

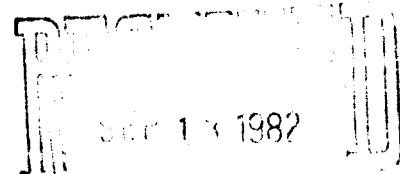
# Gulf Mineral Resources Co.

NEW MEXICO URANIUM OPERATIONS

September 10, 1982

P. O. Box 1150  
Grants, NM 87020

Mr. Samuel N. Simpson  
New Mexico Environmental Improvement Division  
P.O. Box 968  
Santa Fe, NM 87504



Re: Mariano Lake Project Radioactive Materials License,  
NM-GUL-IX-00

RADIATION HEALTH DIVISION

Dear Mr. Simpson:

Gulf Mineral Resources Co., a division of Gulf Oil Corporation (Gulf) has run laboratory analyses on the sediments in the west lagoon at the Mariano Lake Mine. The analyses confirm our mutual thoughts for in place disposal of the west lagoon sediments as discussed with you in our meeting on 8/25/82. A similar approach will be taken for sediments in the east lagoon as soon as it is in a position for proper sampling and analysis. Disposal of the west lagoon will proceed as outlined below:

1. Sedimentary material will be scraped off the poly liner.
2. The poly liner will be removed and buried in trenches as per the closure plan.
3. Sedimentary material will then be spread over the pond bottom and plowed into the subsoil material.
4. Existing areas, if any, which exceed required radioactive limits will be handled separately and disposed of at a mill site by blending with ore or some other method.

Sediments in the east lagoon will follow a similar procedure. It is anticipated that similar results will come from the east lagoon material and that disposal will be the same.

Please note that the attached report of analysis measures gross radium and therefore the various isotopes of radium will be less than the results reported.

Very truly yours,

J.E. Thompson

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attachment

