

**TABLE 1
NACE CERTIFICATION LEVELS FOR UST CORROSION PROTECTION**

SWRCB DEFINITION (SECTION 2611 CCR)	NACE CERTIFICATION	TRAINING/WORK EXPERIENCE IN CORROSION CONTROL OF USTS TO OBTAIN NACE CERTIFICATION
<p>CORROSION SPECIALIST (Also, is defined as corrosion expert by USEPA)</p> <p>(NACE certification is required unless person is a registered PE with certification or licensing in corrosion control of buried metal pipes and tanks.)</p>		<ul style="list-style-type: none"> ▪ Cathodic protection (includes all areas of expertise under Cathodic Protection Specialist) ▪ Coatings and linings ▪ Metallurgy ▪ Plastics (non-metallic materials) ▪ Inhibitors (environmental treatment) ▪ Corrosion assessment ▪ Stray current or cathodic interference testing and analysis ▪ Corrosion site surveys ▪ Corrosion control designs and recommendations ▪ Work /education experience is the same as for Cathodic Protection Specialist plus a Specialty Area Certification.
	<p align="center">Level 3 Cathodic Protection (CP) Specialist</p>	<ul style="list-style-type: none"> ▪ System design and specifications ▪ Installation supervision ▪ System testing/commissioning ▪ Stray current/cathodic interference testing and analysis ▪ System maintenance ▪ Cathodic protection assessment ▪ Cathodic protection recommendations ▪ Analysis of cathodic protection feasibility ▪ Cathodic protection installation permits/licenses ▪ 4 years CP work experience in responsible charge plus CP level 2 certification or equivalent training plus one of the following: <ul style="list-style-type: none"> • 8 additional years CP work experience plus 2 years post-high school training in math or science from an approved technical/trade school • 2 additional years CP work experience plus 4-years engineering or physical science degree • Engineer-in-Training (EIT) registration or equivalent • Professional Engineer (PE or P. Eng) or equivalent registration. • Bachelor's degree in Engineering or physical science and an advance degree in engineering or physical science that required a qualification exam.

**TABLE 2
NACE CERTIFICATION LEVELS FOR UST CORROSION PROTECTION**

SWRCB DEFINITION (SECTION 2611 CCR)	NACE CERTIFICATION	TRAINING/WORK EXPERIENCE IN CORROSION CONTROL OF USTS TO OBTAIN NACE CERTIFICATION
<p>CATHODIC PROTECTION TESTER</p> <p>(NACE certification is not required; however, persons holding these NACE certification levels are viewed by SWRCB as fully meeting regulatory requirements.)</p>	<p>Level 2 Cathodic Protection Technician</p>	<ul style="list-style-type: none"> ▪ Perform of advanced field tests and evaluate the results ▪ Verify stray current interference ▪ Understand AC voltage and its mitigation ▪ Maintain advanced documentation and records, including data plotting ▪ Conduct and understand the importance or periodical surveys, including IR Free readings and polarization decay tests ▪ Install, repair, modify and test rectifiers and component parts such as circuits ▪ Collect data on ER probes ▪ 3 years CP work experience plus high school diploma or GED plus CP level 1 certification or equivalent training <p align="center">-or-</p> <p>1 year CP work experience plus 4-year physical science or engineering degree plus CP level 1 certification or equivalent training</p> <p align="center">-or-</p> <p>2 years CP work experience plus 2-year post high school training from an approved math or science technical/trade school plus CP level 1 certification or equivalent training</p>
	<p>Level 1 Cathodic Protection Tester</p>	<ul style="list-style-type: none"> ▪ Perform atmospheric corrosion inspections ▪ Understand the basics of corrosion and cathodic protection theory ▪ Conduct insulator tests and identify shorts in CP systems ▪ Use test instruments to perform a variety of field tests and take rectifier readings ▪ Install galvanic anodes and test ▪ Read shunts and understand their use in rectifiers, bonds, and anodes ▪ Perform the periodic surveys such as structure to soil resistivity, coupon tests, offshore platform and riser surveys, rectifier readings, and surveys of bonds and diodes ▪ Knowledge of reference cells and their installation, testing and safety requirements ▪ Basic location mapping, report preparation and record keeping ▪ 6 months cathodic protection work experience plus high school diploma

TABLE 2 (Continued)
NACE CERTIFICATION LEVELS FOR UST CORROSION PROTECTION

SWRCB DEFINITION (SECTION 2611 CCR)	NACE CERTIFICATION	TRAINING/WORK EXPERIENCE IN CORROSION CONTROL OF USTS TO OBTAIN NACE CERTIFICATION
CATHODIC PROTECTION TESTER (NACE certification is not required; however, persons holding these NACE certification levels are viewed by SWRCB as fully meeting regulatory requirements.)	Senior Corrosion Technologist	<ul style="list-style-type: none"> ▪ Installation supervision ▪ System testing and commissioning ▪ System maintenance ▪ Evaluation of system performance ▪ Eight years corrosion work experience, including four years in responsible charge, <p align="center">Or</p> <p>Bachelor's degree in Physical Sciences or Engineering plus four years corrosion work experience in responsible charge.</p>
	Corrosion Technologist	<ul style="list-style-type: none"> ▪ Installation supervision ▪ System testing ▪ System maintenance ▪ Installation work ▪ Routine inspections ▪ Preliminary data analysis ▪ Minimum of four years corrosion work experience
	Corrosion Technician ¹	<ul style="list-style-type: none"> ▪ Routine system testing ▪ System maintenance ▪ Routine inspections ▪ Installation work ▪ Minimum of two years corrosion work experience

NACE requires that a Corrosion Technician performing as a Cathodic Protection Tester must be directly supervised by a Corrosion Technologist, Senior Corrosion Technologist, Cathodic Protection Specialist, or Corrosion Specialist.

NOTE 1: A Corrosion Specialist is referred to as a Corrosion Expert by USEPA.

NOTE 2: NACE International Certification requires a combination of fulfillment of work experience and college education requirements as well as successfully passing a certification examination pertinent to the category of certification. All applicants must provide documented proof of acceptable work experience in the field of corrosion causes and mechanisms