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Pacific Northwest Laboratory
Operated for the U.S. Department of Energy
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STATUS OF IRRADIATIONS PERFORMED BY TESTING AND IRRADIATION SERVICES FOR BNW

AS OF APRIL 13, 1969

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THIS MATERIAL CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U.S.C., SECS. 793 AND 794, THE TRANSMISSION OR REVELATION OF WHICH IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

AUTHOR

L. V. Barker

MAY 5 1989

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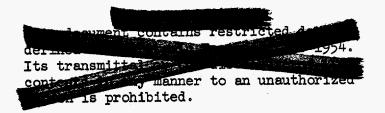
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## STATUS OF IRRADIATIONS PERFORMED BY TESTING AND IRRADIATION SERVICES FOR BNW AS OF APRIL 13, 1969

L. V. Barker

April 28, 1969

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This report itemizes the irradiations performed by Testing and Irradiation Services for Battelle-Northwest. It lists the material being irradiated, awaiting disposition and material shipped during the report period. An explanation of the various columns in the report follows:

#### Identification

- a. TISR No. This is the official number assigned by Testing and Irradiation Services to an experiment for purposes of identification.
- b. Request Number Customer experiment identification number, if any.
- c. <u>Material</u> The principle target material, if known, abbreviated or its chemical symbol in capital letters.
- d. Piece Number Individual sample or assembly identification.

Operating Time (Days) - The number of full-power operating days the sample has been exposed.

CMK Absorbed - The total cmk absorbed by the sample. Does not include the facility.

Charge Date - Date and time sample charged into reactor or date and time reactor reached one-half equilibrium level if sample was charged during a reactor outage.

#### Location

- a. Facility Test facility or process tube and reactor containing the experiment.
- b. Test Hole Position Sample position in-reactor relative to a process tube.
- c. <u>Position Factor</u> Location of sample in relation to front-to-rear cosine flux distribution. (This factor only applies to front-to-rear irradiations.)

NOTE: The actual shape may deviate from a cosine curve due to local perturbations. The actual shape will be provided upon request.

Exposure to Date - NVT - The total thermal neutron exposure per square centimeter received to date. This number is calculated from facility unperturbed flux and reactor operating time.

<u>Discharge</u>, <u>Date and Time</u> - Date and time samples were removed from the active portion of the reactor or date and time reactor was down to one-half equilibrium level if sample was discharged during a reactor outage.

Shipping Date - Date samples were shipped to the customer or otherwise disposed of.

Supervisor

Irradiation Testing

LV Barker/k

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BM-53,0-	163 (7-66)					•					<u> </u>	PA	GENO. 3	
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177	í .	GRAPF	ACJ4	479.5716	1	02-12-68					3.2*21			
177		GRAPE	8016	146,5314		09-13-68					9.9.20		}	
177	)	GRAPH	BOJ7	146.5314		09-13-68	1100	BTH ∞C	0-2077		9.9*20			:
177		GRAPH	B0 J8	146.5314		09-13-68	1100	BTH -C	0-2071	1.000	9.9.20			
177		GRAPH	BOK6	146,5314		09-13-68	1100	BTH -FC	0-2080	1,000	9.9 - 20			
177		GRAPH	0012	316,6357		02-12-68		BTH C	0-2059	1.000	2.1.21			
177		GRAPH	00K9	316.6357		02-12-68		BTH -C			2 . 1 * 21			
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177		GRAPH	A0D2	445,5269		09-22-67		3ATH-KE			4.0 * 21			
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177	44	GRAPH	00-6			01-25-69		ABTH-KE	0-4366	1	1			
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177		GRAPH	0143			01-25-69		4BTH-KE			6,1-20			
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259	)	HASTLY	/ 0A-H	1136,6463		12-25-64			0-2175	1.000	4.4.21			ECLASS
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