



State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Technical Analysis and Findings

Utah Coal Regulatory Program

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PID: C0250005
TaskID: 5249
Mine Name: COAL HOLLOW
Title: 2015 ANNUAL REPORT AMENDMENT

Operation Plan

Topsoil and Subsoil

Analysis:

The soils analysis and Figure 1 showing locations of sampling meet the requirements of R645-301-231.200, because Figure 1 shows the location represented by each composite sample. Sample locations shown in yellow on Figure 1 were taken in July 2015. They are 15TS1 through 15TS 16, minus 15TS7 which was not a sample number or location. Sample locations in shown in blue on Figure 1 were taken in November 2015. They are 15TS17 through 15TS28.

The sampling data indicate that all topsoil has a texture of clay loam, except locations 15TS5, 8, 16 and 28 which are clay in texture. All sample locations had soluble salt levels higher than the pre-disturbance levels, but all still met the "good" suitability range. None meet the definition of saline or sodic soils. Over time, drainage and leaching may reduce the soluble salts in the surface horizon. The sample locations with the most soluble salts were 15TS15 and 15TS20, representing areas north and south of the road at the entrance to Dames dwelling; sample 15TS4 (representing both sides of the transition zone of the reconstructed Robinson Creek) and 15TS21 (representing the area above former Pit 21, reclaimed in 2015).

pburton

Reclamation Plan

General Requirements

Analysis:

The information provided meets the requirements of R645-301-542.100 to provide a detailed timetable for the completion of each major step in the reclamation plan, because updated Drawing 5-38, dated 7/29/2016, illustrates the annual progression of reclamation in the 342 disturbed acres. At the end of 2015, 136 of 178 mined acres were backfilled. Between 2012 and 2015, 104.4 mined acres have been topsoiled and seeded. By the end of 2016, it is projected that an additional 115.8 acres will be topsoiled and seeded. Dwg. 5-38 shows all disturbed area reclaimed in 2019 and Pond 3 reclaimed in 2021.

pburton

Hydrological Information Reclamation Plan

Analysis:

The amendment meets the State of Utah R645 requirements for Hydrology Reclamation Requirements.

The amendment outlines the timeline for removal and reclamation of temporary structures on Map 5-38. The ponds (1-4) and associated diversions will be reclaimed two years after the last augmented seeding.

kstorar

Maps Reclamation BackFilling and Grading

Analysis:

The amendment meets the State of Utah R645 requirements for Reclamation Backfilling and Grading Maps.

The requirements of R645-301-542 are now met within the amendment due to text in the legend that was removed with the drawing edits. The rest of the drawing details the total acres of reclamation to be completed within the stated year. The amendment includes changes to reclamation year of the following bonded areas detailed on Drawing 5-38:

- Excess spoil areas 1 through 6
- Pits 1-A, 1-B, 2, 4, 7, 8, 9-B, 9-C, HWT 1-A, HWT 1-B, HWT 2-A, HWT 2-B, HWT 3-A, and HWT 3-B
- Surface areas 4 and 5
- Robinson Creek

The majority of the changes included extending the excess spoil areas to 2016, which does not included the pending additional borrow area. Changes to the pits were from 2014 and 2015 reclamation to 2016. Changes to the surfaces were from 2015 to 2016 and Robinson creek was changed from 2017 to 2015. The total area backfilled has been updated from the original 88 acres to 136 acres, open pits acreage was changed from 65 acres to 42 acres, and total mined is now shown as 178 acres as of the 4/11/16 revision date of the drawing.

cparker