

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
611 PARK AVENUE  
KING OF PRUSSIA, PENNSYLVANIA 19406

JAN 31 1975

H. D. Thornburg, Chief, Field Inspection and Enforcement Branch, HQ

ISOMEDIX  
25 EASTMAN'S ROAD  
PARSIPPANY, NEW JERSEY  
LICENSE NO. 29-15364-01

Reference: FS&EB Memo dated December 24, 1974

As requested, an inspection of the pool irradiator described in the licensee's application dated August 8, 1974 and letters dated November 15 and December 6, 1974 was performed on January 21, 1975.

The operation of all safety system interlocks, intended surveys and routine safety system checks were reviewed and verified. In addition, the licensee has completed revised monthly and weekly safety and maintenance checks, cell entry log, and operation procedure. The changes were clarifications and expansions of the previously submitted documents. A review of these changes revealed that the new procedures would result in even stronger controls. During the inspection, a discussion concerning maintenance of the control panel resulted in the licensee proposing the use of a maintenance log and a complete check of the safety system following any maintenance or repairs. All the revisions and new procedures were submitted to the Directorate of Licensing in a letter dated January 21, 1975.

The radiation monitor inside the shielded room has been calibrated and was in operation on the day of the inspection. Its operation as related to the safety system was demonstrated and confirmed. The monitor is presently located in the first corner of the entry maze in a semi-permanent condition. It will be checked out under actual irradiation conditions and repositioned, if necessary, to the most desirable location for effective operation.

Our inspection revealed that the equipment and operation of the pool irradiator is as described in the licensee's application dated August 8, 1974 and letters dated November 15, 1974 and December 6, 1974. The licensing of this operation will pose no threat to health and safety.

cc: Ferd Dreher

*fn* *J P Stohr*  
Paul R. Nelson, Chief  
Radiological and Environmental  
Protection Branch

