



OSMRE

Colowyo Mine

South Taylor/Lower Wilson EA

Reclamation Requirements



STATE OF COLORADO RECLAMATION PLAN REQUIREMENTS and KEY APPROVED RECLAMATION ACTIONS

Timetable to Complete Reclamation

- Final reclamation anticipated to be completed in 2022.

Current Reclamation Bond

- \$80,517,829 for all mining activities (East, West, & South Taylor pits, support facilities, paved haul roads, and Gossard Loadout).



Reclaimed Area, Colowyo Coal Mine

Backfilling and Grading

- Backfill previously mined out areas with overburden from successive cut.
- Grade backfilled mining areas to blend into the undisturbed areas.
- Reshape the final surface to approximate the pre-mining topography.
- Construction of post-mine drainages and stock ponds.

Topsoil Removal, Handling, and Redistribution

- Remove topsoil and redistribute or stockpile as necessary (Complete).
- Redistribute topsoil to required specifications by targeted post-mine ecosystem.

Re-vegetation

- Seed with mixture of grasses, forbs, and shrub species.
- Target establishing browse species for livestock grazing/wildlife on 87% of the reclaimed area.
- Target establishing sage grouse brood-rearing habitat on 13% of the reclaimed area.

Bond Release Process (10 Year Process)

- Phase I: Complete backfilling, regrading, and drainage control of the bonded area.
- Phase II: Revegetation on the regraded mined lands and topsoil replacement.
- Phase III: The lands have been revegetated for 10 years and meet the success standards, and the lands meet the reclamation requirements of SMCRA and the permit.
- Termination of Jurisdiction occurs when all three phases are met and 10 years of monitoring occurs to ensure successful reclamation. Land is returned to the land owner.



Reclaimed Area, Colowyo Coal Mine

Steps to Comply with Clean Air Act and Clean Water Act

- Comply with approved Colorado Air Pollution Control Division permits.
- Comply with approved National Pollutant Discharge Elimination System permit.