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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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October 25, 1988

TO: John Whitehead, Permit Supervisor  
FROM: Richard V. Smith, Geologist *RVS*  
RE: Inaccessible Water Monitoring Stations, UG-1 and TM-2,  
Beaver Creek Coal Company, Trail Mountain #9 Mine,  
ACT/015/009-88(c), Folder #2, Emery County, Utah

## Synopsis of Proposed Amendment

The operator proposes to amend the approved water monitoring plan by replacing UG-1 with UG-2, located in the West Mains section of the mine. Moreover, TM-2 will not be replaced with an alternate underground borehole monitoring station.

## Review of Proposed Amendment

The operator is committed to consulting with DOGM to determine whether certain mine inflows will be monitored. It appears that the West Mains section has encountered dispersed ground-water inflows. Accordingly, it would be appropriate for DOGM staff to inspect these inflows to determine whether any of them warrant monitoring.

The loss of TM-2 without replacement of an alternative borehole monitoring station will unduly restrict future assessment of potential dewatering and/or water quality impacts to the Star Point/Blackhawk aquifer system. Review of projected mining sequence maps indicates an appropriate alternative location for the replacement of TM-2 to be in the South Mains following westernmost development of the West Mains (NW 1/4, NE 1/4, Section 35). Mine sequence maps indicate development of the South Mains will be initiated in early 1989 and final retreat will begin in 1997.

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Trail Mountain #9 Mine  
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Recommendations

1. Division staff should inspect West Main inflows prior to action on amendment 88-C.
2. The operator must commit to developing a borehole monitoring station in the South Mains (NW 1/4, NE 1/4, Section 3-5) following completion of West Mains development in early 1989. The proposed borehole monitoring station must be identified and located on Figure 7-9.

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cc: J. Fricke  
BT40/14-15

*Rick to go down mid november  
jm*