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**Pacific Northwest Laboratory
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TITLE

STATUS OF IRRADIATIONS PERFORMED BY FUEL &
TARGET IRRADIATION TECHNOLOGY FOR BNW AS
OF JANUARY 31, 1970

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AUTHOR

L. V. Barker

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BNW attn:

F. P. Brauer

30977

320

MAR 5 1970

F. P. Brauer

~~R. J. Brauer~~

~~30533~~

~~320~~

~~MAR 17 1970~~

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STATUS OF IRRADIATIONS PERFORMED BY
FUEL & TARGET IRRADIATION TECHNOLOGY FOR
BNW AS OF JANUARY 31, 1970

L. V. Barker

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This report itemizes the irradiations performed by Fuel and Target Irradiation Technology for BNW. 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 Fuel and Target Irradiation Technology 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.

L. V. Barker, Supervisor
Irradiation Services Unit

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LVB:

IDENTIFICATION

CHARGE

LOCATION

DISCHARGE

SHIPPING DATE

TISR NO. REQUEST NUMBER MATERIAL PIECE NO.

OPERATING TIME (DAYS)

CMK ABSORBED

DATE

TIME

FACILITY

TEST HOLE POSITION

POSITION FACTOR

EXPOSURE TO DATE NVT

DATE

TIME

THE FOLLOWING IRRADIATIONS ARE IN PROGRESS.

177	BNW-177	GRAPH	00-6	256,9469		01-25-69	0856	4BTH-KE	0-4366	1,000	2,8+21
177	BNW-177	GRAPH	0140	256,9469		01-25-69	0856	4BTH-KE	0-4379	1,000	2,8+21
177	BNW-177	GRAPH	0143	256,9469		01-25-69	0856	4BTH-KE	0-4376	1,000	2,8+21
177	BNW-177	GRAPH	0188	256,9469		01-25-69	0856	4BTH-KE	0-4363	1,000	2,8+21
177	BNW-177	GRAPH	0109	256,9469		01-25-69	0856	4BTH-KE	0-4397	1,000	2,8+21
177	BNW-177	GRAPH	0190	256,9469		01-25-69	0856	4BTH-KE	0-4373	1,000	2,8+21
177	BNW-177	GRAPH	0191	256,9469		01-25-69	0856	4BTH-KE	0-4369	1,000	2,8+21
177	BNW-177	GRAPH	0192	256,9469		01-25-69	0856	4BTH-KE	0-4354	1,000	2,8+21
177	BNW-177	GRAPH	0193	256,9469		01-25-69	0856	4BTH-KE	0-4360	1,000	2,8+21
236		SS	1V36	437,5237		06-11-68	1400	3CTH-KW	1,000	4,9+21	
236		ZIRC	4-30	558,6631		01-14-68	2019	3CTH-KW	1,000	6,4+21	
236	BNW-236	SS	4-40	115,4145		09-07-69	1740	2CTH-KW	1,000	1,3+21	
236	BNW-236	SS	4-41	97,3965		11-28-69	1200	3ATH-KW	1,000	5,5+20	
236	BNW-236	SS	4-42	57,3965		11-28-69	1200	3DTH-KW	1,000	5,5+20	
236	BNW-236-A	SS	4-38	174,4297		05-29-69	2312	3BTH-KW	1,000	1,9+21	
243	BNW-243	RE	0184	15,8027		12-26-69	0930	4CTH-KW	1,000	1,7+20	
243	BNW-243	RE	0185	15,8027		12-26-69	0930	4CTH-KW	1,000	1,7+20	
243	BNW-243	RE	0186	15,8027		12-26-69	0930	4CTH-KW	1,000	1,7+20	
243	BNW-243	RE	0190	15,8027		12-26-69	0930	4CTH-KW	1,000	1,7+20	
384	BNW-384	BORGAN	0005	194,5853		05-29-69	2312	3BTH-KW	1,000	2,1+21	
384	BNW-384	BORGAN	0006	194,5853		05-29-69	2312	3BTH-KW	1,000	2,1+21	
384	BNW-384	BORGAN	0003	201,1301		04-21-69	2113	3CTH-KE	1,000	2,2+21	

