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TITLE

STATUS OF IRRADIATIONS PERFORMED BY
TESTING AND IRRADIATION SERVICES FOR BNW
AS OF JULY 14, 1968

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AUTHOR

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C R Harkin

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STATUS OF IRRADIATIONS PERFORMED BY
TESTING AND IRRADIATION SERVICES FOR BNW
AS OF JULY 14, 1968

L. V. Barker

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By Authority of RM-Dten
CG-NMP-1, 8-3-94
By J E Savelly 9-20-94
Verified By Gerri Maly, 9-21-94.

MASTER

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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. Material - 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. Position Factor - 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.

Discharge, Date and Time - 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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IDENTIFICATION				OPERATING TIME (DAYS)	CMK ABSORBED	CHARGE		LOCATION			EXPOSURE TO DATE NVT	DISCHARGE		SHIPPING DATE
TISR NO.	REQUEST NUMBER	MATERIAL	PIECE NO.			DATE	TIME	FACILITY	TEST HOLE POSITION	POSITION FACTOR		DATE	TIME	
THE FOLLOWING IRRADIATIONS ARE IN PROGRESS:														
177		GRAPH	A0J1	340.2047		02-12-68	2150	BTH -C	0-2080	1.000	2,3+21			
177		GRAPH	A0J3	291.4325		02-12-68	2150	BTH -C	0-2068	1.000	2,0+21			
177		GRAPH	A0J4	291.4325		02-12-68	2150	BTH -C	0-2065	1.000	2,0+21			
177		GRAPH	A0K2	291.4325		02-12-68	2150	BTH -C	0-2074	1.000	2,0+21			
177		GRAPH	A0K3	291.4325		02-12-68	2150	BTH -C	0-2071	1.000	2,0+21			
177		GRAPH	A0K5	340.2047		02-12-68	2150	BTH -C	0-2077	1.000	2,3+21			
177		GRAPH	00J2	128.4966		02-12-68	2150	BTH -C	0-2059	1.000	8,7+20			
177		GRAPH	00K6	128.4966		02-12-68	2150	BTH -C	0-2083	1.000	8,7+20			
177		GRAPH	00K9	128.4966		02-12-68	2150	BTH -C	0-2062	1.000	8,7+20			
177		GRAPH	A0A6	239.7374		09-22-67	0608	3ATH-KE	0-2984	1.000	2,2+21			
177		GRAPH	A0D2	239.7374		09-22-67	0608	3ATH-KE	0-2977	1.000	2,2+21			
177		GRAPH	A0D3	239.7374		09-22-67	0608	3ATH-KE	0-2981	1.000	2,2+21			
222		U	P-19	16.0833		05-18-68	0345	3674-KW		1.000	2,4+20			
222		U	P-20	16.0833		05-18-68	0345	3674-KW		1.000	2,4+20			
222		U	P-12	52.9638		04-01-68	0630	3865-KW		1.000	8,5+20			
222		U	P-13	52.9638		04-01-68	0630	3865-KW		1.000	8,5+20			
222		U	P-17	52.9638		04-01-68	0630	3865-KW		1.000	8,5+20			
236		STEEL	4-14	835.5536		02-28-65	1432	2CTH-KW		1.000	1,1+22			
236		ZR-NB	1V29	52.9638		04-01-68	0630	3ATH-KW		1.000	4,9+20			
236		ZR	4-28	270.4326		08-13-67	0615	3ATH-KE		1.000	2,5+21			
236		ZR-NB	1V31	52.9638		04-01-68	0630	3BTH-KW		1.000	6,7+20			
236		SS	1V36	5785		06-11-68	1400	3CTH-KW		1.000	7,3+18			
236		ZIRC	4-30	121.7179		01-14-68	2019	3CTH-KW		1.000	1,5+21			
236		ZIRC	4-25	121.7179		01-14-68	2019	3DTH-KW		1.000	1,1+21			
259		HASTLY	0A-G	948.5072		12-25-64	2255	ETH -C	0-2177	1.000	3,7+21			
259		HASTLY	0A-H	948.5072		12-25-64	2255	ETH -C	0-2175	1.000	3,7+21			
259		HAST	01-3	128.4971		02-12-68	2150	ETH -C		1.000	5,0+20			
307		FLXMON	0001	991.5536		10-20-64	0526	3BTH-KW		1.000	1,3+22			
372		S-CON	0S-3	330.0071		06-09-67	0038	3CTH-KE		1.000	4,2+21			
376		VRS	0001	239.1374		09-22-67	0608	2DTH-KE	6-2273	1.000	2,2+21			
376		VRS	0002	239.1374		09-22-67	0608	2DTH-KE	6-2272	1.000	2,2+21			
376		VRS	0003	239.1374		09-22-67	0608	2DTH-KE	6-2271	1.000	2,2+21			
376		VRS	0004	239.1374		09-22-67	0608	2DTH-KE	6-2270	1.000	2,2+21			
376		VRS	0005	239.1374		09-22-67	0608	2DTH-KE	6-2269	1.000	2,2+21			
376		VRS	0006	239.1374		09-22-67	0608	2DTH-KE	6-2268	1.000	2,2+21			
376		VRS	0007	239.1374		09-22-67	0608	2DTH-KE	6-2267	1.000	2,2+21			
376		VRS	0008	239.1374		09-22-67	0608	2DTH-KE	6-2266	1.000	2,2+21			
376		VRS	0009	239.1374		09-22-67	0608	2DTH-KE	6-2265	1.000	2,2+21			

