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**Prepared for the U.S. Department of Energy
under Contract DE-AC06-76RLO 1830**

**Pacific Northwest Laboratory
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STATUS OF IRRADIATIONS PERFORMED BY
TESTING FOR BNW AS OF MAY 14, 1967

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STATUS OF IRRADIATIONS PERFORMED BY
TESTING FOR BNW AS OF MAY 14, 1967

A. E. DeMers

MASTER

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By Authority of RM Oten
CG-NMP-1, 8-3-94

By Q E Samsky 9-20-94
Verified By Julie Mally, 9-21-94

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This report itemizes the irradiations performed by Testing 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 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 of 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 flux 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.

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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.

G. S. McMen
Acting Supervisor
Irradiation Testing

AE DeMers/kh

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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	A0J5	108.4984		01-06-67	2145	BTH -C	0-2074	1.000	7.3+20			
177		GRAPH	A0J7	108.4984		01-06-67	2145	BTH -C	0-2077	1.000	7.3+20			
177		GRAPH	A0J8	108.4984		01-06-67	2145	BTH -C	0-2065	1.000	7.3+20			
177		GRAPH	A0K7	108.4984		01-06-67	2145	BTH -C	0-2080	1.000	7.3+20			
177		GRAPH	A0K8	108.4984		01-06-67	2145	BTH -C	0-2083	1.000	7.3+20			
177		GRAPH	00J1	14.8389		04-30-67	0352	BTH -C	0-2062	1.000	1.0+20			
177		GRAPH	00J6	14.8389		04-30-67	0352	BTH -C	0-2071	1.000	1.0+20			
177		GRAPH	00K5	14.8389		04-30-67	0352	BTH -C	0-2059	1.000	1.0+20			
177		GRAPH	00K6	14.8389		04-30-67	0352	BTH -C	0-2068	1.000	1.0+20			
177		GRAPH	ANCH	259.5500		05-06-66	1410	4BTH-KE	0-4382	1.000	3.3+21			
177		GRAPH	0006	259.5500		05-06-66	1410	4BTH-KE	0-4367	1.000	3.3+21			
177		GRAPH	0140	259.5500		05-06-66	1410	4BTH-KE	0-4379	1.000	3.3+21			
177		GRAPH	0143	259.5500		05-06-66	1410	4BTH-KE	0-4376	1.000	3.3+21			
177		GRAPH	0188	259.5500		05-06-66	1410	4BTH-KE	0-4364	1.000	3.3+21			
177		GRAPH	0189	259.5500		05-06-66	1410	4BTH-KE	0-4361	1.000	3.3+21			