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IDENTIFICATION				OPERATING TIME (DAYS)	C M K ASSIGNED	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		TIME
THE FOLLOWING IDENTIFICATIONS ARE ANNOTATIONS DISPOSITION:														
177		GRAPH	ACTA6	506,4286			09-22-67	0608	3ATH-KK	0-2984	1.000	4,5+21	07-03-69	1353
177		GRAPH	ACD2	508,4286			09-22-67	0608	3ATH-KK	0-2977	1.000	4,5+21	07-03-69	1353
177		GRAPH	ACD3	508,4286			09-22-67	0608	3ATH-KK	0-2981	1.000	4,5+21	07-03-69	1353
243		GRAPH	0178	205,4133			10-24-68	1345	4CTH-KK		1.000	2,3+21	10-03-69	1020
243	BMM-243	RE	0187	13,7333			12-26-69	0930	4CTH-KK		1.000	1,5+20	01-16-70	1020
243	BMM-243	RE	0188	13,7333			12-26-69	0930	4CTH-KK		1.000	1,5+20	01-16-70	1020
243	BMM-243	SS	0189	2,0694			01-26-70	0920	4CTH-KK		1.000	2,3+19	01-28-70	1100
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IDENTIFICATION				OPERATING TIME (DAYS)	CMK ASSIGNED	CHARGE		LOCATION			DISCHARGE		SHIPPING DATE
TBR 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	BNW-172	BIC	2304	0208		01-20-70	1050	2ATH-KW		1.000	01-20-70	1120	01-22-70
172	BNW-172	BIC	2305	0208		01-20-70	1050	2ATH-KW		1.000	01-20-70	1120	01-22-70
172	BNW-172	BIC	2306	0208		01-20-70	1050	2ATH-KW		1.000	01-20-70	1120	01-22-70
172	BNW-172	BIC	2307	0208		01-20-70	1050	2ATH-KW		1.000	01-20-70	1120	01-22-70
172	BNW-172	BIC	2308	0208		01-20-70	1050	2ATH-KW		1.000	01-20-70	1120	01-22-70
172	BNW-172	BIC	2309	0208		01-20-70	1125	2ATH-KW		1.000	01-20-70	1155	01-22-70
172	BNW-172	BIC	2310	0208		01-20-70	1125	2ATH-KW		1.000	01-20-70	1155	01-22-70
172	BNW-172	BIC	2311	0208		01-20-70	1125	2ATH-KW		1.000	01-20-70	1155	01-22-70
172	BNW-172	BIC	2312	0208		01-20-70	1125	2ATH-KW		1.000	01-20-70	1155	01-22-70
172	BNW-172	BIC	2313	0208		01-20-70	1125	2ATH-KW		1.000	01-20-70	1155	01-22-70
172	BNW-172	BIC	2314	0208		01-24-70	0905	2DTH-KE		1.000	01-24-70	0935	01-25-70
172	BNW-172	BIC	2315	0208		01-24-70	0905	2DTH-KE		1.000	01-24-70	0935	01-25-70
172	BNW-172	BIC	2316	0208		01-24-70	0905	2DTH-KE		1.000	01-24-70	0935	01-25-70
