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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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July 1, 1988

Mr. Michael Watson
Manager, Technical Services
U. S. Fuel Company
Hiawatha, Utah 84527

Dear Mr. Watson:

Re: Subsidence Monitoring, King Mines, U. S. Fuel Company, Hiawatha Mining Complex, ACT/007/011, Folder #2, Carbon County, Utah

The Division has recently evaluated Hiawatha's subsidence monitoring program in lieu of a decision by the U. S. Forest Service to cancel their photogrametric subsidence monitoring program.

Hiawatha's Mining and Reclamation Plan (MRP) expresses reliance on the Forest Service's monitoring program to supply subsidence data and information for Forest Service and fee properties. In actuality the subsidence monitoring contract established with the U. S. Forest Service was for federal lease areas only. No subsidence monitoring information or data has been submitted to DOGM for fee properties.

To maintain compliance with the regulations governing protection of renewable resources from subsidence, the DOGM must require that U. S. Fuels implement a subsidence monitoring program on their mine permit area that will supply the information and data necessary to detect surface movement on federal and fee properties. Hiawatha will be required to implement a subsidence monitoring program on federal and fee properties to detect vertical and horizontal ground movement which may result from coal extraction and dewatering.

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Michael Watson
Hiawatha Mine
ACT/007/011
July 1, 1988

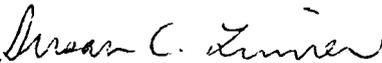
U. S. Fuels should commit to implementing a subsidence monitoring program on fee and federal properties within 15 days of receipt of this letter. DOGM will require that subsidence control stations be placed over fee and federal properties where mining has taken place during the past two years to detect the effects of mining in those areas. Hiawatha will also be required to implement subsidence surveys over and adjacent to those areas that will be mined in the future. DOGM must require that baseline information be obtained for these areas by September 30, 1988.

Hiawatha should submit maps that show areas and sequence of mining during the past two years, areas and sequence of mining for each seam to be mined for the rest of the 5-year permit term and the location of all proposed subsidence control stations. Subsidence monitoring plans should be submitted for DOGM review prior to conducting surveys so that DOGM may review the plans and respond if necessary. This means Hiawatha will have to begin working on the subsidence monitoring program very soon to meet the September 30, 1988 schedule.

We regret that the photogrammetric subsidence monitoring program conducted by the U. S. Forest Service did not establish the planimetric information needed to assess surface configurations at your minesite, although we feel that the concept was good. If you have any questions regarding the U. S. Forest Service's photogrammetric subsidence monitoring program we suggest you contact Carter Reed at the Manti-LaSal National Forest, Price, Utah.

If you have any other questions pertaining to this matter please, feel free to contact David Darby.

Sincerely,


Susan C. Linner
Reclamation Biologist/
Permit Supervisor

as
cc: R. Hagen
L. Kunzler
G. Morris
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