



**US Army Corps
of Engineers®**

ENGINEERING AND CONSTRUCTION BULLETIN

No. 2016-23

Issuing Office: CECW-CE

Issued: 07 Jul 16

Expires: 07 Jul 18

SUBJECT: USACE Drilling Production Centers Drill Crews' Continuing Education

CATEGORY: For Information

1. References:

- a. Geotechnical Investigations (EM 1110-1-1804) January 1, 2001
- b. Standard Practice for Rock Core Drilling and Sampling of Rock for Site Exploration (ASTM D2113), November 1, 2014
- c. Standard Practices for Preserving and Transporting Rock Core Samples (ASTM D5079) July 1, 2008
- d. Standard Guide for Field Logging of Subsurface Explorations of Soil and Rock (ASTM D5434) February 1, 2012
- e. USACE Geotechnical and Materials In-House Drilling and Subsurface Exploration Production Centers December 22, 2014 (Engineering & Construction Bulletin No. 2014-27)

2. Purpose: The purpose of this ECB is to provide information on recommended continuing education for drillers.

3. Background: Subsurface Exploration by drilling is required for USACE missions that include investigation of subsurface environments to evaluate soil characteristics, determine subsurface conditions for construction, identify contaminants, and test aquifers. Drilling provides information used to determine characteristics of rock formations, such as porosity, permeability, fluid content, and geologic age, and the presence of other subsurface conditions that affect the determination of suitable engineering & construction properties. The data collected by drilling is essential to the successful execution of USACE engineering and construction projects, military programs and environmental restoration projects.

4. Recommended Annual Continuing Education: USACE Districts with Drilling Production Centers (DPC) train drillers according to the type of drilling conducted within that district or its Major Subordinate Command (MSC). A drillers' initial on-the-job training provides the basic knowledge needed for drillers, however experience and reinforcement of basic skills are also very important. Annual training for drillers should include a thorough understanding of the latest technology and drilling methods & techniques, Health, Safety, Leadership, CDL Review, and OSHA requirements. Options for continuing education include, but are not limited to, the Geotechnical & Materials (G&M) CoP's Visiting Scholars Program, Corps PROSPECT courses, seminars and workshops, as well as short courses and workshops offered at the annual meeting of the National Groundwater Association (NGWA) and the University of Nebraska's annual Shallow

ECB No. 2016-23

Subject USACE Drilling Production Centers Drill Crews' Continuing Education

Exploration Drilling Clinic (SEDC). Additionally, drillers are encouraged to participate in certification programs and those who have current certifications should continue to participate in those annual continuing education programs to meet appropriate recertification as deemed essential by their respective districts. Each district with a DPC is encouraged to promote participation in annual continuing education programs for their drillers and to ensure the Corps maintains the highest professional standards.

5. **Point of Contact:** The POC for this ECB is Marty Goff, P.G., CECW-CE, 202-761-1992.

//S//

JAMES C. DALTON, P.E.
Chief, Engineering and Construction
U.S. Army Corps of Engineers