172	BNW-172	BIC	2317	0208		01-24-70	0905	2DTH-KE		1.000	01-24-70	0935	01-25-70
172	BNW-172	BIC	2318	0208		01-24-70	0905	2DTH-KE		1.000	01-24-70	0935	01-25-70
172	BNW-172	BIC	2319	0208		01-24-70	0905	2DTH-KE		1.000	01-24-70	0935	01-25-70
172	BNW-172	BIC	2320	0208		01-24-70	0905	2DTH-KE		1.000	01-24-70	0935	01-25-70
172	BNW-172	BIC	2321	0208		01-24-70	0953	2DTH-KE		1.000	01-24-70	1023	01-25-70
172	BNW-172	BIC	2322	0208		01-24-70	0953	2DTH-KE		1.000	01-24-70	1023	01-25-70
172	BNW-172	BIC	2323	0208		01-24-70	0953	2DTH-KE		1.000	01-24-70	1023	01-25-70
172	BNW-172	BIC	2324	0208		01-24-70	0953	2DTH-KE		1.000	01-24-70	1023	01-25-70
172	BNW-172	BIC	2325	0208		01-24-70	0953	2DTH-KE		1.000	01-24-70	1023	01-25-70
172	BNW-172	BIC	2326	0208		01-24-70	0953	2DTH-KE		1.000	01-24-70	1023	01-25-70
172	BNW-172	BIC	2327	0208		01-24-70	1045	2DTH-KE		1.000	01-24-70	1115	01-25-70
172	BNW-172	BIC	2328	0208		01-24-70	1045	2DTH-KE		1.000	01-24-70	1115	01-25-70
172	BNW-172	BIC	2329	0208		01-24-70	1045	2DTH-KE		1.000	01-24-70	1115	01-25-70
172	BNW-172	BIC	2330	0208		01-24-70	1045	2DTH-KE		1.000	01-24-70	1115	01-25-70
172	BNW-172	BIC	2331	0208		01-24-70	1045	2DTH-KE		1.000	01-24-70	1115	01-25-70
172	BNW-172	BIC	2332	0208		01-24-70	1045	2DTH-KE		1.000	01-24-70	1115	01-25-70
172	BNW-172	BIC	2333	0208		01-24-70	1135	2DTH-KE		1.000	01-24-70	1205	01-25-70
172	BNW-172	BIC	2334	0208		01-24-70	1135	2DTH-KE		1.000	01-24-70	1205	01-25-70
172	BNW-172	BIC	2335	0208		01-24-70	1135	2DTH-KE		1.000	01-24-70	1205	01-25-70
172	BNW-172	BIC	2336	0208		01-24-70	1135	2DTH-KE		1.000	01-24-70	1205	01-25-70
172	BNW-172	BIC	2337	0208		01-24-70	1135	2DTH-KE		1.000	01-24-70	1205	01-25-70
172	BNW-172	BIC	2338	0208		01-24-70	1135	2DTH-KE		1.000	01-24-70	1205	01-25-70
172	BNW-172	BIC	2341	0208		01-31-70	0935	2DTH-KE		1.000	01-31-70	1005	02-02-70
172	BNW-172	BIC	2342	0208		01-31-70	0935	2DTH-KE		1.000	01-31-70	1005	02-02-70
172	BNW-172	BIC	2343	0208		01-31-70	0935	2DTH-KE		1.000	01-31-70	1005	02-02-70

