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FROM: PENNSYLVANIA STATE UNIV. R. P. Ehrhorn	DATE OF DOCUMENT: 9-28-64	DATE RECEIVED 10-14-64	NO.: 4092
	LTR. x	MEMO:	REPORT:	OTHER:
TO: Boyd	ORIG.: x (5)	CC:	OTHER: 12 cys verified
	ACTION NECESSARY ☒ / NO ACTION NECESSARY ☐	CONCURRENCE ☐ / COMMENT ☐	DATE ANSWERED: / BY:
CLASSIF.: U	POST OFFICE / REG. NO.	FILE CODE: Docket 50-174	

DESCRIPTION: (Must Be Unclassified)

ltr. advising that it is desired to raise the irradiated fuel elements presently stored at their lab toward the surface of the pool and measure the radiation levels produced....; and submitting

ENCLOSURES:

the following in compliance with Section 4N of Lic R-72:

Operating Procedure No. 201--"Examination of Irradiated Reactor Fuel." (5 also)

REFERRED TO	DATE	RECEIVED BY	DATE
Boyd:	10-15		
w/file cy & file--FOR ACTION 11 extras			
Dr. Doan (w/info cy)			
		4852	

REMARKS:

Distribution: 1 - ADC FTR
2 - Compliance
1 - H. Steele

U. S. ATOMIC ENERGY COMMISSION **MAIL CONTROL FORM** FORM AEC-326S (8-60)

B/26

THE PENNSYLVANIA STATE UNIVERSITY
207 OLD MAIN BUILDING
UNIVERSITY PARK, PENNSYLVANIA, 16802

Vice President for Research

Area Code 814
865-6332

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September 28, 1964

U. S. Atomic Energy Commission
Washington 25, D. C.

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U. S. ATOMIC ENERGY COMM.
REGULATORY
MAIL SECTION

Attention: Roger S. Boyd, Chief
Research and Power Reactor Branch
Division of Reactor Licensing

File Copy

Reference: Docket No. 50-174
Facility License No. R-72 (as amended)

Gentlemen:

In order to properly evaluate any hazards that could develop from the irradiated fuel elements presently stored at the University's Curtiss-Wright Nuclear Research Laboratory, it is desired to raise them toward the surface of the pool (and perhaps out of it) and measure the radiation levels produced. At the same time the elements would be examined as closely as possible for any evidence of corrosion.

In compliance with Section 4B of License R-72, a general procedure governing this operation is attached. It should be noted that these procedures require the supervision of fuel handling operations by authorized members of the University staff. The individuals so authorized would be either:

Dr. F. J. Remick, Director, PSU Nuclear Reactor Facility

Mr. G. C. Geisler, Chief Resident Engineer, Curtiss-Wright Nuclear Research Laboratory

Mr. Geisler, who has recently joined the University, was responsible for the startup and initial operation of the Curtiss-Wright Reactor.

Sincerely yours,

E. F. Osborn
Vice President for Research

GCG/EFO/mb
Encl: Oper. Proc.

ACKNOWLEDGED
4892

Title Examination of Irradiated Reactor Fuel

Reactor fuel elements may be moved from their normal storage position for corrosion examination or activity level measurement by observing the restrictions given below.

1. The complete operation will be directly supervised by an authorized member of the University staff. Evidence of this authorization is possession of the key for unlocking the storage racks.
2. The operation will be performed by a crew of at least four; a crane operator, a fuel handler, the supervisor, and a radiation level surveyor.
3. No more than one element will be removed at a time. Only one storage rack will be unlocked at a time.
4. During any operation in which a fuel element approaches the surface of the water, radiation levels will be monitored continuously using a portable ionization chamber type instrument. Operations will be planned so that radiation levels to which personnel are exposed are attenuated to acceptable levels, either by water shielding or distance.
5. After the fuel element to be examined has been engaged by the handling tool, it will be suspended from the crane by a line passed over the crane hook. The crane will be positioned so that the fuel element can be raised to the desired height by taking up on the line without the necessity of actually raising the crane hook. This reduces the possibility of inadvertently removing the element from the pool due to a crane malfunction.
6. All details of the operation will be recorded in the facility log book.

Prepared by _____ Approved by _____ Date _____

To

Roger S. Boyd, Chief
Research and Power Reactor Branch
Division of Reactor Licensing
U. S. Atomic Energy Commission
Washington 25, D. C.

Vice President for Research

THE PENNSYLVANIA STATE UNIVERSITY
University Park - Pennsylvania