LRL:FWK
Docket No. 50-142

SEP 9 1960

College of Engineering
University of California
Los Angeles 24, California

Attention: Dr. L. M. K. Boelter
Dean

Gentlemen:

The attached Notice of Proposed Issuance of Facility License is being submitted to the Office of the Federal Register for filing and publication.

Also attached is a hazards analysis by the Hazards Evaluation Branch of the Division of Licensing and Regulation.

Although the reactor is designed for operation at a power level of 10 kilowatts (thermal), the proposed license would authorize operation of the reactor at power levels only up to 10 watts (thermal). Before this limitation can be removed, it will be necessary that you submit for Commission consideration the additional data required to complete the application for a license authorizing operation of the reactor at its designed power level.

Attached is a list of questions upon features of the project as to which additional information is required.

Please submit your reply as an amendment to your application dated June 24, 1959. An original and two copies, signed under oath or affirmation, and nineteen additional copies should be furnished.

DISTRIBUTION
R. Lowenstein, OGC
E. E. Hall, RD
D. C. Clark, IS
P. A. Morris, Compl. -2
C. G. Manly, RD
W. Steele, L&R

Sincerely yours,

Eber R. Price
Acting Director
Division of Licensing and Regulation

Doc. Rm.
Formal
Suppl.
LB & L&R readings
FWKaras

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PDR FOIA
POLLOCK81-339 PDR

Enclosures:
1. Notice to Office of the Federal Register
2. Hazards Analysis
3. List of Questions

OFFICE ▶	LRL	LRL	LRL	L&R	HEB	OGC
SURNAME ▶	FWKaras:NJ	CEdwards	LJohnson	Director		
DATE ▶	AIR MAIL 9/9/60	9/8/60	9/9	9/9/60		9/8/60

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UNIVERSITY OF CALIFORNIA

DOCKET NO. 50-142

ADDITIONAL INFORMATION REQUIRED

1. A thorough analysis of the method of handling radioactive gaseous effluent should be prepared, taking into account the following important aspects of the problem:

   a. A more detailed calculation of the amount and distribution of argon-41 expected to be produced in the reactor should be provided. The type of monitoring and warning system which will be installed in the vicinity of the reactor shield to insure that concentrations of argon-41 are within the limits specified by AEC Regulation 10 CFR Part 20 for restricted areas (limit = 1.6×10^{-6} uc/ml) should be described.

   b. Detailed procedures for safely releasing the argon-41 from the reactor should be outlined. The expected route by which the activity will pass from the reactor to the exhaust duct should be clearly specified. Details as to the quantity of activity expected, method of controlling release, points of release, and concentrations at all points of release should be supplied.

   c. Fully describe the type of monitoring and warning system which will be installed in the exhaust duct to insure that any release to the atmosphere is within the limits specified by AEC Regulation 10 CFR Part 20 for unrestricted areas (limit = 5×10^{-8} uc/ml).

2. There are essentially no procedures described in the application for conducting experiments. It will be necessary to list the specific experiments to be performed, general procedures for their conduct, amount of student participation, and any further information regarding the safety of the proposed experimental program.

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SURNAME ▶						
DATE ▶						