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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 INFORMATION WAS SHIPPED DURING THE MONTH														
172	BNW-172	BIC	2344	.0208		01-31-70	0935	2DTH-KE		1.000	1,8+17	01-31-70	1005	02-02-70
172	BNW-172	BIC	2345	.0208		01-31-70	0935	2DTH-KE		1.000	1,8+17	01-31-70	1005	02-02-70
172	BNW-172	BIC	2346	.0208		01-31-70	0905	2DTH-KE		1.000	1,8+17	01-31-70	1005	02-02-70
172	BNW-172	BIC	2347	.0208		01-31-70	1035	2DTH-KE		1.000	1,8+17	01-31-70	1105	02-02-70
172	BNW-172	BIC	2348	.0208		01-31-70	1035	2DTH-KE		1.000	1,8+17	01-31-70	1105	02-02-70
172	BNW-172	BIC	2349	.0208		01-31-70	1035	2DTH-KE		1.000	1,8+17	01-31-70	1105	02-02-70
172	BNW-172	BIC	2350	.0208		01-31-70	1035	2DTH-KE		1.000	1,8+17	01-31-70	1105	02-02-70
172	BNW-172	BIC	2351	.0208		01-31-70	1035	2DTH-KE		1.000	1,8+17	01-31-70	1105	02-02-70
172	BNW-172	BIC	2352	.0208		01-31-70	1035	2DTH-KE		1.000	1,8+17	01-31-70	1105	02-02-70
172	BNW-172	SEASLT	2296	1.0000		12-26-69	1330	4BTH-KW		1.000	7,8+17	12-27-69	1330	01-16-70
172	BNW-172	SEASLT	2297	1.0000		12-26-69	1330	4BTH-KW		1.000	1,1+18	12-27-69	1330	01-16-70
172	BNW-172	VAR	2298	1.0000		01-13-70	0935	4BTH-KW		1.000	7,8+17	01-14-70	0935	01-14-70
172	BNW-172	VAR	2299	1.0000		01-13-70	0935	4BTH-KW		1.000	1,1+18	01-14-70	0935	01-14-70
172	BNW-172	DUURSM	2300	.8437		01-14-70	1320	4BTH-KW		1.000	6,6+17	01-15-70	0935	01-19-70
172	BNW-172	GEOSFC	2301	.8437		01-14-70	1320	4BTH-KW		1.000	9,3+17	01-15-70	0935	01-19-70
172	BNW-172	VAR	2302	1.8333		01-15-70	1315	4BTH-KW		1.000	1,4+18	01-17-70	0915	01-20-70
172	BNW-172	VAR	2303	1.8333		01-15-70	1315	4BTH-KW		1.000	2,0+18	01-17-70	0915	01-20-70
172	BNW-172	PLASTC	2339	.7083		01-27-70	1530	4BTH-KW		1.000	5,5+17	01-28-70	0830	01-29-70
172	BNW-172	SED	2340	.0868		01-29-70	0625	4BTH-KW		1.000	9,5+16	01-29-70	0830	01-30-70
184	BNW-184	VAR	3497	.8715		01-11-70	0950	2ATH-KW		1.000	7,4+18	01-12-70	0645	01-12-70
184	BNW-184	VAR	3498	.8715		01-11-70	0950	2ATH-KW		1.000	7,4+18	01-12-70	0645	01-12-70
184	BNW-184	VAR	3499	.8933		01-13-70	0910	2ATH-KW		1.000	1,5+18	01-14-70	0645	01-14-70
184	BNW-184	VAR	3500	.8933		01-13-70	0910	2ATH-KW		1.000	1,5+18	01-14-70	0645	01-14-70
184	BNW-184	VAR	3501	.8229		01-18-70	1100	2ATH-KW		1.000	7,0+18	01-19-70	0645	01-19-70
184	BNW-184	VAR	3502	.8229		01-18-70	1100	2ATH-KW		1.000	7,0+18	01-19-70	0645	01-19-70
184	BNW-184	VAR	3503	.8048		01-19-70	1100	2ATH-KW		1.000	6,8+18	01-20-70	0645	01-20-70
184	BNW-184	VAR	3504	.8048		01-19-70	1100	2ATH-KW		1.000	6,8+18	01-20-70	0645	01-20-70
184	BNW-184	VAR	3509	.8299		01-28-70	1050	2ATH-KW		1.000	1,4+18	01-29-70	0645	01-29-70
184	BNW-184	VAR	3492	.0007		01-02-70	0820	2DTH-KE		1.000	1,2+15	01-03-70	0821	01-02-70
184	BNW-184	VAR	3493	.9132		01-04-70	0850	2DTH-KE		1.000	7,7+18	01-05-70	0645	01-05-70
184	BNW-184	VAR	3495	.8933		01-06-70	0910	2DTH-KE		1.000	7,6+18	01-07-70	0645	01-08-70
184	BNW-184	VAR	3496	.8933		01-06-70	0910	2DTH-KE		1.000	7,6+18	01-07-70	0645	01-08-70
184	BNW-184	VAR	3505	.8507		01-25-70	1020	2DTH-KE		1.000	1,4+18	01-26-70	0645	01-26-70
184	BNW-184	VAR	3506	.8507		01-25-70	1020	2DTH-KE		1.000	1,4+18	01-26-70	0645	01-26-70
184	BNW-184	VAR	3507	.8646		01-27-70	1000	2DTH-KE		1.000	7,3+18	01-28-70	0645	01-28-70
184	BNW-184	VAR	3508	.8646		01-27-70	1000	2DTH-KE		1.000	7,3+18	01-28-70	0645	01-28-70
184	BNW-184	VAR	3510	.8264		01-29-70	1055	2DTH-KE		1.000	7,0+18	01-30-70	0645	01-30-70
184	BNW-184	VAR	3511	.8264		01-29-70	1055	2DTH-KE		1.000	7,0+18	01-30-70	0645	01-30-70