177		GRAPH	0190	259.5500		05-06-66	1410	4BTH-KE	0-4373	1.000	3.3+21			
177		GRAPH	0191	259.5500		05-06-66	1410	4BTH-KE	0-4370	1.000	3.3+21			
177		GRAPH	0192	259.5500		05-06-66	1410	4BTH-KE	0-4358	1.000	3.3+21			
177		GRAPH	0193	259.5500		05-06-66	1410	4BTH-KE	0-4355	1.000	3.3+21			
222		U	P-10	14.6859		04-22-67	1332	3CTH-KW		1.000	1.9+20			
222		U	P-16	74.1568		02-08-67	0745	3674-KW		1.000	1.2+21			
236		STEEL	4-14	516.8804		02-28-65	1432	2CTH-KW		1.000	6.6+21			
236		ZIRC	4-26	41.2685		03-20-67	0806	3BTH-KW		1.000	5.2+20			
236		SS	4-32	13.0304		05-03-67	0626	3DTH-KW		1.000	1.2+20			
243		VARIOS	0127	216.2509		01-20-66	1500	4CTH-KW		1.000	2.7+21			
243		VARIOS	0132	175.6509		03-14-66	2222	4CTH-KW		1.000	2.2+21			
243		MO	0152	5.6631		05-04-67	1515	4CTH-KW		1.000	7.2+19			
243		MO	0153	5.6631		05-04-67	1515	4CTH-KW		1.000	7.2+19			
243		MO	0154	5.6631		05-04-67	1515	4CTH-KW		1.000	7.2+19			
243		MO	0155	5.6631		05-04-67	1515	4CTH-KW		1.000	7.2+19			
243		MO	0156	5.6631		05-04-67	1515	4CTH-KW		1.000	7.2+19			
243		NI	0157	5.6631		05-04-67	1515	4CTH-KW		1.000	7.2+19			
243		NI	0158	5.6631		05-04-67	1515	4CTH-KW		1.000	7.2+19			
243		NI	0159	5.6631		05-04-67	1515	4CTH-KW		1.000	7.2+19			
259		HASTLY	0A-G	622.7881		12-25-64	2255	ETH -C	0-2177	1.000	2.4+21			
259		HASTLY	0A-H	622.7881		12-25-64	2255	ETH -C	0-2175	1.000	2.4+21			
295		U	0001	942.8056		12-11-63	1848	3469-B		.224	2.0+21			
307		FLXMON	0001	672.8804		10-20-64	0526	3BTH-KW		1.000	8.5+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	
THE FOLLOWING IRRADIATIONS ARE AWAITING DISPOSITION:													
177		GRAPHI	00A6	167,6826		10-22-66	0706	3ATH-KE	0-2278	1,000	05-06-67	1750	
177		GRAPHI	0P14	595,8708		03-05-65	0806	3CTH-KE	0-2980	1,000	05-06-67	1750	
177		GRAPHI	0P15	621,8708		01-28-65	1810	3CTH-KE	0-2953	1,000	05-06-67	1750	
236		HAST-X	HT-1	102,2556		01-01-67	0230	3ATH-KW		1,000	04-30-67	0516	
236		ZIRC	4-22	34,2381		03-20-67	0806	3DTH-KW		1,000	04-30-67	0516	
288		UO-PUO	0006	512,1646		12-06-65	0350	0663-C		959	02-12-67	0145	
288		UO-PUO	0007	512,1646		12-06-65	0350	0663-C		959	02-12-67	0145	
288		UO-PUO	0010	512,1646		12-06-65	0350	0663-C		662	02-12-67	0145	
288		UO-PUO	0011	512,1646		12-06-65	0350	0663-C		662	02-12-67	0145	

