

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

*(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

21. TITLE AND LOCATION (City and State)  Lake Somerset Dam Project Somerset, PA	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES  2012	CONSTRUCTION (if applicable)  N/A

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER  PA Dept of Environmental Protection Division of Dam Safety P.O. Box 8460 Harrisburg, PA 17105-8460	b. POINT OF CONTACT NAME  Joe Schultz, P.E. Email: joschultz@pa.gov	c. POINT OF CONTACT TELEPHONE NUMBER  412-442-4239
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost.)

**Lake Somerset Dam - Phase II**

**Purpose:** Geotechnical Drilling Investigation for design and construction of new earthen dam and spillway to replace the existing dam.

**AWK's Role:** Drilling & Insitu Testing

**Scope of Work:** Perform seven land accessed and five water accessed steel cased SPT test borings with rock coring to depths ranging between 30ft to 40ft below ground surface and lake bottom. Performed two thirty degree unsampled angle land borings with rock core drilling to 60 ft depth for the purpose of evaluating cross fracturing within the underlying bedrock. Conducted packer testing in two land borings and one water boring to evaluate permeability/degree of seepage through suspected fracturing in the underlying sandstone bedrock. Performed grout take testing in two of the land borings with regard to design and construction considerations for planned grout curtain wall construction. Installed three open standpipe piezometers for the purpose of monitoring incremental changes in the hydrostatic head and directional movement of groundwater flow. Performed two mechanical slug tests for the purpose of monitoring incremental changes in hydrostatic pressure over a specified time period (8hrs). Recovered Shelby Tube and Bulk Soil Bag Samples in selected borings for laboratory soil analysis.



**25. FIRM'S FROM SECTION C INVOLVED IN THIS PROJECT**

(1) FIRM NAME <b>a. Michael Baker Corporation Chad Davis – 412-269-6300</b>	(2) FIRM LOCATION (City and State) Pittsburgh, PA	(3) ROLE Prime Consultant
(1) FIRM NAME <b>b. AWK Consulting Engineers, Inc.</b>	(2) FIRM LOCATION (City and State) Pittsburgh, PA	(3) ROLE Subconsultant