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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														
184	BNW-184	PLASTC	6730	.0007		01-30-70	0934	2DTH-KE		1.000	5,3+14	01-30-70	0935	01-30-70
184	BNW-184	PLASTC	6715	.0014		01-14-70	1316	4BTH-KW		1.000	1,1+15	01-14-70	1318	01-14-70
184	BNW-184	PLASTC	6716	.0014		01-15-70	1313	4BTH-KW		1.000	1,1+15	01-15-70	1315	01-15-70
184	BNW-184	PLASTC	6717	.0014		01-20-70	1057	4BTH-KW		1.000	1,1+15	01-20-70	1059	01-20-70
184	BNW-184	PLASTC	6718	.0014		01-22-70	0857	4BTH-KW		1.000	1,1+15	01-22-70	0859	01-23-70
184	BNW-184	PLASTC	6719	.0014		01-22-70	0900	4BTH-KW		1.000	1,1+15	01-22-70	0902	01-23-70
184	BNW-184	PLASTC	6720	.0014		01-22-70	0903	4BTH-KW		1.000	1,1+15	01-22-70	0905	01-23-70
184	BNW-184	PLASTC	6721	.0014		01-22-70	0907	4BTH-KW		1.000	1,1+15	01-22-70	0909	01-23-70
184	BNW-184	PLASTC	6722	.0007		01-23-70	1021	4BTH-KW		1.000	5,4+14	01-23-70	1022	01-24-70
184	BNW-184	PLASTC	6723	.0007		01-23-70	1023	4BTH-KW		1.000	5,4+14	01-23-70	1024	01-24-70
184	BNW-184	PLASTC	6724	.0007		01-24-70	1150	4BTH-KW		1.000	7,7+14	01-24-70	1151	01-25-70
184	BNW-184	PLASTC	6725	.0007		01-26-70	1518	4BTH-KW		1.000	7,7+14	01-26-70	1519	01-26-70
184	BNW-184	PLASTC	6726	.0007		01-26-70	1520	4BTH-KW		1.000	7,7+14	01-26-70	1521	01-26-70
184	BNW-184	PLASTC	6727	.0007		01-27-70	1219	4BTH-KW		1.000	7,7+14	01-27-70	1220	01-28-70
184	BNW-184	PLASTC	6728	.0007		01-27-70	1230	4BTH-KW		1.000	7,7+14	01-27-70	1231	01-28-70
184	BNW-184	PLASTC	6729	.0007		01-29-70	0621	4BTH-KW		1.000	7,7+14	01-29-70	0622	01-29-70
184	BNW-184	PLASTC	6731	.0007		01-30-70	1257	4BTH-KW		1.000	7,7+14	01-30-70	1258	01-31-70
184	BNW-184	PLASTC	6732	.0007		01-30-70	1301	4BTH-KW		1.000	7,7+14	01-30-70	1302	01-31-70