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BM-5300-163 (7-66)

IDENTIFICATION				OPERATING TIME (DAYS)	C M K ABSORBED	CHARGE		LOCATION			EXPOSURE TO DATE NVT	DISCHARGE		SHIPPING DATE
TIR NO.	REQUEST NUMBER	MATERIAL	PIECE NO.			DATE	TIME	FACILITY	TEST HOLE POSITION	POSITION FACTOR		DATE	TIME	
THE FOLLOWING IRRADIATIONS ARE IN PROGRESS.														
376		VRS	0010	239,1374		09-22-67	0608	2DTH-KE	6-2264	1,000	2,2+21			
376		VRS	0011	239,1374		09-22-67	0608	2DTH-KE	6-2263	1,000	2,2+21			
376		VRS	0012	239,1374		09-22-67	0608	2DTH-KE	6-2262	1,000	2,2+21			
376		VRS	0013	239,1374		09-22-67	0608	2DTH-KE	6-2261	1,000	2,2+21			
376		VRS	0014	239,1374		09-22-67	0608	2DTH-KE	6-2260	1,000	2,2+21			
376		VRS	0015	239,1374		09-22-67	0608	2DTH-KE	6-2259	1,000	2,2+21			
376		VRS	0016	239,1374		09-22-67	0608	2DTH-KE	6-2258	1,000	2,2+21			

