



# Abandoned Mine Reclamation Program PROJECT SUMMARY

## BARDON SHAFT PROJECT

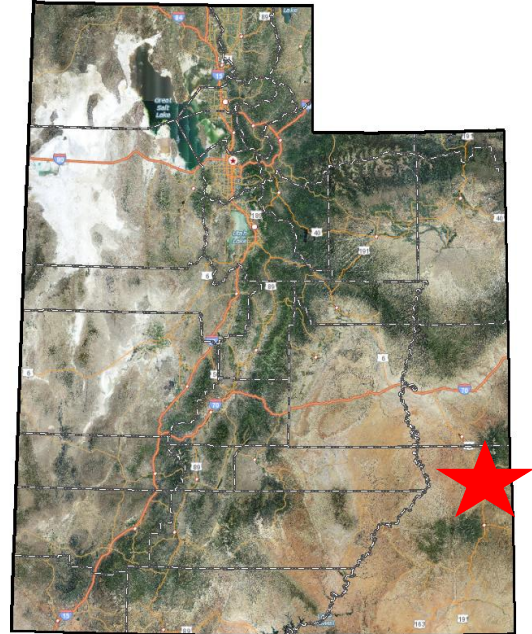
San Juan County, UT

AMR/037/915

### Project Location and Background

The Bardon Shaft Project, located in Lisbon Valley in San Juan County, about 20 miles northeast of Monticello, Utah. The project involved closing two openings from a uranium mine, one large access shaft (8'x12') and a second, smaller, ventilation shaft (3' diam.).

Reclamation consisted of sealing the access shaft with polyurethane foam and a concrete cap. The ventilation shaft was covered by welding a steel lid to the 3' diameter steel casing



The shaft with temporary chain link barrier.



Uncovered ventilation shaft

*The AMRP in the Division of Oil, Gas and Mining, Utah Department of Natural Resources, was created in 1983 to address physical safety hazards associated with abandoned mines as authorized by the Surface Mining Reclamation and Control Act (SMCRA) of 1977. The Program is funded by The Utah Coal Producers who pay an abandoned mine reclamation fee to the Office of Surface Mining (OSM) on each ton of coal mined in Utah.*

**Owner:**  
Bureau of Land Management

**General Contractor:**  
Eastridge Construction LLC.

**AMRP Project Manager:**  
Mark Wright

## Bardon Shaft Project, Construction Summary

Construction Began on May 5, 2013 using the foam to seal the access shaft. During the night of May 5<sup>th</sup> to May 6<sup>th</sup> the foam combusted explosively. It started a small brush fire which was quickly put out. The exact cause of the explosion is still under investigation.

On May 6, 2013 a steel lid was welded onto the vent shaft. On March 5, 2014 the access shaft was refilled with PUF, providing sufficient time for the product to cool after each lift, and covered with a concrete cap.



Sealed vent shaft



Rebar concrete reinforcement over PUF  
in access shaft



Completed construction with concrete cap and rock  
barrier

Accomplishments: 2 openings closed

**Bardon Shaft Project**  
**AMLIS Key: UT000229**  
**Construction Cost: \$32,784.09**