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SUBJECT: USACE Geotechnical & Materials In-House Materials and In-Situ Testing Laboratories

Applicability: Information

1. Purpose: The purpose of this ECB is to provide information on materials and in-situ testing resources available for use throughout USACE.

2. References:

- a. Memorandum, CECW-ZA/CEMP-ZA, 4 May 2010, subject: Requirement to Perform Appropriate In-House Engineering Design Work Needed for Building a GREAT Engineering Force.
- b. USACE Campaign Plan, Action 2c2: "Improve technical competence and methods of delivery."
- c. ER 1110-345-100, Design Policy for Military Construction, 15 Feb 1994.
- d. ER 1110-1-261, Quality Assurance of Laboratory Testing Procedures, 28 Apr 1999.

3. The USACE Geotechnical & Materials In-house Materials and In-Situ Testing Laboratories provide the Corps with geographically distributed assets needed to meet project requirements for materials testing for Corps missions. These labs can provide the technical expertise for aggregate testing, concrete testing, rock & soils testing, A/E laboratory inspections and validations, field investigation activities, programmatic project and resource planning, technical work plan development, agency technical review, technical contract document preparation, QA/QC contractor oversight, and final project reports or after action report compilation/reviews. USACE materials and in-situ testing laboratory locations are:

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- a. ERDC
- b. Baltimore District
- c. Far East – Republic of Korea
- d. New Orleans District
- e. Savannah District
- f. Seattle District
- g. St. Louis District
- h. Vicksburg District

4. All Districts are encouraged to consider these in-house resources for materials and in-situ testing needs on all projects. The labs maintain the necessary equipment and infrastructure to ensure overall capability and capacity to perform in-house project work, and to immediately respond to any national crisis. An Advisory Board has been established to coordinate activities between the labs.

5. The Geotechnical & Materials in-house labs offer excellent training opportunities for newly hired and experienced geotechnical engineers and geologists in an actual production laboratory environment thereby providing a cost-effective means to improve and enhance the technical competency of Corps personnel. This in-house capability provides the opportunity for Corps personnel to gain experience with the development of best practice methods and the latest in testing technologies and procedures for materials and in-situ laboratory testing.

6. Information regarding the USACE in-house materials and in-situ testing laboratories is posted at the following TEN page:

<https://ten.usace.army.mil/TechExNet.aspx?p=s&a=INITIATIVES;14>).

The point of contact (POC) for testing activities is Mr. Keith Rudie, CENWS-EN-GB-SS, 206-316-3948.

7. HQUSACE POC for this ECB is Mr. Marty Goff, P.G., CECW-CE, 202-761-1992.

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