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IDENTIFICATION				OPERATING TIME (DAYS)	C M K ABSORBED	CHARGE		LOCATION			EXPOSURE TO DATE NVT	DISCHARGE		SHIPPING DATE	
TISR NO.	REQUEST NUMBER	MATERIAL	PIECE NO.			DATE	TIME	FACILITY	TEST HOLE POSITION	POSITION FACTOR		DATE	TIME		
THE FOLLOWING IRRADIATIONS WERE SHIPPED DURING THE MONTH															
172		NA	1508	0208			06-24-68	0924	ATH -C		1,000	3,2+16	06-24-68	1059	06-30-68
172		NA	1509	0208			06-24-68	0924	ATH -C		1,000	3,2+16	06-24-68	1059	06-30-68
172		NA	1510	0208			06-24-68	0924	ATH -C		1,000	3,2+16	06-24-68	1059	06-30-68
184		PLA	C23	0007			06-22-68	1055	ATH -C		1,000	1,1+15	06-22-68	1056	06-23-68
184		PLA	C25	0007			07-03-68	1116	ATH -C		1,000	1,1+15	07-03-68	1117	07-05-68
184		PLA	C26	0007			07-03-68	1116	ATH -C		1,000	1,1+15	07-03-68	1117	07-05-68
184		VRS	2783	7,7500			12-22-67	1030	2ATH-KW		1,000	1,3+19	12-30-67	0430	06-30-68
184		VRS	2784	7,7500			12-22-67	1030	2ATH-KW		1,000	5,2+18	12-30-67	0430	06-30-68
184		VRS	3064	8681			06-16-68	1000	2DTH-KE		1,000	8,1+18	06-17-68	0650	06-17-68
184		VRS	3065	8681			06-16-68	1000	2DTH-KE		1,000	8,1+18	06-17-68	0650	06-17-68
184		VRS	3066	8715			06-17-68	0955	2DTH-KE		1,000	8,1+18	06-18-68	0650	06-18-68
184		VRS	3067	8715			06-17-68	0955	2DTH-KE		1,000	8,1+18	06-18-68	0650	06-18-68
184		VRS	3068	7569			06-18-68	0850	2DTH-KE		1,000	5,1+17	06-19-68	0300	06-19-68
184		VRS	3069	8646			06-19-68	1000	2DTH-KE		1,000	8,0+18	06-20-68	0645	06-20-68
184		VRS	3070	8646			06-19-68	1000	2DTH-KE		1,000	8,0+18	06-20-68	0645	06-20-68
184		VRS	3071	8437			06-23-68	1030	2DTH-KE		1,000	7,9+18	06-24-68	0645	06-24-68
184		VRS	3072	8437			06-23-68	1030	2DTH-KE		1,000	7,9+18	06-24-68	0645	06-24-68
184		VRS	3073	8403			06-24-68	1035	2DTH-KE		1,000	5,7+17	06-25-68	0645	06-25-68
184		VRS	3074	8299			06-25-68	1050	2DTH-KE		1,000	7,7+18	06-26-68	0645	06-26-68
184		VRS	3075	8299			06-25-68	1050	2DTH-KE		1,000	7,7+18	06-26-68	0645	06-26-68
184		VRS	3076	9167			06-30-68	0845	2DTH-KE		1,000	8,5+18	07-01-68	0645	07-01-68
184		VRS	3077	9167			06-30-68	0845	2DTH-KE		1,000	8,5+18	07-01-68	0645	07-01-68
184		VRS	3078	8229			07-01-68	1050	2DTH-KE		1,000	7,7+18	07-02-68	0645	07-02-68
184		VRS	3079	8229			07-01-68	1050	2DTH-KE		1,000	7,7+18	07-02-68	0645	07-02-68
184		VRS	3080	8472			07-02-68	1025	2DTH-KE		1,000	7,9+18	07-03-68	0645	07-03-68
184		VRS	3081	8472			07-02-68	1025	2DTH-KE		1,000	7,9+18	07-03-68	0645	07-03-68
184		VRS	3082	8889			07-07-68	0925	2DTH-KE		1,000	8,3+18	07-08-68	0645	07-08-68
184		VRS	3083	8889			07-07-68	0925	2DTH-KE		1,000	8,3+18	07-08-68	0645	07-08-68
184		VRS	3084	8646			07-08-68	1000	2DTH-KE		1,000	8,0+18	07-09-68	0645	07-09-68
184		VRS	3085	8646			07-08-68	1000	2DTH-KE		1,000	8,0+18	07-09-68	0645	07-09-68
184		VRS	3086	8368			07-09-68	1040	2DTH-KE		1,000	7,8+18	07-10-68	0645	07-10-68
184		VRS	3087	8368			07-09-68	1040	2DTH-KE		1,000	7,8+18	07-10-68	0645	07-10-68
184		VRS	3088	8368			07-10-68	1040	2DTH-KE		1,000	7,8+18	07-11-68	0645	07-11-68
184		VRS	3089	8368			07-10-68	1040	2DTH-KE		1,000	7,8+18	07-11-68	0645	07-11-68
222		UO	P-11	136, 6591			09-16-67	1356	3674-KW		1,000	2,2+21	02-25-68	0209	06-30-68
222		U	P-16	145, 9636			02-08-67	0745	3674-KW		1,000	2,3+21	08-08-67	0745	06-30-68
222		U	P-14	93, 8213			05-27-67	1452	3865-KW		1,000	1,5+21	09-13-67	2312	06-30-68
222		U	P-18	76, 2542			10-09-67	0335	3865-KW		1,000	1,3+21	12-30-67	0000	06-30-68

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IDENTIFICATION				OPERATING TIME (DAYS)	CMK ABSORBED	CHARGE		LOCATION			EXPOSURE TO DATE NVT	DISCHARGE		SHIPPING DATE	
TISR NO.	REQUEST NUMBER	MATERIAL	PIECE NO.			DATE	TIME	FACILITY	TEST HOLE POSITION	POSITION FACTOR		DATE	TIME		
THE FOLLOWING IRRADIATIONS WERE SHIPPED DURING THE MONTH															
243		NOLY	0162	79,7811			10-20-67	0930	4CTH-KW		1.000	05-10-68	1400	06-30-68	
271		VRS	0087	119,9378			01-08-68	0142	2DTH-KF		1.000	05-25-68	0320	06-20-68	
271		DEP-U	0096	2,8125			06-20-68	1320	2DTH-KF		1.000	06-23-68	0830	06-24-68	
271		RD	0097	23,8021			06-20-68	1300	2DTH-KF		1.000	07-14-68	0815	07-16-68	
271		DEP-U	0098	2,7778			07-11-68	1335	2DTH-KF		1.000	07-14-68	0815	07-16-68	
382		UO-NA	0001	.4271			06-25-68	0925	ATH-C		1.000	06-25-68	1940	06-30-68	
382		UO-NA	0002	.4167			06-21-68	1300	ATH-C		1.000	06-21-68	2300	06-25-68	
382		UO-NA	0003	.4167			06-27-68	0920	ATH-C		1.000	06-27-68	1920	07-03-68	

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