

January 30, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor  
Pamela Grubaugh-Littig, Permit Supervisor

FROM: Priscilla W. Burton, Sr. Reclamation Specialist/Soils

RE: Technical Field Visit, Phase II Reclamation, Energy West Mining Corp., Des Bee Dove Mine, C/015/017

**Other Attendees:** none.

**Date & Time:** January 21, 2003, from 12:30 pm – 1:30 pm

**PURPOSE:**

To observe the progress of Phase II reclamation.

**OBSERVATIONS:**

I began the field visit with a stop at the Energy West offices in Huntington Utah. Neither Mr. Oakley nor Mr. Semborski was available to accompany me to the site.

At the site, I was speaking with employees of Neilson Construction. They indicated that they were busy picking up trash. I noted two CAT track hoes (330 L and 235) and two CAT track dozers (D9 and D8N) and a dump truck were on site.

The hoes were being started up to explore the position of the rock ledge under the pad surface. The topsoil pile left over from Phase I is stored in the vicinity of this activity.

Trench T8A dug in December 2001 was cut into the northern outslope of the bathhouse pad (see drawing #CM 10336 DS). It was never filled in and has caused severe erosion of the bathhouse outslope all the way down to the main drainage. Mr. Oakley later indicated that rain storms during October 2002 caused the erosion. A large berm of soil surrounds the trench to stop water flow from above. However, snowmelt and the impact of raindrops on the eroded gully will continue to wash away the soils of this outslope. These soils are valuable as substitute topsoil.

Erosion of the Phase I reclamation is noticeable on the slope beside the cattle trail, beneath the shotcrete cliff. Erosion was also noticeable on the west side of the fence that has been constructed to keep cattle off the reclaimed area of Phase I.

Photos taken during this field visit can be viewed on the ftp site at <ftp://ogm.utah.gov/PUB/MINES/Coal/015017.dbd/IMAGES/01212003>.

The configuration of pocking will be extremely important in controlling erosion from the Phase II reclamation site. A copy of the extreme surface roughening technique sheet available in the: The Practical Guide to Reclamation in Utah (available online at <http://dogm.nr.state.ut.us>) is attached to this field report. The Practical Guide to Reclamation in Utah indicates that the basins should be 1.5 – 2 feet deep and the width of the bucket (up to two feet wide) in a random and overlapping pattern, making it impossible for water to run down the slope.

Vehicle tracks were noted at the location of the reclaimed pump house. Mr. Oakley was aware of the tracks and is considering placing boulders at the site to limit public access.

## **RECOMMENDATIONS/CONCLUSIONS:**

Erosion of the gully created by trench T8A3 should be monitored and arrested; since it may be some time before the topsoil is harvested from this outslope.

The condition of the topsoil pile stored on the Deseret pad should be evaluated at the next visit.

Prior to commencing Phase II, the contractor should be provided with a copy of a diagram from the reclamation manual showing the most desirable configuration of the pocks. The contractor should be instructed to make the gouges in a random and overlapping pattern.