

DOCKET NO. 40-6175
filed

KERR-McGEE OIL INDUSTRIES, INC.

Route 1, Box 569

5950 McIntyre Road

Golden, Colorado

February 3, 1961

Mr. J. C. Delaney
Chief, Nuclear Materials Branch
Division of Licensing and Regulation
United States Atomic Energy Commission
Washington 25, D.C.

Reference: 40-6175
L & R: JCD



Dear Mr. Delaney:

The following information is forwarded in response to your letter of December 29, 1960.

- 1) Names and technical qualifications of individuals responsible for radiological safety in our laboratories at 5950 McIntyre Road, Golden, Colorado:

Wayne C. Hazen, BS in chemistry, 7 years at Los Alamos Scientific Laboratories in research and development work handling Pu²³⁹, 6 years of uranium milling experience.

John A. Hermann, PhD in chemistry, 10 years Los Alamos with experience in handling Pu²³⁹, Am²⁴¹, La¹⁴⁰, Ra²²⁶, Ba¹⁴⁰.

A. V. Henrickson, MS chemistry, 8 years Los Alamos research and development on Pu²³⁹ and U²³⁵, 6 years process development and milling experience with uranium ores.

Emmerson Kemp, degree in metallurgy, 3 months process development work on uranium ores, training in radiological safety under the supervision of above named persons.

- 2) Description of operations. The ore will be transported, crushed and screened in a wet condition. Crushing and screening will occur no more frequently than 8 hours per week in 5 ton quantities. The moisture content of the ore will have a minimum average of

February 3, 1961

eight percent throughout the testing operations. At this moisture content there is no appreciable dust.

- 3) Equipment and procedures for dust control and air surveys to insure compliance with 10 CFR 20, Sections 20.101 (b) and 20.103 (b) are described as follows:

Because the ore is wet, no dust is generated during the crushing, grinding and screening operations. Whenever ore is being handled, samples of air in the vicinity of the operation will be taken by MSA Fixt-Flo Air Sampler using MSA filter sheets, catalog No. CT 77224, equivalent to Whatman 41. Filter papers will be analyzed for total uranium content. Surveys for external radiation will be made with a Mt. Sopris Model SC 129 survey meter.

Very truly yours,

Wayne C. Hazen
Wayne C. Hazen, Director
Metallurgical Laboratory

WCH:js

cc: Mr. Emmerson Kemp
Mr. John Potter