

## Savannah Contacts

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## EMU Office Contacts

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Technical Support of Paving Operations



Materials Investigations



Concrete Plant Inspections



Drum Sampling



Laboratory Materials Testing



*U.S. Army Corps of Engineers,  
Savannah District*

## ***Environmental & Materials Unit (EMU)***



Serving USACE with quality technical  
Environmental & Materials expertise.

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*U.S. Army Corps of Engineers,  
Savannah District*

# *Environmental & Materials Unit (EMU)*

As part of the Savannah District of the U.S. Army Corps of Engineers, the EMU office provides continuous technical support for USACE projects within SAC, SAJ, SAM, SAS, SAW, MVD, MVK, MVN, NAO, NAB, POF, POH, SWF & SPK as well as for other agencies such as the Anniston Army Depot and the U.S. Geological Survey. Technical assistance and inspections have taken our personnel as far away as the Republic of Korea, Palau, Ecuador, Bolivia, Peru, El Salvador, and Puerto Rico. The EMU technical staff consists of two chemists and two civil engineers with a combined USACE experience of more than 70 years. The EMU office established in June 1998, works as a field operating unit in the Savannah's Engineering Division Soils Section to support regionally located work such as Fort McPherson, Fort Gillem, and Anniston Army Depot. The technical staff is comprised of former SAD Laboratory personnel with background, training, and experience in the Environmental & Materials field that is very difficult to find within USACE today. We specialize in field investigations, inspections, sampling events, contract data review, and conducting geotechnical training sessions. Our office takes pride in the quality technical support of customers across the nation and world.

## **Environmental Capabilities**

- ⇒ Monitoring Well Sampling including Methane Gas (UST Sites, Landfills, and Burial Sites).
- ⇒ Stormwater & Waste Sampling.
- ⇒ Surveys & Sampling (Asbestos and Lead Based Paint).
- ⇒ Sample Handling, Preservation, & Utilization of Contract Testing.
- ⇒ Report Generation from Contract Sample Data (Test Data Review/Evaluation).
- ⇒ Contract Management and Consultation.

## **Materials Capabilities**

- ⇒ Materials Engineering Investigations & Handling/Coordination of Materials Testing.
- ⇒ Commercial Materials Laboratory Audits/Inspections for the Waterways Experiment Station Materials Testing Center.
- ⇒ Participating with Construction QA Teams.
- ⇒ Providing Onsite Technical Assistance with Asphalt Cement Concrete (ACC) and Portland Cement Concrete (PCC) Pavement projects.
- ⇒ Materials Contract Specification & Test Data Review.
- ⇒ Asphalt & Concrete Plant Inspections.
- ⇒ Training Workshops (Soil Classification, Density Control, Concrete Testing, ACC & PCC Design, Production, and Placement).
- ⇒ Roller Compacted Concrete (RCC) Expertise (Design Construction, & QA Evaluation).

## **Materials Testing**

- ⇒ **Aggregate:** ASTM's: C29, C40, C88, C117, C127, C128, C131, C136, C142, C566, C702, D75, & D5821.
- ⇒ **Bituminous:** ASTM's: D2726 & D3666.
- ⇒ **Concrete:** ASTM's: C31, C39, C42, C138,

C143, C172, C173, C192, C231, C470, C511, C617, C805, C1064, C1077, & C1231.

- ⇒ **Soils:** ASTM's: D421, D422, D698, D854, D1140, D1556, D1557, D2166, D2216, D2434, D2435, D2487, D2488, D2850, D2937, D2974, D3080, D3740, D4186, D4220, D4318, D4767, D5084, D5852, D6913.
- ⇒ **Masonry:** ASTM's: C109 & C1019.



Soil Classification Training Workshop



Asbestos Sampling



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