



Abandoned Mine Reclamation Program PROJECT SUMMARY

BYRON HOWARD PROJECT

Project Location and Background

The Byron Howard project site is located near Huntington, Utah, roughly 7.6 miles up Huntington Canyon, then 2.3 miles up Deer Creek Canyon and approximately ¼ mile east of the Deer Creek Coal Mine. The reclamation plan involved removal of coal and non-coal wastes from several waste piles that remained on the steep hillside and along the Deer Creek stream channel adjacent to the main access road leading to the Deer Creek Coal Mine. The waste materials were transported offsite to an approved waste disposal facility. Several open portals were closed and dangerous deteriorating mining structures associated with historic coal mining activities were previously removed from this site as part of an earlier 1991 AMRP reclamation project.

Public Involvement & Partnerships:

Project fliers were posted at 11 public gathering locations in Carbon & Emery Counties & on the OGM website, facebook & twitter accts. encouraging public input in the fall of 2012.

Emery County, Utah

AMR/0015/921



Byron Howard site pre-reclamation (7-10-2013)



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.

Private Land Ownership:

PacifiCorp & McKinnon Family Trust

General Contractor: Kent Bethers Construction, Inc

Engineering Design: URS Corporation

AMRP Project Manager: D. Wayne Hedberg



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Byron Howard Project, 2013 -- Construction Summary

Kent Bethers Construction, from Heber, Utah was awarded the contract for the project. Work included: excavation, loading and off-site disposal of roughly 10,865 tons of coal and non-coal waste from 4 residual Waste Piles (WP1 – WP4), a steep slope and from Deer Creek stream channel embankments. A 5-ft diameter CMP culvert was used for a temporary stream crossing. A pre-existing rip-rapped channel was excavated, coal fines were removed and the rip-rapped channel was reconstructed. Waste coal was removed from a very steep slope, that was then recontoured, seeded & secured w/erosion control matting. The original stream channel embankment was reestablished and stabilized following removal of the temporary access crossing. The WP’s, steep slope and impacted stream channel embankments were recontoured, seeded, covered with erosion control matting or hydro-mulched. Silt fencing, wattles and straw bales were used to control erosion.



Excavation of waste coal materials



Steep slope – erosion control matting placement

PROJECT HIGHLIGHTS:

- Project Cost:** Bid Amount: \$391,998.52
Final Amount: **\$401,887.30**
- Change Orders:** (1) - \$9,888.78
additional coal waste excavation & disposal, erosion control modifications
- Project Dates:** Start: September 9, 2013
Finish: November 7, 2013
44 Work Days
- Accomplishments:** Steep slopes reclaimed: ~1 acre
Coal waste excavated/disposed: **10,849** Tons
Non-coal waste excavated/disposed: **91** Tons
Revegetation: 1.7 Acres



Final reclamation

Byron Howard Project
AMLIS Key: UT000082
Construction Cost: \$401,887.29