

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

- A. EXAMPLE PROJECT KEY NUMBER: **AML 8-I Sean Carroll Subsidence Reclamation Project**
- B. TITLE AND LOCATION (*City and State*): **Sheridan County, Wyoming**
- C. YEAR COMPLETED - PROFESSIONAL SERVICES: **1998**
- D. YEAR COMPLETED - CONSTRUCTION (*If applicable*): **1998**
- 23a. PROJECT OWNER'S INFORMATION - PROJECT OWNER: **Wyoming AML**
- 23b. PROJECT OWNER'S INFORMATION - POINT OF CONTACT NAME: **Ernie Robb, AML Project Officer**
- 23c. PROJECT OWNER'S INFORMATION - POINT OF CONTACT TELEPHONE NUMBER: **307 473-8160**
- 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
<b>BRS Inc.</b>	<b>Riverton, WY</b>	<b>Site Investigation, Design, CM</b>

A brief project description follows:

The Sean Carroll project included the Old Monarch, Kooi, Dietz and North Rim Ranch mine sites. The objective of the project was to eliminate hazardous conditions related to underground coal mine subsidence and to mitigate environmental degradation. Hazardous conditions existed due to unstable surface conditions, which could have resulted in the sudden collapse of the roof material overlying the mine drifts. There were numerous vertical and horizontal mine openings, which could have lead to the entrapment of people, wildlife and livestock as well. There was also the potential for toxic and explosive gases. As recently as 1979, several portions of these mines were subject to fires initiated by spontaneous combustion. The main focus of this project was to close the open mine shafts and adits. Over five hundred coal mine related subsidence features were reclaimed, of which thirty-four were extremely unstable and hazardous. A total of fifty-two acres were reclaimed and a surface drainage tributary to the Tongue River, which was captured by the mine subsidence, was restored along approximately a mile of its length. Three impoundments and associated grade control structures were constructed to stabilize the tributary. As an additional benefit the impoundments now provide surface water resources for both wildlife and livestock. The project was bid under a time and materials basis, and was completed ahead of schedule and 19% under budget.

**Before Construction:**



**After Construction:**

