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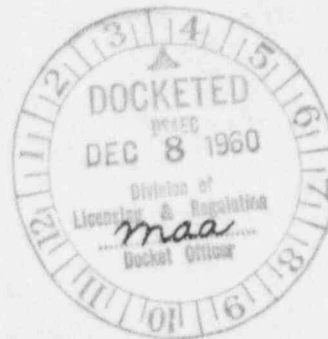
URANIUM REDUCTION COMPANY

Box 488 — Moab, Utah

R. F. HOLLIS
General Manager

December 2, 1960

Mr. H. L. Price, Director
Division of Licensing and Regulation
United States Atomic Energy Commission
Washington 25, D.C.



Dear Mr. Price:

The following letter is intended as an application for an amendment to Uranium Reduction Company's license as governed by the provisions of Title 10, Part 20, Section 20.202, paragraph (a), subparagraph (1), of the Federal Register, dated September 7, 1960.

According to this new regulation it will be required, effective January 1, 1961, to monitor personnel at 25 per cent of the external radiation limits. As you know, the new level above which personnel must be monitored will become 24 mr per week as compared to 75 mr per week, which is the current monitoring level.

On the basis of a 13 week external radiation survey of all employees made by Uranium Reduction Company, no employee was exposed to an average radiation level above 50 mr per week. These data were corroborated by the film badge survey made by the Inspection Division of the U. S. Atomic Energy Commission from the Idaho Falls Operations Office. However, about 40 employees, or 20 per cent of the total employed, fell in the range of 25 to 50 mr per week.

The following program is submitted as the proposed amendment to the license. It is felt to be adequate to protect our employees from the relatively small radiation hazard presented by a uranium mill.

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- I. From the data obtained as a result of the film badge survey mentioned above, mean levels of exposure for each job classification have been established. These levels will remain the same as determined unless a process change is inaugurated or the duties of the particular job are significantly changed. In cases where new job classifications are created or significant changes are made in an existing job classification, the individuals on these jobs will be film badged for a suitable period and a new mean level of exposure established.
- II. The Metallurgical Department will make an extensive external radiation survey each calendar quarter. These surveys will be made by means of a Model 111B Scintillator, AEC No. SBX - 11A. The results of the scintillator survey will be compared with the mean levels of exposure for each job classification as determined by the film badge survey. All individuals whose exposure, as determined by the scintillator survey, indicate significantly higher levels than those determined by the film badge survey will be further investigated.
- III. Personnel whose exposure level is indicated to be 75 per cent or more of the maximum allowable exposure will be monitored continuously by means of film badges provided by Tracerlab, Inc., or some other acceptable film badge supply company. Personnel whose exposure is in excess of 96 mr per week will be removed from their jobs and transferred to another location. Such transfers will continue on a rotating schedule to insure that no employee receives a dosage in excess of the maximum allowable exposure for one calendar quarter.
- IV. Annual reports to employees, reports to employees upon termination of employment, and reports to the Atomic Energy Commission and to the individual involved in the event of an exposure in excess of any limit in the regulations will be made as prescribed in the applicable section of the regulations. In

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accordance with Section 20.206 a copy of the regulations and of any operating procedures incorporated as a condition to our license will be kept available for examination upon request. Employees will be informed, by means of conspicuously placed posters, of the requirements of 10 CFR20, their right to request information concerning their exposure to radiation, and similar matters.

It is requested that the foregoing program be incorporated as a condition to our license.

In order that we know how to proceed with this matter, and to avoid any unnecessary expense and delay, it is respectfully urged that you give us your decision prior to January 1, 1961.

Very truly yours,

ORIGINAL SIGNED BY R. F. HOLLIS

R. F. Hollis
Vice President & General Manager

RFH:pr