



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

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February 25, 1998

TO: File

THRU: Joe Helfrich, Permit Supervisor *JH*

FROM: Sharon Falvey, Senior Reclamation Specialist *SKF*

RE: N97-26-7-1, Channel Configuration, Horizon Mining, LLC, Horizon Mine, ACT/007/020-97G, Folder #2, Carbon County, Utah.

**Summary:**

This submittal incorporates changes associated with the county road and Jewkes Creek stream re-alignment.

**Analysis:**

The Jewkes Creek channel at the outlet of UC-1 was impacted during two consecutive storm events in August of 1997 which resulted in erosion downstream of the permitted disturbed area. Violation N97-26-7-1 was issued as a result. The Division requested that Jewkes Creek below the disturbed area be designed and incorporated into the permit with the capability of the channel to carry the velocity from flows equal to the maximum capacity of the natural channel section. The design D50 was increased to 9 inches.

**Findings:**

The plan meets the requirement of this section. Including designing the channel riprap at the maximum capacity of the natural channel section as specified by the Division according to **R645-301-742.324.**

**Recommendation:**

This amendment should be approved and incorporated into the plan as it relates to resolving violation N97-26-7-1.