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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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July 8, 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 review on April 21, 1999 and a prior review December 9, 1998. The technical analyses that accompanied these reviews identified deficiencies that have not been addressed completely with the last submittal of June 22, 1999. The plan is not determined complete until the following issues are properly addressed.

TECHNICAL ANALYSIS:

OPERATION PLAN

Hydrologic Information

Regulatory Reference: R645-301-700

Maps submitted by the applicant show disturbed drainage ditches and sediment control structures used for the remaining facilities as well as diversions proposed to remaining in the undisturbed area after mining.

Analysis:

The applicant submitted Drawing NO.II-3D and 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.

As previously mentioned the technical review of April 14, 1999, the method proposed

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does not conform with the regulations, R645-301-752, which require that all flows from disturbed area be treated as well as separating disturbed and undisturbed flows. The method proposed is susceptible to damage by traffic and has functioned continuously in the past.

The method of diverting disturbed area runoff across the county road is not acceptable. The applicant should submit plans for a more permanent solution for diverting and controlling disturbed area as it flows from the diversion ditches 19 and 19b to the sedimentation pond.

RECOMMENDATION:

This application is similar to the submittals previously denied because the proposed structures do not conform to the regulations and can easily be damaged by local traffic.

The applicant should submit plans that contain the runoff to the disturbed area. Diversion #5 does not meet the requirements of the reclamation standards, seen in DWG. NO. II and Figure 1. A more permanent solution is needed such as a culvert, to contain and direct runoff so it does not flow across or down the road, or constructing a sedimentation structure on the same side of the road as the disturbed areas.

Design calculations should be submitted for the control method adopted and maps should contain legends.

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cc: Susan White

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