

UNITED STATES GOVERNMENT

# Memorandum

TO : Lyall Johnson, Acting Director  
Division of Materials Licensing

DATE: NOV 16 1964

FROM : Donald A. Nussbaumer, Chief, Source & Special Nuclear  
Materials Branch, Division of Materials Licensing

SUBJECT: TRANSFER OF URANIUM PILOT PLANT, KERR-McGEE OIL INDUSTRIES, INC.  
GOLDEN, COLORADO - DOCKET NO. 40-6175

DML:DFH

By letter dated February 12, 1964, the subject licensee informed us that operations at his Golden, Colorado pilot plant (uranium ore processing) were to be discontinued and that he did not desire his source material license renewed (expiration date of March 31, 1964). By letter dated March 10, 1964, we informed the licensee of conditions, including contamination limits, which must be met prior to the transfer of his facility to individuals who do not possess an appropriate AEC source material license.

By letter dated June 3, 1964, the licensee informed us of contamination levels at his facility, including survey procedures and equipment. On July 13, 15 and 24, 1964, these results were checked by personnel of Region IV, Division of Compliance. As a result of the close out inspection, it was found that all mill areas met our contamination levels except that a concrete floor of one room showed fixed alpha and external radiation levels in excess of our limits. By letter dated July 27, 1964, the licensee informed us that since all attempts to decontaminate the aforementioned floor had failed, a 3 to 4 inch concrete covering had been poured over the original covering. Following this action, the levels of contamination were well within our limits. This was also confirmed by personnel of Region IV.

Sample analyses of stored tailings (approximately 350 tons) indicated that the source material content of the tailings is less than 0.05 percent.

In view of the foregoing, it is recommended that we inform the licensee that his Golden facility may be transferred to individuals who do not possess an AEC license. This licensee has met the conditions specified in Mr. Lowenstein's letter of March 27, 1964, to Kermac Nuclear Fuels for transfer of their Gunnison facility to a person not possessing an AEC license. The same procedure was followed with respect to the Kerr-McGee mill at Lakeview, Oregon, whereby we approved the transfer of their facility. However, a license was required for certain equipment at the site contaminated in excess of our limits.



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