

UNITED STATES GOVERNMENT

Memorandum

TO : J. C. Delaney, Chief,
Nuclear Materials Branch,
Division of Licensing and Regulation

DATE: DEC 22 1960

FROM : J. R. Rogers, Asst. Dir. for Nuclear Materials Safety
Division of Licensing and Regulation

SUBJECT: KERR-MCGEE OIL INDUSTRIES, INC.
ROUTE 1, BOX 569, GOLDEN, COLORADO
DOCKET NO. 40-6175
APPLICATION DATED DECEMBER 8, 1960 FOR SOURCE MATERIAL LICENSE.

DLR:CGW

Findings:

The applicant has requested a license to conduct pilot plant studies involving the leaching of approximately 25 tons of uranium ore over a two or three month period. It appears that the applicant does not intend to produce concentrate for commercial purposes.

The application states that operations will be conducted in compliance with Part 20, but does not describe how this will be accomplished. All residues will be contained on the laboratory site and only analytical samples are expected to be transferred from the site.

Conclusions:

The applicant has not submitted sufficient information to determine if there may be potential airborne radiation hazards. It appears that there will be no hazards from external radiation and the discharging of liquid or solid tailings.

Recommendations:

The applicant should be requested to submit additional information concerning the following items:

1. The name of the individual or individuals who will be responsible for radiological safety during pilot plant operation and the qualifications of each individual.

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2. Operations, such as crushing, grinding and ore handling, that will result in the production of airborne radioactivity.
3. Equipment and procedures for dust control and air surveys that will be used to assure that operations will be in compliance with 10 CFR 20, Sections 20.101(b) and 20.103(b).