

**The
Society of Tank & Equipment
Professionals**



announces the following
Tennessee
Cathodic Protection Tester
Review Course

Thursday & Friday, April 23 & 24, 2009
Holiday Inn Select - Nashville Opryland - Airport
2200 Elm Hill Pike, Nashville, TN 37214

Tennessee has new Cathodic Protection Testing Forms (as of March 16, 2009). The new forms require a significantly greater amount of information than past forms. The new forms also set forth additional test requirements and use different criteria. This class will provide a review of the correct testing procedures with emphasis on how to properly complete the new forms.

Tennessee Cathodic Protection Tester Review Course

About This Course: This course is being presented by the **Society of Tank & Equipment Professionals (STEP)**. Bill Greer is the Executive Director of STEP and also Executive Director of the Georgia Tank & Environmental Contractors Association (GTEC). Bill is also formerly the last Executive Director of the **Tennessee Petroleum Equipment Contractors Association (TNPECA)**.

Although Tennessee has no certification requirements for Cathodic Protection Testers, it must follow the requirements of federal EPA requirements (CFR 280.12) which state that a **Cathodic Protection Tester** means a person who can demonstrate an understanding of the principles and measurements of all common types of cathodic protection systems as applied to buried or submerged metal piping and tank systems. At a minimum, such persons must have **education** and experience in soil resistivity, stray current, structure-to-soil potential, and component electrical isolation measurements of buried metal piping and tank systems. Also, although Tennessee does not certify Cathodic Protection Testers, the state does specify how testing must be done through guidance. The state of Tennessee has not endorsed this or any other Cathodic Protection Tester class; however, we have invited and do anticipate that Lamar Bradley from the Tennessee Department of Environment & Conservation (TDEC) will be present to give us the background on the new Cathodic Protection Testing Forms and the current status of the revision and reissuing of CGD-109, Compliance Guidance Document on Corrosion Protection.

About the Instructor: The instructor of this course will be **Mr. Craig Meier** with Corrosion Control, Inc. Mr. Meier is certified by NACE and has more than twenty (20) years of experience in the field of corrosion and cathodic protection. Mr. Meier's experience has principally been in the southeast and brings a significant number of actual case histories on underground storage tanks in the area into the instruction. Mr. Meier has been teaching this course for the past eleven years, and it is one of the only courses that has been accepted by Indiana, Georgia, Tennessee, Alabama, North and South Carolina. This course is also accepted in Wisconsin.

This Course Does Meet the Certification Refresher/Renewal Requirements of Other States. Why Take this Refresher Course? - The requirements for cathodic protection testing and reporting have changed in most states. These changes relate primarily to testing of impressed current cathodic protection systems. In the past, testers have been allowed to submit only local "On" potentials. State agencies are requiring that testers now include "On" and "Instant Off" remote and local potentials. The potentials must be recorded on all metallic tanks and piping. The "Instant Off" remote potentials are to be used to provide electrical continuity. State agencies are also using an updated criteria to determine if an impressed current system is effective. The old criteria of -850 millivolts or more negative "On" potential is no longer accepted. The two (2) criteria that will be accepted are an "Instant Off" potential of -850 millivolts or a polarization of 100 millivolts.

Most sites tested do not meet the -850 millivolt instant off criteria. This does not mean they are not protected, but just that they do not meet that particular criteria. At sites that do not meet the -850 millivolt criteria, additional testing and analysis is now being required. If the potentials are close to meeting the "Instant Off" criteria, the rectifier output will need to be increased. The site will then need to polarize for a day or two (2), and then be retested. On sites that are far from meeting the instant off criteria, and have no excess rectifier capacity, you will need to test for the 100 millivolt shift criteria. The system must be turned off for at least 48 hours. After this period of time, depolarized potentials are to be recorded with the reference cell in exactly the same local potential test sites as when "On" and "Instant Off" data was recorded. The achieved polarization is then calculated for each test location by subtracting the "depolarized" from the "instant off" potentials. This calculated value must be 100 millivolts or more to meet criteria.

As can be seen, additional site visits and associated costs are going to occur for most sites. Make your clients aware of this requirement before initial testing. We understand that some state agencies will be issuing Notices of Violation (NOV's) for all sites that are not tested in this manner. One state regulator was quoted as saying "Before, we would let reports go with only "On" data. Now if we see a form that is not completely filled, with polarization tests, we issue an NOV." Many of the state agencies are also no longer accepting potential data recorded on concrete. It is recommended that all potentials be obtained with the reference cell in contact with the soil. If there is no soil access at a site, holes must be drilled into the pavement over the tanks. This class will cover the new testing requirements.

Society of Tank & Equipment Professionals
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Registration Form

Tennessee Cathodic Protection Tester Review Course

Holiday Inn Select, 2200 Elm Hill Pike, Nashville, TN 37214

Course Fee: \$325.00 if registered by April 9, 2009. \$425.00 after April 9, 2009
Additional attendees: \$ 275.00 if registered by April 9, 2009. \$375.00 after April 9, 2009

Company: _____

Contact: _____

Address: _____

City, State, Zip: _____

Phone: _____ Fax: _____

E-Mail Address: _____

Attendees: (Use additional pages if needed)

FEE: 1st Attendee @ \$ _____ Additional Attendees _____ @ \$ _____

Total Fee= \$ _____

If paying by check, make check to "GTEC". FAX YOUR REGISTRATION FORM TO 770-426-5233 ASAP AND MAIL A COPY OF THE REGISTRATION FORM WITH CHECK TO: GTEC, 362 Carl Creek Trail, Kennesaw, GA 30152. CANCELLATIONS MUST BE RECEIVED BY APRIL 17, 2009 TO RECEIVE A FULL REFUND. For Hotel Reservations call 615-883-9770 and ask for special GTEC rate of \$109.00. Note: Directions will be sent to all registrants.

Credit Card Info (circle card type): Visa MasterCard

Name on Card: _____ Card No. _____

Card Holder's Signature: _____

Exp. Date MO _____ YR _____ Card Verification Number: _____

Note: Signer specifically authorizes the charge of the amounts indicated above to the credit card referenced on this form.