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IDENTIFICATION			OPERATING TIME (DAYS)	C M K ABSORBED	CHARGE		LOCATION		EXPOSURE TO DATE NVT	DISCHARGE		SHIPPING DATE
TSR NO.	REQUEST NUMBER	MATERIAL			PIECE NO.	DATE	TIME	FACILITY		TEST HOLE POSITION	DATE	
THE FOLLOWING IRRADIATIONS WERE SHIPPED DURING THE MONTH												
172		FILTER	0775	.0014	04-26-67	1025	2ATH-KW		9.5+14	04-26-67	1057	04-27-67
172		FILTER	0776	.0014	04-26-67	1025	2ATH-KW		9.5+14	04-26-67	1057	04-27-67
172		FILTER	0777	.0014	04-26-67	1025	2ATH-KW		9.5+14	04-26-67	1057	04-27-67
172		FILTER	0778	.0014	04-26-67	1025	2ATH-KW		9.5+14	04-26-67	1057	04-27-67
172		FILTER	0779	.0014	04-26-67	1025	2ATH-KW		9.5+14	04-26-67	1057	04-27-67
172		FILTER	0780	.0014	04-26-67	1025	2ATH-KW		9.5+14	04-26-67	1057	04-27-67
172		FILTER	0781	.0014	04-26-67	1025	2ATH-KW		9.5+14	04-26-67	1057	04-27-67
172		FILTER	0782	.0014	04-26-67	1025	2ATH-KW		9.5+14	04-26-67	1057	04-27-67
172		TISSUE	0791	.0208	05-04-67	1825	2ATH-KW		1.9+17	05-04-67	1855	05-05-67
172		TISSUE	0792	.0208	05-04-67	1825	2ATH-KW		1.9+17	05-04-67	1855	05-05-67
172		TISSUE	0793	.0208	05-04-67	1825	2ATH-KW		1.9+17	05-04-67	1855	05-05-67
172		TISSUE	0794	.0208	05-04-67	1825	2ATH-KW		1.9+17	05-04-67	1855	05-05-67
172		TISSUE	0795	.0208	05-04-67	1825	2ATH-KW		1.9+17	05-04-67	1855	05-05-67
172		TISSUE	0796	.0208	05-04-67	1825	2ATH-KW		1.9+17	05-04-67	1855	05-05-67
172		STD	0797	1.0069	05-04-67	1955	2ATH-KW		9.4+18	05-05-67	2005	05-06-67
172		STD	0798	1.0069	05-04-67	1955	2ATH-KW		9.4+18	05-05-67	2005	05-06-67
172		STD	0799	1.0069	05-04-67	1955	2ATH-KW		9.4+18	05-05-67	2005	05-06-67
172		TISSUE	0800	.0208	05-04-67	2000	2ATH-KW		1.9+17	05-04-67	2030	05-05-67
172		TISSUE	0801	.0208	05-04-67	2000	2ATH-KW		1.9+17	05-04-67	2030	05-05-67
172		TISSUE	0802	.0208	05-04-67	2000	2ATH-KW		1.9+17	05-04-67	2030	05-05-67
172		TISSUE	0803	.0208	05-04-67	2000	2ATH-KW		1.9+17	05-04-67	2030	05-05-67
172		TISSUE	0804	.0208	05-04-67	2000	2ATH-KW		1.9+17	05-04-67	2030	05-05-67
172		STD	0766	.0208	04-25-67	1315	2DTH-KE		1.9+17	04-25-67	1345	04-26-67
172		STD	0767	.0208	04-25-67	1315	2DTH-KE		1.9+17	04-25-67	1345	04-26-67
172		STD	0768	.0208	04-25-67	1315	2DTH-KE		1.9+17	04-25-67	1345	04-26-67
172		STD	0769	.0208	04-25-67	1315	2DTH-KE		1.9+17	04-25-67	1345	04-26-67
172		STD	0770	.0208	04-25-67	1315	2DTH-KE		1.9+17	04-25-67	1345	04-26-67
172		STD	0771	.0208	04-25-67	1315	2DTH-KE		1.9+17	04-25-67	1345	04-26-67
172		STD	0772	.0208	04-25-67	1315	2DTH-KE		1.9+17	04-25-67	1345	04-26-67
172		WATER	0773	2.0000	04-25-67	1430	2DTH-KE		1.9+19	04-27-67	1430	04-28-67
172		WATER	0774	2.0000	04-25-67	1430	2DTH-KE		1.9+19	04-27-67	1430	04-28-67
172		SOIL	0783	.0069	05-02-67	1100	2DTH-KE		4.7+15	05-02-67	1300	05-02-67
172		SOIL	0784	.0069	05-02-67	1100	2DTH-KE		4.7+15	05-02-67	1300	05-02-67
172		SOIL	0785	.0069	05-02-67	1100	2DTH-KE		4.7+15	05-02-67	1300	05-02-67
172		SOIL	0786	.0069	05-02-67	1100	2DTH-KE		4.7+15	05-02-67	1300	05-02-67
172		SOIL	0787	.0069	05-02-67	1100	2DTH-KE		4.7+15	05-02-67	1300	05-02-67
172		SOIL	0788	.0069	05-02-67	1100	2DTH-KE		4.7+15	05-02-67	1300	05-02-67
172		SOIL	0789	.0069	05-02-67	1100	2DTH-KE		4.7+15	05-02-67	1300	05-02-67

