



0050

STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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May 12, 1988

TO: John Whitehead, Permit Supervisor  
FROM: Richard V. Smith, Geologist *RVS*  
RE: Review of 1987 Subsidence Report, Kaiser Coal Corporation, Sunnyside Mines, ACT/007/007, Folder #2, Carbon County, Utah.

### Synopsis

The operator has provided vertical movement data for subsidence monitoring stations S-1, S-2, S-3, S-4 and S-5, located along Bear Canyon. All stations were undermined by late 1986 or early winter 1987. Data indicate total vertical movement from less than one inch to approximately three feet.

The approved subsidence monitoring plan given on pages 32-34 of the PAP describes 12 subsidence monitoring stations being installed at 500 foot intervals along Whitmore Canyon for the 1986 annual survey. These subsidence stations and an additional five stations located along Bear Canyon are shown on Plate III-3 received June 3, 1986. Mining occurred beneath proposed station S-6 and was within 500 feet of proposed station S-7 during August and September 1987. Mining is anticipated to occur within 500 feet of proposed station S-8 by the fourth quarter of 1988.

Data given in the Subsidence Report for 1987 indicate the operator did not install and monitor proposed stations S-6 and S-7 along Bear Canyon or the 12 Stations along Whitmore Canyon

### Recommendation

The Division should initiate enforcement action to assure future subsidence monitoring is conducted in compliance with the approved permit.

RVS/aos

cc: J. Fricke  
9206R/32