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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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September 9, 1988

TO: John Whitehead, Permit Supervisor  
FROM: Jim Fricke, Reclamation Hydrologist *JAF*  
RE: Water Monitoring Amendment, Kaiser Coal Corporation,  
Sunnyside Mine, ACT/007/007-88E, Folder #2, Carbon  
County, Utah

## Synopsis

On August 18, 1988, Kaiser Coal Corporation (KCC) requested to reduce the water monitoring frequency from monthly to quarterly.

## Analysis

Presently, KCC monitors 11 stations monthly; six are perennial streams and five are ephemeral streams (dry most of the year). Monthly data requirements are pH, conductivity, temperature and dissolved oxygen (perennial only). Three springs and two wells must be monitored four times per annum at fixed monthly intervals, and several in-mine monitoring points must be sampled quarterly.

Kaiser Coal Corporation has ceased operations; however, water is still being discharged from the mine. Monthly monitoring is required to assess any potential environmental impacts.

## Recommendation

The Division should not approve the amendment.

djh  
WP+/9