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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														
172		SOIL	0790	.0069		05-02-67	1100	2DTH-KE		1.000	4.7+15	05-02-67	1300	05-02-67
172		STD	0805	.0417		05-06-67	0852	2DTH-KE		1.000	3.2+16	05-06-67	0952	05-07-67
172		STD	0806	.0417		05-06-67	0852	2DTH-KE		1.000	3.5+16	05-06-67	0952	05-07-67
172		STD	0807	.0417		05-06-67	0852	2DTH-KE		1.000	7.1+16	05-06-67	0952	05-07-67
177		GRAPH	A0J1	133.3021		10-04-66	0050	BTH-C	0-2080	1.000	9.0+20	01-03-67	0006	04-30-67
177		GRAPH	A0J2	167.9303		10-04-66	0050	BTH-C	0-2062	1.000	1.1+21	04-28-67	0704	04-28-67
177		GRAPH	A0J3	142.3958		10-04-66	0050	BTH-C	0-2074	1.000	9.6+20			04-30-67
177		GRAPH	A0J4	169.5414		10-04-66	0050	BTH-C	0-2068	1.000	1.1+21	04-28-67	0704	04-28-67
177		GRAPH	A0J6	133.3021		10-04-66	0050	BTH-C	0-2083	1.000	9.0+20	01-03-67	0006	04-30-67
177		GRAPH	A0K3	169.5414		10-04-66	0050	BTH-C	0-2071	1.000	1.1+21	04-28-67	0704	04-28-67
177		GRAPH	A0K5	133.3021		10-04-66	0050	BTH-C	0-2077	1.000	9.0+20	01-03-67	0006	04-30-67
177		GRAPH	A0K6	164.2862		10-04-66	0050	BTH-C	0-2086	1.000	1.1+21	01-03-67	0006	04-30-67
177		GRAPH	A0K9	167.9303		10-04-66	0050	BTH-C	0-2059	1.000	1.1+21	04-28-67	0704	04-28-67
177		GRAPH	B0K2	257.9457		03-19-66	0238	BTH-C	0-2065	1.000	1.7+21	04-28-67	0704	04-28-67
177		GRAPH	00J5	92.0484		01-06-67	2145	BTH-C	0-2083	1.000	5.7+20	04-28-67	0704	04-28-67
177		GRAPH	00J7	92.0484		01-06-67	2145	BTH-C	0-2077	1.000	5.7+20	04-28-67	0704	04-28-67
177		GRAPH	00J8	92.0484		01-06-67	2145	BTH-C	0-2089	1.000	5.7+20	04-28-67	0704	04-28-67
177		GRAPH	00K7	92.0484		01-06-67	2145	BTH-C	0-2086	1.000	5.7+20	04-28-67	0704	04-28-67
177		GRAPH	00K8	92.0484		01-06-67	2145	BTH-C	0-2080	1.000	5.7+20	04-28-67	0704	04-28-67
184		VRS	2502	.8368		04-25-67	1040	2ATH-KW		1.000	7.8+18	04-26-67	0645	04-26-67
184		VRS	2503	.8368		04-25-67	1040	2ATH-KW		1.000	7.8+18	04-26-67	0645	04-26-67
184		VRS	2504	.8368		04-25-67	1040	2ATH-KW		1.000	7.8+18	04-26-67	0645	04-26-67
184		VRS	2505	.8368		04-25-67	1040	2ATH-KW		1.000	7.8+18	04-26-67	0645	04-26-67
184		VRS	2506	.8229		04-26-67	1100	2ATH-KW		1.000	7.0+17	04-27-67	0645	04-27-67
184		VRS	2507	.8229		04-26-67	1100	2ATH-KW		1.000	1.4+18	04-27-67	0645	04-27-67
184		VRS	2508	.8229		04-26-67	1100	2ATH-KW		1.000	1.4+18	04-27-67	0645	04-27-67
184		VRS	2518	.8854		05-09-67	0915	2ATH-KW		1.000	8.2+18	05-10-67	0630	05-10-67
184		VRS	2519	.8854		05-09-67	0915	2ATH-KW		1.000	8.2+18	05-10-67	0630	05-10-67
184		VRS	2496	.9236		04-23-67	0830	2DTH-KE		1.000	8.6+18	04-24-67	0640	04-24-67
184		VRS	2497	.9236		04-23-67	0830	2DTH-KE		1.000	8.6+18	04-24-67	0640	04-24-67
184		VRS	2498	.9236		04-23-67	0830	2DTH-KE		1.000	8.6+18	04-24-67	0640	04-24-67
184		VRS	2499	.8646		04-24-67	0945	2DTH-KE		1.000	7.3+17	04-25-67	0630	04-25-67
184		VRS	2500	.8646		04-24-67	0945	2DTH-KE		1.000	1.5+18	04-25-67	0630	04-25-67
184		VRS	2501	.8646		04-24-67	0945	2DTH-KE		1.000	1.5+18	04-25-67	0630	04-25-67
184		VRS	2509	.8715		04-30-67	0935	2DTH-KE		1.000	8.1+18	05-01-67	0630	05-01-67
184		VRS	2510	.8715		04-30-67	0935	2DTH-KE		1.000	8.1+18	05-01-67	0630	05-01-67
184		VRS	2511	.8507		05-01-67	1005	2DTH-KE		1.000	7.9+18	05-02-67	0630	05-02-67
184		VRS	2512	.8507		05-01-67	1005	2DTH-KE		1.000	7.9+18	05-02-67	0630	05-02-67