184	BNW-184	PLASTC	6733	.0007		01-30-70	1304	4BTH-KW		1.000	7,7+14	01-30-70	1305	01-31-70
184	BNW-184	PLASTC	6734	.0007		01-31-70	1322	4BTH-KW		1.000	7,7+14	01-31-70	1323	01-31-70
184	BNW-184	PLASTC	6735	.0007		01-31-70	1325	4BTH-KW		1.000	7,7+14	01-31-70	1326	01-31-70
271	BNW-271	NA	0146	.0417		01-19-70	0915	2ATH-KW		1.000	3,5+17	01-19-70	1015	01-23-70
271	BNW-271	DEPU	0147	2,8157		01-24-70	1059	2ATH-KW		1.000	2,4+19	01-27-70	0900	01-29-70
271	BNW-271	DEPU	0145	2,8090		01-02-70	1120	2DTH-KE		1.000	2,4+19	01-05-70	0645	01-12-70
391	BNW-391	UO-PL	0007	4,0177		01-14-70	0955	2BTH-KW		1.000	4,4+19	01-18-70	1620	01-20-70
394	BNW-394	PU-TIN	0002	3,3507		01-28-70	1520	2BTH-KW		1.000	3,7+19	01-31-70	2345	02-04-70
400	BNW-400	BIC	0062	.0208		01-17-70	1217	2ATH-KW		1.000	1,8+17	01-17-70	1247	01-19-70
400	BNW-400	BIC	0063	.0208		01-17-70	1301	2ATH-KW		1.000	1,8+17	01-17-70	1331	01-19-70
400	BNW-400	BIC	0064	.0208		01-17-70	1301	2ATH-KW		1.000	1,8+17	01-17-70	1331	01-19-70
400	BNW-400	BIC	0065	.0208		01-17-70	1301	2ATH-KW		1.000	1,8+17	01-17-70	1331	01-19-70
400	BNW-400	BIC	0066	.0208		01-17-70	1301	2ATH-KW		1.000	1,8+17	01-17-70	1331	01-19-70
400	BNW-400	BIC	0067	.0208		01-17-70	1301	2ATH-KW		1.000	1,8+17	01-17-70	1331	01-19-70
400	BNW-400	BIC	0068	.0208		01-17-70	1301	2ATH-KW		1.000	1,8+17	01-17-70	1331	01-19-70
400	BNW-400	BIC	0073	.0104		01-26-70	1303	2DTH-KE		1.000	8,8+16	01-26-70	1318	01-27-70
400	BNW-400	BIC	0074	.0104		01-26-70	1303	2DTH-KE		1.000	8,8+16	01-26-70	1318	01-27-70
400	BNW-400	BIC	0075	.0104		01-26-70	1303	2DTH-KE		1.000	8,8+16	01-26-70	1318	01-27-70
400	BNW-400	BIC	0076	.0104		01-26-70	1303	2DTH-KE		1.000	8,8+16	01-26-70	1318	01-27-70
400	BNW-400	BIC	0077	.0104		01-26-70	1303	2DTH-KE		1.000	8,8+16	01-26-70	1318	01-27-70

