ENGINEERING DIVISION DRILL CREW

OVERVIEW

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG

The Kansas City District's Drilling Crew has a broad capability in numerous drilling and sampling methods with over 40 years of extensive experience in dam construction, maintenance investigations and hazardous, toxic and radioactive waste investigations. The Kansas City District's Crew has the capability to conduct most routine soil and rock drilling and sampling investigations, but the strongest asset is the capability to perform special drilling methods and apply conventional drilling methods to the most unconventional situations.

Kansas City District Drilling Crew Summary:

- Drilling capabilities can collect subsurface information for the purposes of obtaining samples and determining geotechnical, geochemical, contaminant and/or hydrogeologic characteristics of the subsurface
- Maintains staff of 9 drill crew members, including a heavy mobile equipment mechanic and a foreman
- Maintains staff of 4 field geologists who log each borehole in the field and work within Bentley geotechnical and geoenvironmental software (gINT) database in the office; Field geologists also assist in general rock source and site investigations and prepare diagrams for each instrument or well
- Provides drain cleaning in dam outlet works and gallery dam safety drilling on Corps of Engineers' dams for Kansas City District , as well as out of District dams; most recently at Isabella (DSAC1) for Sacramento District and Herbert Hoover Dike for Jacksonville District
- Provides levee drilling/sampling for Corps of Engineers' levees within Kansas City District as well as out of District, most recently Rio Grande levee for Albuquerque District and American River for Sacramento District
- Conducts drilling for military construction projects at Fort Riley, Fort Leonard Wood and Whiteman Air Force Base
- Conducts drilling for hazardous and toxic waste at formerly used defense sites associated with Whiteman Air Force Base, Kansas Army Ammunition Plant, Schilling Air Force Base and Kirksville Air Force Station
- Maintains equipment including cable tool, rotary, auger, direct push Earthprobe, direct push 20 ton cone penetrometer truck, small specialty equipment for drilling tight spaces such as a dam gallery and support equipment; support equipment includes generator, pumps, skid steer, grout plant and hot water pressure cleaner
- Maintains SCAPS (Site Characterization and Penetrometer Analysis System) cone penetrometer truck which is capable of measuring some geotechnical and chemical properties onsite in unconsolidated material and can provide relatively rapid subsurface site characterization

MISSION STATEMENT: Provide high quality subsurface information and samples for Civil, Military and Environmental projects within the Kansas City District's Area of Responsibility and for Districts in other Divisions who need subsurface investigation support.

Key Messages	Facts & Figures
● Crews are experienced in embankment, foundation and environmental drilling ● Field logs of all borings are produced and routinely entered into electronic data base ● High quality samples are obtained for analyses ● Field work can be adjusted to field conditions and observations	● Staff of 9 drill crew members ● Staff of 4 field geologists ● Over 40 years of drilling experience ● Drill crew provides high quality subsurface information and samples

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July 2013