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IDENTIFICATION				OPERATING TIME (DAYS)	C M K ABSORBED	CHARGE		LOCATION		EXPOSURE TO DATE NVT	DISCHARGE		SHIPPING DATE
TSR NO.	REQUEST NUMBER	MATERIAL	PIECE NO.			DATE	TIME	FACILITY	TEST HOLE POSITION		POSITION FACTOR	DATE	
THE FOLLOWING IRRADIATIONS WERE SHIPPED DURING THE MON TH													
184		VRS	2513	.8507		05-02-67	1005	2DTH=KE		7.9-18	05-03-67	0630	05-03-67
184		VRS	2514	.8507		05-02-67	1005	2DTH=KE		7.9-18	05-03-67	0630	05-03-67
184		VRS	2515	.7986		05-03-67	1120	2DTH=KE		6.8-17	05-04-67	0630	05-04-67
184		VRS	2516	.7986		05-03-67	1120	2DTH=KE		1.4-18	05-04-67	0630	05-04-67
184		VRS	2517	.7986		05-03-67	1120	2DTH=KE		1.4-18	05-04-67	0630	05-04-67
184		VRS	6279	.0007		05-03-67	1112	2DTH=KE		5.9-14	05-03-67	1113	05-04-67
222		U	0036	151.5944		04-28-66	1730	3674=KW		2.4-21	12-28-66	2330	04-30-67
222		U	0015	94.3959		01-01-67	0230	3865=KW		1.5-21	04-17-67	2350	04-30-67
222		U	00P9	214.6805		12-23-65	2010	3865=KW		3.5-21	11-26-66		04-30-67
222		U	0035	214.6805		12-23-65	2010	3865=KW		3.5-21	11-26-66		04-30-67
243		IRON	0033	408.5090		09-28-65	2156	4CTH=KW		5.2-21	04-17-67	2350	04-30-67
254		AS	0414	.0417		05-03-67	1940	2ATH=KW		3.9-17	05-03-67	2040	05-04-67
254		SALTS	0415	.0417		05-08-67	1320	2ATH=KW		3.9-17	05-08-67	1420	05-09-67
254		SALTS	0416	.0417		05-08-67	1320	2ATH=KW		3.9-17	05-08-67	1420	05-09-67
254		AS	0417	.0417		05-08-67	1320	2ATH=KW		3.9-17	05-08-67	1420	05-09-67

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