DECLASSIFIED

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		DATE	TIME	
THE FOLLOWING IRRADIATIONS WERE SHIPPED DURING THE MONTH													
400	BNW-400	BIO	0078	0104		01-26-70	1303	2DTH-KE		8, 8+16	01-26-70	1313	01-29-70
400	BNW-400	BIO	0079	0104		01-27-70	0837	2DTH-KE		8, 8+16	01-27-70	0852	01-29-70
400	BNW-400	BIO	0080	0104		01-27-70	0837	2DTH-KE		8, 8+16	01-27-70	0852	01-29-70
400	BNW-400	BIO	0081	0104		01-27-70	0837	2DTH-KE		8, 8+16	01-27-70	0852	01-29-70
400	BNW-400	BIO	0082	0104		01-27-70	0837	2DTH-KE		8, 8+16	01-27-70	0852	01-29-70
400	BNW-400	BIO	0083	0104		01-27-70	0837	2DTH-KE		8, 8+16	01-27-70	0852	01-29-70
400	BNW-400	BIO	0084	0104		01-27-70	0837	2DTH-KE		8, 8+16	01-27-70	0852	01-29-70
400	BNW-400	FILTER	0088	0104		01-28-70	0850	2DTH-KE		8, 8+16	01-28-70	0905	01-30-70
400	BNW-400	FILTER	0089	0104		01-28-70	0850	2DTH-KE		8, 8+16	01-28-70	0905	01-30-70
400	BNW-400	FILTER	0090	0104		01-28-70	0850	2DTH-KE		8, 8+16	01-28-70	0905	01-30-70
400	BNW-400	FILTER	0091	0104		01-28-70	0850	2DTH-KE		8, 8+16	01-28-70	0905	01-30-70
400	BNW-400	FILTER	0092	0104		01-28-70	0850	2DTH-KE		8, 8+16	01-28-70	0905	01-30-70
400	BNW-400	FILTER	0093	0104		01-28-70	0850	2DTH-KE		8, 8+16	01-28-70	0905	01-30-70
400	BNW-400	FILTER	0094	0104		01-28-70	0850	2DTH-KE		8, 8+16	01-28-70	0905	01-30-70
400	BNW-400	TISSUE	0095	0208		01-31-70	1135	2DTH-KE		1, 8+17	01-31-70	1205	02-02-70
400	BNW-400	TISSUE	0096	0208		01-31-70	1135	2DTH-KE		1, 8+17	01-31-70	1205	02-02-70
400	BNW-400	TISSUE	0097	0208		01-31-70	1135	2DTH-KE		1, 8+17	01-31-70	1205	02-02-70
400	BNW-400	TISSUE	0098	0208		01-31-70	1135	2DTH-KE		1, 8+17	01-31-70	1205	02-02-70
400	BNW-400	TISSUE	0099	0208		01-31-70	1235	2DTH-KE		1, 8+17	01-31-70	1305	02-02-70
400	BNW-400	TISSUE	0100	0208		01-31-70	1235	2DTH-KE		1, 8+17	01-31-70	1305	02-02-70
400	BNW-400	TISSUE	0101	0208		01-31-70	1235	2DTH-KE		1, 8+17	01-31-70	1305	02-02-70
400	BNW-400	TISSUE	0102	0208		01-31-70	1235	2DTH-KE		1, 8+17	01-31-70	1305	02-02-70
400	BNW-400	TISSUE	0103	0208		01-31-70	1235	2DTH-KE		1, 8+17	01-31-70	1305	02-02-70
400	BNW-400	WATER	0069	0208		01-19-70	0959	48TH-KW		2, 3+16	01-19-70	1029	01-21-70
400	BNW-400	WATER	0070	0208		01-19-70	1030	48TH-KW		2, 3+16	01-19-70	1100	01-21-70
400	BNW-400	WATER	0071	0208		01-19-70	1105	48TH-KW		2, 3+16	01-19-70	1135	01-21-70
400	BNW-400	SEASLT	0072	0000		01-20-70	1100	48TH-KW		7, 8+17	01-21-70	1100	01-30-70
400	BNW-400	BIO	0085	0208		01-27-70	0904	48TH-KW		1, 6+16	01-27-70	0934	01-29-70
400	BNW-400	BIO	0086	0208		01-27-70	0934	48TH-KW		1, 6+16	01-27-70	1004	01-29-70
400	BNW-400	BIO	0087	0208		01-27-70	1005	48TH-KW		1, 6+17	01-27-70	1035	01-29-70
400	BNW-400	URINE	0104	0208		01-31-70	1328	48TH-KW		9, 7+15	01-31-70	1353	02-04-70
400	BNW-400	URINE	0105	0208		01-31-70	1359	48TH-KW		9, 7+15	01-31-70	1429	02-04-70
400	BNW-400	URINE	0106	0208		01-31-70	1430	48TH-KW		9, 7+15	01-31-70	1500	02-04-70
400	BNW-400	URINE	0107	0208		01-31-70	1504	48TH-KW		9, 7+15	01-31-70	1534	02-04-70
400	BNW-400	BIO	0045	0208		01-17-70	1026	2ATH-KW		1, 8+17	01-17-70	1056	01-19-70
400	BNW-400	BIO	0046	0208		01-17-70	1026	2ATH-KW		1, 8+17	01-17-70	1056	01-19-70
400	BNW-400	BIO	0047	0208		01-17-70	1026	2ATH-KW		1, 8+17	01-17-70	1056	01-19-70
400	BNW-400	BIO	0048	0208		01-17-70	1026	2ATH-KW		1, 8+17	01-17-70	1056	01-19-70

