others have to say and always keep learning as the corrosion control industry always has something new or something different/unexpected.

My Style

Listen, process, act and re-evaluate seems to be my pattern for the past few years. I learned the basics of corrosion and corrosion control a long time ago and they have not changed. What has changed is the methods we use to gather, store and analyze data. Keeping up with technology and using that technology has changed the way we work but has not changed how metals corrode and how we control that corrosion. Being involved with NACE TPC/TCC since 1978, being involved in industry associations and being involved in research projects over the years has allowed me to keep up with most new and newer technologies and enhance my corrosion control knowledge.

Greatest Contribution

Industry involvement has been one of my greatest contributions. Being on technical committees writing standards, test methods and state of the art papers has really contributed to the corrosion control industry. The other contribution I am most proud of is teaching corrosion control whether as a NACE instructor or as a committee member and instructor for the AUCSC – Appalachian Underground Corrosion Short Course teaching what we do and how to do it the several generations of corrosion control technicians/engineers/etc. and seeing them go out into industry and become the new experts and professionals in our industry. Of course my

contributions to NACE over 46 years as a volunteer leader and serving as a section and area officer, a director, treasurer and president of the society and being able to promote corrosion control and NACE around the world are also something I am proud of.

Pinnacle Moment

Realizing one day that I had become the “old guy” that people would come to or call up or e-mail for advice and to be able to talk about corrosion and corrosion control. Knowing what I know and what I did not know and being able to give sound advice about what I know.

Advice to Industry

Keep learning! Ask questions! Get involved! Share your knowledge!

To be successful in our industry one must keep on learning and expand their knowledge to get ahead or just keep up. Do not be afraid to ask questions. If change is coming, push back if necessary or at least question why the change or changes are necessary. To get ahead and stay ahead you need to get involved in the industry and participate in NACE Section and Area meetings/events (now AMPP chapters), get involved in regional events such as short courses or industry courses from manufacturers, attend training, go to night school to learn new or updated technologies and if in the pipeline CP world get involved with your local/regional corrosion control coordinating committee. Develop a contact list of fellow corrosion control personnel you can call or e-mail and share information.

Finally, always remember the basics. Do not get too dependent on technology to solve your problems and create a very complicated solution. The basic methods of corrosion control still work and can always provide you with a solution.

Remember Ohms law!