



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

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April 14, 1999

TO: File

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: David Darby, Senior Reclamation Specialist *DD*

RE: Mid Term Permit Review, UtahAmerican Energy, Inc., Horse Canyon Mine, ACT/007/013-98MT, File #2, Carbon County, Utah

SUMMARY:

The Division conducted the Mid-Term minesite review on December 9, 1998. The field visit, attended by a DOGM review team, viewed areas proposed for Phase II bond release excluded (operational) areas. Deficiency comments were sent to the applicant on December 23, 1998. A response was submitted by EarthFax Engineering on March 10, 1999 addressing the deficiencies observed during the minesite review.

The response to deficiencies, as proposed, are not recommended for use or approval.

TECHNICAL ANALYSIS:

OPERATION PLAN

Hydrologic Information

Regulatory Reference: R645-301-732

Maps submitted by EarthFax depict the ditches and sediment control structures used for the remaining facilities and portal areas excluded from the bond release.

Analysis:

The applicant submitted a map, Figure 1, identifying the method proposed to transfer disturbed drainage across the county road to the sedimentation pond. The applicant proposes to use berms to capture and direct runoff onto the road where it will flow across the surface to another berm which will direct the flow into the pond.

Mid-Term Deficiencies

ACT/007/013

April 14, 1999

Page 2

Findings:

The drainage control method proposed in the EarthFax submittal is similar to the method currently used. During the site visit it was noticed that the drainage method did not work because the road surface slopes away from the edge to the road near the pond. Traffic can easily damage any berm placed along the road and excessive runoff can flow around the berms down the road. In essence the designs are not practical for the situation.

RECOMMENDATION:

It is recommended that the applicant submit plans which meet the a more permanent solution the station such as a system of berms and culvert, which transfer runoff under the road to the pond. Another solution would be to contain runoff on the same side of the road as the disturbed area using a system of berms and containment basin. Design calculations should be submitted for the control method adopted.

cc: Susan White
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