DECLASSIFIED

DECLASSIFIED

IDENTIFICATION

CHARGE

DISCHARGE

SHIPPING
DATE

PIECE
NO.

MATERIAL

REQUEST
NUMBER

TSR
NO.

C M K
ABSORBED

DATE
TIME

LOCATION
TEST HOLE
POSITION

POSITION
FACTOR

EXPOSURE
TO DATE
NVT

DATE

TIME

THE FOLLOWING IRRADIATIONS WERE SHIPPED DURING THE MON TH

400	R00-400	B10	0049	0208	01-17-70	1026	2ATH-KW	1,000	1,8+17	01-17-70	1056	01-19-70
400	R00-400	B10	0050	0208	01-17-70	1026	2ATH-KW	1,000	1,8+17	01-17-70	1056	01-19-70
400	R00-400	B10	0051	0208	01-17-70	1130	2ATH-KW	1,000	1,8+17	01-17-70	1200	01-19-70
400	R00-400	B10	0052	0208	01-17-70	1130	2ATH-KW	1,000	1,8+17	01-17-70	1200	01-19-70
400	R00-400	B10	0053	0208	01-17-70	1130	2ATH-KW	1,000	1,8+17	01-17-70	1200	01-19-70
400	R00-400	B10	0054	0208	01-17-70	1130	2ATH-KW	1,000	1,8+17	01-17-70	1200	01-19-70
400	R00-400	B10	0055	0208	01-17-70	1130	2ATH-KW	1,000	1,8+17	01-17-70	1200	01-19-70
400	R00-400	B10	0056	0208	01-17-70	1130	2ATH-KW	1,000	1,8+17	01-17-70	1200	01-19-70
400	R00-400	B10	0057	0208	01-17-70	1217	2ATH-KW	1,000	1,8+17	01-17-70	1247	01-19-70
400	R00-400	B10	0058	0208	01-17-70	1217	2ATH-KW	1,000	1,8+17	01-17-70	1247	01-19-70
400	R00-400	B10	0059	0208	01-17-70	1217	2ATH-KW	1,000	1,8+17	01-17-70	1247	01-19-70
400	R00-400	B10	0060	0208	01-17-70	1217	2ATH-KW	1,000	1,8+17	01-17-70	1247	01-19-70
400	R00-400	B10	0061	0208	01-17-70	1217	2ATH-KW	1,000	1,8+17	01-17-70	1247	01-19-70
400	R00-400	WATER	0041	0208	01-12-70	0941	4BTH-KW	1,000	2,3+16	01-12-70	1011	01-13-70
400	R00-400	WATER	0042	0208	01-12-70	1012	4BTH-KW	1,000	2,3+16	01-12-70	1042	01-13-70
400	R00-400	B10	0043	0208	01-12-70	1044	4BTH-KW	1,000	2,3+16	01-12-70	1114	01-14-70
400	R00-400	B10	0044	0208	01-12-70	1044	4BTH-KW	1,000	1,6+16	01-12-70	1114	01-14-70

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