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Other News

Bolling Air Force Base Partners with NACE to Host first CP 1 Course

By Gretchen Jacobson

A Department of Defense plan to partner with the U.S. corrosion prevention industry was advanced in September when Bolling Air Force Base (AFB) joined NACE International to sponsor its first-ever CP 1-Cathodic Protection Tester course. Classroom instruction took place at the Gadsby's Tavern District Complex in Alexandria, Virginia, from Sept. 18 through 24, and included field study at three Bolling AFB sites.

The intensive, six-day course addressed the electrochemical principles of preventing corrosion of metallic pipeline systems. Topics included the theory and fundamentals of basic electricity, electrochemistry and corrosion concepts, CP theory, CP systems, and CP field measurement techniques. The Bolling AFB training included 11 government employees and three government consultants interested in learning how to measure the effectiveness of galvanic and impressed current CP systems.

"This Cathodic Protection Tester course was tailored to accommodate the specific water transmission, distribution, and storage facilities at Bolling Air Force Base," said Jeremy Hailey, a NACE International CP instructor. Hailey and fellow instructor Charlie Henderson reviewed proper techniques for testing materials and methods of construction, including welded and mechanical joints. In addition, they discussed corrosion control methods for protecting underground fuel lines and fuel storage tanks through on-site, hands-on experience.



Above: Jeremy Hailey (right), a NACE International cathodic protection (CP) course instructor, demonstrates how to test a CP system during a CP-1 course field training on Sept. 21 at Bolling Air Force Base, Washington D.C., in cooperation with the 11th Civil Engineer Squadron. CP helps engineers prevent the corrosion of underground pipes. The level-1 training course is provided by NACE in cooperation with the DoD to train system technicians. U.S. Air Force photo courtesy of Staff Sgt. Amber Whittington.



Above: Charles Henderson (center), a NACE International cathodic protection (CP) system course instructor, shows students how to test a CP system during a course field training conducted at Bolling Air Force Base, Washington D.C., on Sept. 21, in cooperation with the 11th Civil Engineer Squadron. U.S. Air Force photo courtesy of Staff Sgt. Amber Whittington.