

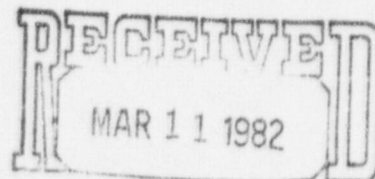


KERR-MCGEE CORPORATION

KERR-MCGEE CENTER • OKLAHOMA CITY, OKLAHOMA 73125

ENGINEERING SERVICES DIVISION

March 9, 1982



RADIATION PROTECTION BUREAU

Mr. S. E. Reynolds, State Engineer  
Technical Bureau  
State of New Mexico  
Natural Resources Department  
Water Resources Division  
Bataan Memorial Building  
Santa Fe, New Mexico 87503

Registered-Return  
Receipt Requested

Re: Tailings Dam in Construction,  
S.E. File 2950

Dear Mr. Reynolds:

Starter dam construction was done along the west side of the tailings pond and additional dam construction continued at the north end in the vicinity of the splitter box.

Most of the spigotting has been done on the south and east sides during the last quarter.

No work was done in the Pond 2 area.

I inspected the tailings pond on March 2nd and 3rd and in conformance with the inspection procedure outlined in NRC Regulation Guide 3.11.1 report as follows:

1. Embankment settlement - None
2. Embankment slope conditions - there has been no change in alignment, no cracks or other evidence of movement.
3. Seepage - drainage is normal with no apparent change since the last quarterly inspection.
4. Slope protection - no erosion or channeling.
5. Emergency discharge - not applicable.
6. Instrumentation - the monthly well readings are attached and show little change, except for erratic results and plugging of some of the 2" wells in crosssection A-A. The problems appeared in wells 1 through 6 following tailings deposition in this area. As soon as access to the area is possible, these will be cleaned out or replaced with new ones.
7. Operation and maintenance - freeboard is about 15 feet and beach width at Section A-A is 1000 feet.
8. Post construction changes - None.

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PDR ADOCK 04008905  
C PDR

The tailings dam was in good condition on the day of inspection and based on available information, it is, in my opinion, safe and is so certified. Established and proven operating procedures and continued surveillance should provide safe operation in the coming quarter.

Very truly

R. B. Patrick

R. B. Patrick  
NMPE 3931



cc: w/encl.

Gerald W. Stewart ✓  
R. Tregembo  
C. Stanley  
J. Cleveland  
J. Marler  
J. Patterson  
File

Enclosures: Ambrosia Lake Tailings Dam SE File 2950-3-82  
Sheet 1. Topographic Map

Ambrosia Lake Tailings Dam SE File 2950-3-82  
Sheet 2. Photobase

Ambrosia Lake Tailings Dam SE File 2950--3-82  
Sheet 3. Well Sections

Grants Tailings Well Fluid Elevations. 6 sheets

Ariel Photograph dated 2/16/82.