



UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE, REGION IV
10395 WEST COLFAX, ROOM 200
DENVER, COLORADO 80215

April 27, 1971

File

THRU: Glen D. Brown, Senior Radiation Specialist, CO:IV

DEPARTMENT OF THE ARMY, FITZSIMONS GENERAL HOSPITAL AND
U. S. ARMY MEDICAL RESEARCH AND NUTRITION LABORATORY,
DENVER, COLORADO -- LICENSE NO. 05-00046-13
HEALTH AND SAFETY EVALUATION - INSPECTION CONDUCTED
NOVEMBER 4, 1970, JANUARY 22, AND APRIL 7, 1971

The licensee uses byproduct material for diagnostic and therapeutic procedures in the Radioisotope Clinic related to Fitzsimons General Hospital, and uses relatively small quantities of select isotopes for the conduct of research at the U. S. Army Medical Research and Nutrition Laboratory, located on the Hospital grounds. Four items of noncompliance were apparent during the conduct of the inspection. Two of these, involving overpossession of authorized quantities, were noted by the licensee prior to the conduct of the inspection, and were corrected by appropriate amendment. The overpossession of the ^{90}Sr eye applicator presented no doses to patients in excess of that planned since the applicator was calibrated for roentgen-equivalent-betas per second. No health and safety significance was attached to these two items by the inspector. The remaining two items of noncompliance, involving a leak testing deficiency and the failure to maintain records of solid waste disposed from the Radioisotope Clinic, were similarly appraised as having negligible safety significance.

Film badge records established that employees' exposures to whole-body radiation was measurably below 25% of 10 CFR 20.101(a) limits. Usage of byproduct material in aqueous or solid states, and procedures which define that research program materials are used in hoods, negate any measurable potential for experiencing airborne concentrations contributing to inhalation exposure. Contamination surveys, as performed and documented, indicate adequate procedural control and results of these show no occasion where loss of control was apparent. It is the opinion of the inspector that the programs conducted at this facility are performed in accord with established health and safety criteria and in a manner such that there is no threat to the health and safety of man or environment.

It is recommended that the next inspection of this license be conducted in accordance with the normal inspection schedule.

Original Signed By
Herman J. Paas

Herman J. Paas, Jr.
Radiation Specialist

cc: Gen W. Roy, CO ✓
- A. Giambusso, CO
- L. Kornblith, CO
- R. H. Engelken, CO

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