

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

A. EXAMPLE PROJECT KEY NUMBER: **AML 16 L – Sunset Pit Project**

B. TITLE AND LOCATION (*City and State*): **Gas Hills, Wyoming**

C. YEAR COMPLETED - PROFESSIONAL SERVICES: **2004**

D. YEAR COMPLETED - CONSTRUCTION (*If applicable*): **2004**

23a. PROJECT OWNER'S INFORMATION - PROJECT OWNER: **Wyoming AML**

23b. PROJECT OWNER'S INFORMATION - POINT OF CONTACT NAME: Bill Locke (**Barry Shelley, AML Project Officer no longer available**)

23c. PROJECT OWNER'S INFORMATION - POINT OF CONTACT TELEPHONE NUMBER: **307 335-4195**

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

25. FIRMS FROM SECTION INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
BRS Inc.	Riverton, WY	Site Investigation, Design, CM

The Sunset Pit Project is similar in many ways to the proposed McIntosh pit. In both case the open pits were water filled. In the case of Sunset the mine waters were acidic and required treatment. In the case of McIntosh the water generally meets water quality standards with the exception of a slight elevation of radium 226. During the Sunset Pit Project BRS sought opportunities for environmental enhancement including the development of a spring. The McIntosh Pit Project offers similar opportunities. The Sunset Pit Project was completed in 3 phases of construction for a total cost so 3.2 million dollars, as compared to the initial Engineer's Estimate of 4.1 million dollars.

KEY PROJECT REQUIREMENTS:

- **Site investigation and design**
- **Construction Management**
- **Identification of surface and subsurface materials**
- **Radioactive waste disposal and clean-up verification**
- **Earthwork design**
- **Permitting and eligibility determination**

The Sunset Pit consisted of some 250 acres of intensely disturbed mine land with multiple pits, an underground mine, acidic mine water, and extensive areas of unsuitable acid forming and radioactive material. Highwalls exceeded 200 ft. in height and were unstable.

PROJECT INNOVATIONS INCLUDE:

- **The development and enhancement of a spring,**
- **Excavation of pre-mine topography,**
- **Treated pH=3 ground water by introducing calcite cemented sand spoils to pit,**
- **Development of an approved blasting plan for rock,**
- **And utilization of the native rock for drainage control structures as a cost savings and aesthetic measure.**

Before Construction:



During Construction:



Completed Project:



Environmental Enhancements:



Exhumed Pre-Mine Topography



Spring Developed for Wildlife