

**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

7

21. TITLE AND LOCATION <i>(City and State)</i> <b>New Victoria Dam near Perth, Australia</b>		22. YEAR COMPLETED	
		PROFESSIONAL SERVICES 1989	CONSTRUCTION <i>(If applicable)</i> 1991
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Water Authority of Western Australia	c. POINT OF CONTACT NAME Robert Wark		c. POINT OF CONTACT TELEPHONE NUMBER 011-618-9429-6641

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost.)*

**PROJECT DESCRIPTION**

New Victoria Dam is a 52 m (171 ft) high RCC replacement dam built to provide water supply to Perth in Western Australia and its surrounding area. It was constructed to replace the old "barrel" arch Victoria Dam, which was completed in 1891. The RCC mixture contained ordinary portland cement, plus a low-lime fly ash that had not been previously used in concrete. Extensive pre-cooling of the RCC was required.

**PROJECT HIGHLIGHTS**

- Highest RCC dam completed in Australia
- First "high paste" RCC mix in Australia using unproven fly ash

**SERVICES PROVIDED**

Ken Hansen, working in concert with Brian Forbes, GHD of Brisbane, Australia, performed a technical review of the design and RCC mixture proportions for the owner, the Water Authority of Western Australia (WAWA). He also consulted on the successful tender by the contractor, Boulderstone - Hornibrook.

**PROJECT COSTS**

- Firm's Amount: \$ N/A



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

a.	(1) FIRM NAME Kenneth D. Hansen, P.E.	(2) FIRM LOCATION <i>(City and State)</i> Greenwood Village, Colorado	(3) ROLE RCC technical review
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