



GARY R. HERBERT
Governor
GREG BELL
Lieutenant Governor

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

PID: C0150025
TaskID: 4594
Mine Name: BEAR CANYON MINE
Title: CHAPTER 2 CHANGES

Summary

Changes to this table were originally generated by Hiawatha Coal Company in their Tank Seam Phase I bond release application dated February 11, 2009. (The application was denied due to right of entry issues.) The same table was presented in the 2013 Rhino application for Phase I and II bond release of the Tank Seam. In order to complete the bond release with out delay, the revision of this table was deferred as a separate issue.

pburton

Environmental Resource Information

Soils Resource Information

Analysis:

Changes to this table were originally generated by Hiawatha Coal Company in their Tank Seam Phase I bond release application dated February 11, 2009. (The application was denied due to right of entry issues.) The same table was presented in the 2013 Rhino application for Phase I and II bond release of the Tank Seam. In order to complete the bond release with out delay, the revision of this table was deferred as a separate issue.

Table 2-2 lists the acreages by map unit found within the disturbed area. Reclamation of the 5.62 acres along the Tank Seam access road was completed in 2005. That reclamation was within the "Podo-Datino-Rock," "Travesilla," and "Disturbed" soil map units. Wild Horse Ridge expansion in 2007 was followed by contemporaneous reclamation of the road out slopes which further changed the number of acres within map units PC, WIN, WR, DON, DG, GP and DCP (see Plate 2-1B legend for the meaning of the acronyms). Both the reclamation and expansion of the above map units are reflected in the changes to this table.

The soil map that illustrates the locations of these soil map units is Plate 2-1A and 2-1B. Most of the disturbed area was mapped as "disturbed soil" and given map unit "D." There were 23.70 acres listed in the table for map unit D. In revising this soil table, acresge from map unit D have been zeroed out. Some acreage formerly attributed to map unit D have been added to the Datino-Sheepcan-Winetti (DZE) and Travesilla (TR) soil map units. The PDR unit was completely reclaimed by the Tank Seam road. The locations of these map units are along Bear Canyon bottom and slopes to the west, as the shown on Soils Plate 2-1A. No changes have been made to the soils map to eliminate the "Disturbed Soil" map unit, from the soils Plate 2-1A, which still shows the canyon bottom where the mine facilities and coal stockpile piles are located as map unit D.

The Division recommends that the acreage shown as Disturbed on Plate 2-1A also be accounted for in Table 2-2.

Deficiencies Details:

R645-301-121.100, Most of the 19.46 acres stated as DZE soil map unit in Table 2-2 is labeled as ""D"" on Plate 2-1A, therefore, Table 2-2 should report 19.46 acres for soil symbols DZE + D, and the Tank Seam phase III bond release area shown on Plate 2-1A should no longer be labeled ""D"" for disturbed.

pburton

Operation Plan

Topsoil and Subsoil

Analysis:

pburton

Reclamation Plan

Topsoil and Subsoil

Analysis:

Table 2-5 Topsoil Summary Table displays the volume of stockpiled topsoil in each topsoil pile and adds to that the volume of 'in situ' substitute topsoil that has been identified in the plan. The table was updated to show that the topsoil storage stockpiles were completed utilized in reclamation of the tank seam. The 'on-site' material figure shown on Table 2-5 coordinates with the 'Total Topsoil figure for all reclamation areas (TS 3 - 17) on Table 2-8. (Reclamation areas TS 3 - TS 17 are described in Table 2-7 and identified on Plates 2-3 A through 2-3G.) The figures provided in Table 2-8 are generated from Appendices 5-I, 5-J, and 5-K. The new figures shown on Table 2-8 are not substantiated by the engineering designs in Appendices 5-I, 5-J and 5-K and can not be approved with the information provided.

Deficiencies Details:

R645-301-121.100, The new figures shown on Table 2-5 and Table 2-8 are not substantiated by the engineering designs in Appendices 5-I, 5-J and 5-K and can not be approved with the information provided.

pburton