

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

- A. EXAMPLE PROJECT KEY NUMBER: **AML 7E, Hanna Shallow Ground Water Control Project**
- B. TITLE AND LOCATION (*City and State*): **Hanna, Wyoming**
- C. YEAR COMPLETED - PROFESSIONAL SERVICES: **1996**
- D. YEAR COMPLETED - CONSTRUCTION (*If applicable*): **1996**
- 23a. PROJECT OWNER'S INFORMATION - PROJECT OWNER: **Wyoming AML**
- 23b. PROJECT OWNER'S INFORMATION - POINT OF CONTACT NAME: **Barry Shelley, AML Project Officer**
- 23c. PROJECT OWNER'S INFORMATION - POINT OF CONTACT TELEPHONE NUMBER: **307 473-1393**
- 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 Hanna Shallow Ground Water Control Project is similar to typical coal mine reclamation projects with respect to certain aspects of site investigation and the need to understand past coal mining practices, but differs from most traditional AML projects in that the nature of the hazard is unique.

A brief project description follows:

The Hanna Shallow Groundwater Project required the design and construction of a passive gravity flow system to relieve elevated groundwater levels near foundations, roads, and other improvements. In addition to numerous private residences, the elevated groundwater conditions were impacting Hanna's recreation center and the town's only medical clinic. Since construction required placement of groundwater drains in the immediate proximity of the impacted area at depths of ten feet or more, numerous utility conflicts were encountered. In addition, the ground water conditions created unstable trench conditions. Despite these difficulties and the inherent public inconvenience of this type of project, construction was completed with very limited adverse public reaction. The project employed the principles of partnering and a substantial level of public participation. The project utilized state-of-the-art HDPE and geotextile drainage materials and was very successful in alleviating the identified problems. The recently completed Hanna Master Plan concluded through surveys of the public that the historic ground water problems were alleviated by the 7E project.

KEY PROJECT REQUIREMENTS:

- **Site investigation, design, and construction management**
- **Evaluation of elevated groundwater conditions related to coal mine dewatering**
- **Consents and clearances**
- **Public participation and partnering**
- **Utility and Highway crossings**

Ground Water Drain Discharge – Drains flow year round, even during winter months:

