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Calculation Cover Sheet

Complete only applicable items.

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2. Calculation Title
Laboratory Critical Experiment Reactivity Calculations

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10. Remarks
Attachments I through VI are contained on an attachment compact disc of this calculation file (the attachment compact disc has been moved to Reference 7.9). The numbers shown in Box 6 for Attachments I through VI refer to the number of pages in the hard-copy listing of each file's attributes on the compact disc.

Revision History

11. Revision No.	12. Description of Revision
00	Initial Issuance
01	Complete revision to incorporate additional cases and to change document format to be in accordance with QAP-3-15.

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1. PURPOSE

The purpose of this calculation is to perform the same reactivity calculations as performed in References 7.1 and 7.2 for a set of Laboratory Critical Experiments (LCEs), but in this case using different neutron cross-section libraries as specified herein, and to perform 16 additional calculations for ^{233}U LCEs. This report is an engineering calculation supporting the development of the disposal criticality analysis methodology.

2. METHOD

The calculation method used to perform the LCE reactivity calculations consisted of using the MCNP code (Reference 7.3) to calculate the effective neutron multiplication factor (k_{eff}) for various LCEs. The calculations were performed using continuous-energy neutron cross-section libraries from Evaluated Nuclear Data File (ENDF/B-V, ENDF/B-VI, and a combination of the two as selected in the *Selection of MCNP Cross Section Libraries* report [pp. 61-68, Ref. 7.6]). Each of the critical core configurations was simulated, and the results reported from the MCNP calculations were the combined average values of k_{eff} from the three estimates (collision, absorption, and track length) listed in the final generation summary in the MCNP output.

3. ASSUMPTIONS

3.1 It was assumed that the use of MCNP Version 4B and MCNP Version 4B2 would produce the same results for the same input case. The basis for this assumption is from software change request (SCR) No. LSPR161 (Ref. 7.8) stating that the only potential for differences is where surfaces are spaced less than $1.0\text{E}-04$ cm. Since surfaces in the LCE inputs are not spaced less than $1.0\text{E}-04$ cm, there should be no differences in the calculations between the two different versions of the MCNP code. This assumption will be used in Sections 4 and 5.

4. USE OF COMPUTER SOFTWARE AND MODELS

4.1 SOFTWARE APPROVED FOR QA WORK

The MCNP code was used to calculate k_{eff} for the LCE configurations. The software specifications are as follows:

Program Name: MCNP

Version/Revision Number: Version 4B and Version 4B2

CSCI Number: 30033 V4BLV and 30033 V4B2LV, respectively

Computer Type: HP 9000 Series Workstations

Computer Processing Unit Number: (Bloom) 700887

The input and output files for the various MCNP calculations are documented in the attachments to this calculation file as described in Sections 5 and 8 (the attachment compact disc [CD] has been moved to Reference 7.9), such that an independent repetition of the software use may be performed. The MCNP software used was: (a) appropriate for the application of k_{eff} calculations,

(b) used only within the range of validation as documented throughout References 7.3 and 7.4, (c) obtained from the Software Configuration Manager in accordance with appropriate procedures.

4.2 SOFTWARE ROUTINES

None.

4.3 MODELS

None.

5. CALCULATION

This report provides results of the calculations performed with MCNP utilizing cross-section libraries from ENDF/B-V, ENDF/B-VI, and a combination of both as selected in the *Selection of MCNP Cross Section Libraries* report (pp. 61-68, Ref. 7.6) – referred to as the WPO-Selected set throughout the rest of this report. The cases evaluated in this report are identical to the cases evaluated in References 7.1 and 7.2. The only changes to the inputs involved changing the material composition descriptions to be consistent with the ENDF/B-V, ENDF/B-VI, and WPO-Selected cross-section libraries, the number of generations run, and some additional source points added to the KSRC input card. The MCNP input files are presented in Attachments I, III, and V. The MCNP output files are presented in Attachments II, IV, and VI (the attachment CD has been moved to Reference 7.9). The k_{eff} results for each reactivity calculation are presented in Section 6.

Also, this calculation performed 16 new calculations for ^{233}U LCEs documented in Volume V of Reference 7.7. These include 10 fast metal systems and 6 thermal solution systems. Tables 5-1 and 5-2 contain descriptions of these LCEs. The MCNP inputs for the ^{233}U LCEs come from Volume V of Reference 7.7.

Reference 7.7 is a handbook on evaluated criticality safety benchmark experiments containing data on numerous different reports. The sources of all of the MCNP input files are from Reference 7.7 and published journal articles (as noted in References 7.1 and 7.2). Due to the nature of these sources, the data in them are established fact and are therefore considered accepted.

Table 5-1. ^{233}U Fast Metal LCEs

Case	ρ (g U/cm ³)	Mc (kg)	D (cm)	U-233 (wt%)	U-235 (wt%)	Reflector
u2331a	18.424	16.535	11.9676	98.13	0.03	Bare
u2332a	18.621	10.012	10.0888	98.20	0.00	U(93.2 wt% U-235); 18.8 g/cm ³ ; 1.2217 cm

Table 5-1. ²³³U Fast Metal LCEs

Case	ρ (g U/cm ³)	Mc (kg)	D (cm)	U-233 (wt%)	U-235 (wt%)	Reflector
u2332b	18.644	7.601	9.1998	98.20	0.00	U(93.2 wt% U-235); 18.8 g/cm ³ ; 1.9888 cm
u2333a	18.621	10.012	10.0888	98.20	0.00	U(0.72 wt% U-235); 18.92 g/cm ³ ; 2.3012 cm
u2333b	18.644	7.601	9.1998	98.20	0.00	U(0.72 wt% U-235); 18.92 g/cm ³ ; 5.3086 cm
u2334a1	18.621	10.012	10.0888	98.20	0.00	W alloy; 17.21 g/cm ³ ; 2.4384 cm
u2334b1	18.644	7.601	9.1998	98.20	0.00	W alloy; 17.21 g/cm ³ ; 5.7912 cm
u2335a	18.621	10.012	10.0888	98.20	0.00	BeO; 1.83 g/cm ³ ; 2.0447 cm
u2335b	18.644	7.601	9.1998	98.20	0.00	BeO; 1.83 g/cm ³ ; 4.1961 cm
u2336a	18.420	5.740	8.4116	98.13	0.03	U(0.72 wt% U-235); 19.00 g/cm ³ ; 19.9136 cm

Note: ρ = density of uranium in g U/cm³
 Mc = critical mass in kg
 D = diameter of sphere for the fuel region
 wt% = weight percent

Table 5-2. ²³³U Thermal Solution LCEs

Case	C (g U/l)	D (cm)	U-233 (wt%)	U-235 (wt%)	H/X	B (g/l)
u233s1	17.14	69.19	97.70	0.04	1531	0.00
u233s2	17.86	69.19	97.70	0.04	1471	0.0239
u233s3	18.52	69.19	97.70	0.04	1419	0.0465
u233s4	19.18	69.19	97.70	0.04	1369	0.0688
u233s5	19.82	69.19	97.70	0.04	1325	0.0912
u233s6	13.25	122.02	97.67	0.03	1984	0.00

Note: C = concentration of uranium in g U/l

D = diameter of sphere for the fuel region
 H/X = ratio of hydrogen atoms to fissile isotope atoms
 wt% = weight percent
 B = boron concentration in g B/l (19.9 atom% ¹⁰B)

5.1 CALCULATION MATERIAL INPUTS

Table 5-3 lists all of the MCNP cross-section library identifiers (ZAIDs) used in the LCE reactivity calculations documented in this calculation file. The MCNP ZAID is used to identify a cross-section library. The ZAID consists of a four- or five-digit element and isotope identifier followed by a cross-section library suffix. The first one or two digits in the ZAID refer to the atomic number of the corresponding element. The three digits preceding the period always refer to the isotopic mass number. The suffix identifies the library. Details are provided in Appendix G of Reference 7.3.

Table 5-3. MCNP Cross-Section Libraries Used in the LCE Reactivity Calculations

Element/ Isotope	MCNP ZAID	Temperature (K)	Library Name	Data Source
H-1	1001.50c	294.0	rmccs	ENDF/B-V.0
H-1	1001.60c	294.0	endf60	ENDF/B-VI.1
H-2	1002.55c	294.0	rmccs	LANL/T-2
H-2	1002.60c	294.0	endf60	ENDF/B-VI.0
Li-6	3006.50c	294.0	rmccs	ENDF/B-V.0
Li-6	3006.60c	294.0	endf60	ENDF/B-VI.1
Li-7	3007.55c	294.0	rmccs	ENDF/B-V.2
Li-7	3007.60c	294.0	endf60	ENDF/B-VI.0
Be-9	4009.50c	294.0	rmccs	ENDF/B-V.0
Be-9	4009.60c	294.0	endf60	ENDF/B-VI.0
B-10	5010.50c	294.0	rmccs	ENDF/B-V.0
B-10	5010.60c	294.0	endf60	ENDF/B-VI.1
B-11	5011.56c	294.0	newxs	LANL/T-2
B-11	5011.60c	294.0	endf60	ENDF/B-VI.0
C-nat*	6000.50c	294.0	rmccs	ENDF/B-V.0
C-nat	6000.60c	294.0	endf60	ENDF/B-VI.1
C-12	6012.50c	294.0	rmccs	ENDF/B-V.0
N-14	7014.50c	294.0	rmccs	ENDF/B-V.0
N-14	7014.60c	294.0	endf60	LANL/T-2
N-15	7015.55c	294.0	rmccsa	LANL/T-2
N-15	7015.60c	294.0	endf60	ENDF/B-VI.0
O-16	8016.50c	294.0	rmccs	ENDF/B-V.0
O-16	8016.60c	294.0	endf60	ENDF/B-VI.0

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Table 5-3. MCNP Cross Section Libraries Used in the LCE Reactivity Calculations

Element/ Isotope	MCNP ZAID	Temperature (K)	Library Name	Data Source
O-17	8017.60c	294.0	endf60	ENDF/B-VI.0
F-19	9019.50c	294.0	endf5p	ENDF/B-V.0
F-19	9019.60c	294.0	endf60	ENDF/B-VI.0
Na-23	11023.50c	294.0	endf5p	ENDF/B-V.0
Na-23	11023.60c	294.0	endf60	ENDF/B-VI.1
Mg-nat	12000.50c	294.0	endf5u	ENDF/B-V.0
Mg-nat	12000.60c	294.0	endf60	ENDF/B-VI.0
Al-27	13027.50c	294.0	rmccs	ENDF/B-V.0
Al-27	13027.60c	294.0	endf60	ENDF/B-VI.0
Si-nat	14000.50c	294.0	endf5p	ENDF/B-V.0
Si-nat	14000.60c	294.0	endf60	ENDF/B-VI.0
P-31	15031.50c	294.0	endf5u	ENDF/B-V.0
P-31	15031.60c	294.0	endf60	ENDF/B-VI.0
S-32	16032.50c	294.0	endf5u	ENDF/B-V.0
S-32	16032.60c	294.0	endf60	ENDF/B-VI.0
Cl-nat	17000.50c	294.0	endf5p	ENDF/B-V.0
Cl-nat	17000.60c	294.0	endf60	ENDF/B-VI.0
K-nat	19000.50c	294.0	endf5u	ENDF/B-V.0
K-nat	19000.60c	294.0	endf60	ENDF/B-VI.0
Ca-nat	20000.50c	294.0	endf5u	ENDF/B-V.0
Ca-nat	20000.60c	294.0	endf60	ENDF/B-VI.0
Ti-nat	22000.50c	294.0	endf5u	ENDF/B-V.0
Ti-nat	22000.60c	294.0	endf60	ENDF/B-VI.0
V-nat	23000.50c	294.0	endf5u	ENDF/B-V.0
V-nat	23000.60c	294.0	endf60	ENDF/B-VI.0
Cr-nat	24000.50c	294.0	rmccs	ENDF/B-V.0
Cr-50	24050.60c	294.0	endf60	ENDF/B-VI.1
Cr-52	24052.60c	294.0	endf60	ENDF/B-VI.1
Cr-53	24053.60c	294.0	endf60	ENDF/B-VI.1
Cr-54	24054.60c	294.0	endf60	ENDF/B-VI.1
Mn-55	25055.50c	294.0	endf5u	ENDF/B-V.0
Mn-55	25055.60c	294.0	endf60	ENDF/B-VI.0
Fe-nat	26000.55c	294.0	rmccs	LANL/T-2
Fe-54	26054.60c	294.0	endf60	ENDF/B-VI.1
Fe-56	26056.60c	294.0	endf60	ENDF/B-VI.1

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Table 5-3. MCNP Cross Section Libraries Used in the LCE Reactivity Calculations

Element/ Isotope	MCNP ZAID	Temperature (K)	Library Name	Data Source
Fe-57	26057.60c	294.0	endf60	ENDF/B-VI.1
Fe-58	26058.60c	294.0	endf60	ENDF/B-VI.1
Ni-nat	28000.50c	294.0	rmccs	ENDF/B-V.0
Ni-58	28058.60c	294.0	endf60	ENDF/B-VI.1
Ni-60	28060.60c	294.0	endf60	ENDF/B-VI.1
Ni-61	28061.60c	294.0	endf60	ENDF/B-VI.1
Ni-62	28062.60c	294.0	endf60	ENDF/B-VI.1
Ni-64	28064.60c	294.0	endf60	ENDF/B-VI.1
Cu-nat	29000.50c	294.0	rmccs	ENDF/B-V.0
Cu-63	29063.60c	294.0	endf60	ENDF/B-VI.2
Cu-65	29065.60c	294.0	endf60	ENDF/B-VI.2
Ga-nat	31000.50c	294.0	rmccs	ENDF/B-V.0
Ga-nat	31000.60c	294.0	endf60	ENDF/B-VI.0
Zr-nat	40000.56c	294.0	misc5xs	ENDF/B-V: XTM
Zr-nat	40000.60c	294.0	endf60	ENDF/B-VI.1
Nb-93	41093.50c	294.0	endf5p	ENDF/B-V.0
Nb-93	41093.60c	294.0	endf60	ENDF/B-VI.1
Mo-nat	42000.50c	294.0	endf5u	ENDF/B-V.0
Mo-nat	42000.60c	294.0	endf60	ENDF/B-VI.0
Cd-nat	48000.50c	294.0	endf5u	ENDF/B-V.0
Ba-138	56138.50c	294.0	rmccs	ENDF/B-V.0
Ba-138	56138.60c	294.0	endf60	ENDF/B-VI.0
Gd-152	64152.50c	294.0	endf5u	ENDF/B-V.0
Gd-152	64152.60c	294.0	endf60	ENDF/B-VI.0
Gd-154	64154.50c	294.0	endf5u	ENDF/B-V.0
Gd-154	64154.60c	294.0	endf60	ENDF/B-VI.0
Gd-155	64155.50c	294.0	endf5u	ENDF/B-V.0
Gd-155	64155.60c	294.0	endf60	ENDF/B-VI.0
Gd-156	64156.50c	294.0	endf5u	ENDF/B-V.0
Gd-156	64156.60c	294.0	endf60	ENDF/B-VI.0
Gd-157	64157.50c	294.0	endf5u	ENDF/B-V.0
Gd-157	64157.60c	294.0	endf60	ENDF/B-VI.0
Gd-158	64158.50c	294.0	endf5u	ENDF/B-V.0
Gd-158	64158.60c	294.0	endf60	ENDF/B-VI.0
Gd-160	64160.50c	294.0	endf5u	ENDF/B-V.0

Table 5-3. MCNP Cross-Section Libraries Used in the LCE Reactivity Calculations

Element/ Isotope	MCNP ZAID	Temperature (K)	Library Name	Data Source
Gd-160	64160.60c	294.0	endf60	ENDF/B-VI.0
W-nat	74000.55c	294.0	rmccs	ENDF/B-V.2
W-182	74182.60c	294.0	endf60	ENDF/B-VI.0
W-183	74183.60c	294.0	endf60	ENDF/B-VI.0
W-184	74184.60c	294.0	endf60	ENDF/B-VI.0
W-186	74186.60c	294.0	endf60	ENDF/B-VI.0
U-233	92233.50c	294.0	rmccs	ENDF/B-V.0
U-233	92233.60c	294.0	endf60	ENDF/B-VI.0
U-234	92234.50c	294.0	endf5p	ENDF/B-V.0
U-234	92234.60c	294.0	endf60	ENDF/B-VI.0
U-235	92235.50c	294.0	rmccs	ENDF/B-V.0
U-235	92235.60c	294.0	endf60	ENDF/B-VI.2
U-236	92236.50c	294.0	endf5p	ENDF/B-V.0
U-236	92236.60c	294.0	endf60	ENDF/B-VI.0
U-238	92238.50c	294.0	rmccs	ENDF/B-V.0
U-238	92238.60c	294.0	endf60	ENDF/B-VI.2
Pu-238	94238.50c	294.0	endf5p	ENDF/B-V.0
Pu-238	94238.60c	294.0	endf60	ENDF/B-VI.0
Pu-239	94239.55c	294.0	rmccs	ENDF/B-V.2
Pu-239	94239.60c	294.0	endf60	ENDF/B-VI.2
Pu-240	94240.50c	294.0	rmccs	ENDF/B-V.0
Pu-240	94240.60c	294.0	endf60	ENDF/B-VI.2
Pu-241	94241.50c	294.0	endf5p	ENDF/B-V.0
Pu-241	94241.60c	294.0	endf60	ENDF/B-VI.1
Pu-242	94242.50c	294.0	endf5p	ENDF/B-V.0
Pu-242	94242.60c	294.0	endf60	ENDF/B-VI.0
Am-241	95241.50c	294.0	endf5u	ENDF/B-V.0
Am-241	95241.60c	294.0	endf60	LANL/T-2

* nat = natural element composition

The weight fraction, or atomic fraction, of constituent isotopes was specified for the elements iron, nickel, chromium, copper, and tungsten when using the WPO-Selected and ENDF/B-VI cross-section libraries, as opposed to the use of single natural elements in the original calculations. Equations 5.1-1 and 5.1-2 were used to calculate the isotopic weight fractions for the constituent natural elements. The atomic masses and natural abundance values used were taken from pages 20 through 47 of Reference 7.5.

Equation 5.1-1. Weight Fraction of Isotope in the Natural Element

$$\left(\begin{array}{l} \text{Weight Fraction} \\ \text{of Isotope } i \text{ in the} \\ \text{Natural Element} \end{array} \right) = \frac{(\text{Atomic Mass of Isotope } i)(\text{Atom Percent of Isotope } i \text{ in Natural Element})}{\sum_{i=1}^I (\text{Atomic Mass of Isotope } i)(\text{Atom Percent of Isotope } i \text{ in Natural Element})}$$

where (I) is the total number of isotopes in the natural element.

Equation 5.1-2. Weight Percent of Isotope in Material Composition

$$\left(\begin{array}{l} \text{Weight Percent} \\ \text{of Isotope } i \text{ in} \\ \text{Material Composition} \end{array} \right) = \left(\begin{array}{l} \text{Weight Fraction} \\ \text{of Isotope } i \text{ in the} \\ \text{Natural Element} \end{array} \right) \left(\begin{array}{l} \text{Reference Weight Percent of} \\ \text{Element in Material Composition} \end{array} \right)$$

5.2 DESCRIPTION

After the MCNP input files were changed, they were used in the MCNP analyses of 354 experiments. These include the sixteen additional ²³³U calculations. Twenty-two (22) of the IECT cases did not have to be run using the WPO-Selected cross section library since they contained elements and/or isotopes identical to the ENDF/B-V cross section library cases. These cases were IECT101 through IECT116 and IECT120 through IECT125.

5.3 PROCEDURE

The following data were taken from the MCNP output files:

- 1) The effective neutron multiplication factor – k_{eff}
- 2) The standard deviation – sigma (σ)
- 3) The Average Energy of a Neutron Causing Fission – AENCF (listed in MeV)
(In the problem summary table of the MCNP output, the AENCF is the ratio of the energy for "loss to fission" divided by the weight for "loss to fission.")

6. RESULTS

The results of the LCE reactivity calculations are presented in Table 6-1. The k_{eff} results represent the average combined collision, absorption, and track-length estimator from the MCNP calculations. The standard deviation (σ) represents the standard deviation of k_{eff} about the average combined collision, absorption, and track-length estimate due to the Monte Carlo calculation statistics.

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
1	pnl3187	0.99821	0.00116	0.04158	0.99762	0.00116	0.04174	0.98843	0.00105	0.04181
2	pnl3391	0.99318	0.00112	0.04075	0.99425	0.00116	0.04105	0.98609	0.00104	0.04130
3	pnl3492	0.99619	0.00113	0.04386	0.99754	0.00116	0.04313	0.98923	0.00119	0.04361
4	pnl3593	0.99694	0.00121	0.04614	0.99727	0.00111	0.04586	0.99095	0.00108	0.04649
5	pnl3694	1.00275	0.00113	0.04483	1.00255	0.00118	0.04452	0.99364	0.00116	0.04427
6	pnl3795	1.00302	0.00117	0.03965	1.00166	0.00116	0.04000	0.99703	0.00119	0.03983
7	pnl3808	1.00178	0.00095	0.02059	1.00195	0.00113	0.02130	0.9928	0.00107	0.02061
8	pnl3896	1.00263	0.00110	0.02357	1.00235	0.00124	0.02319	0.99527	0.00113	0.02353
9	pnl3897	1.00323	0.00125	0.01447	1.00449	0.00105	0.01420	0.99639	0.00104	0.01426
10	pnl3898	1.00297	0.00118	0.02973	1.00287	0.00104	0.02994	0.99728	0.00116	0.03000
11	pnl3999	1.00707	0.00108	0.02933	1.00919	0.00107	0.02959	1.00133	0.00117	0.02906
12	pnl5300	1.00670	0.00105	0.02917	1.008	0.0011	0.02884	1.00106	0.00102	0.02891
13	pnl1158	1.00686	0.00067	0.00393	1.00691	0.00065	0.00384	1.00301	0.00065	0.00386
14	pnl1159	1.00558	0.00064	0.00380	1.00735	0.00062	0.00370	1.00244	0.00069	0.00390
15	pnl1161	1.00751	0.00066	0.00597	1.0079	0.00067	0.00607	1.00033	0.0006	0.00605
16	awre1	1.01511	0.00120	0.03133	1.01469	0.00103	0.03153	1.00516	0.00127	0.03133
17	awre2	1.01167	0.00117	0.03206	1.01568	0.00115	0.03149	1.00467	0.00115	0.03199
18	awre3	1.01028	0.00114	0.03183	1.01203	0.0012	0.03197	1.00181	0.00117	0.03253
19	awre4	1.00486	0.00111	0.03228	1.0051	0.00118	0.03189	0.9984	0.0011	0.03207
20	awre5	1.00875	0.00101	0.01062	1.00847	0.001	0.01043	1.00019	0.00107	0.01028
21	awre6	1.01337	0.00108	0.01053	1.01067	0.00103	0.01035	1.00588	0.00107	0.01041
22	awre7	1.00640	0.00102	0.01089	1.00796	0.00099	0.01050	0.99924	0.00101	0.01046
23	awre8	1.01255	0.00091	0.00684	1.01284	0.00083	0.00686	1.00379	0.00079	0.00682
24	awre9	1.00977	0.00088	0.00684	1.0094	0.00092	0.00661	1.00207	0.00094	0.00692
25	awre10	1.00839	0.00081	0.00648	1.01024	0.00084	0.00662	1.00221	0.00088	0.00652
26	pnl1577	0.99645	0.00128	0.05956	0.99578	0.00122	0.05887	0.98992	0.00125	0.05858
27	pnl1678	0.99976	0.00115	0.05069	0.99735	0.00115	0.05044	0.98991	0.00125	0.05119

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
28	pnl1783	0.99976	0.00115	0.05386	0.99922	0.00118	0.05337	0.99258	0.00124	0.05330
29	pnl1868	1.00247	0.00119	0.03416	1.0039	0.00127	0.03434	0.99364	0.00127	0.03450
30	pnl1969	0.99967	0.00111	0.03360	1.00003	0.0012	0.03340	0.98934	0.00128	0.03334
31	pnl2070	0.99925	0.00115	0.03743	0.99956	0.00143	0.03770	0.99312	0.00133	0.03853
32	pnl2565	1.00363	0.00112	0.01295	1.00148	0.00123	0.01294	0.99786	0.00119	0.01298
33	pnl2666	1.00337	0.00105	0.01160	1.00179	0.00112	0.01169	0.99694	0.00109	0.01169
34	pnl2767	1.00629	0.00113	0.01197	1.00607	0.00113	0.01230	0.99664	0.00113	0.01216
35	pust1t1	1.00995	0.00102	0.01252	1.01064	0.00101	0.01260	1.00058	0.00102	0.01301
36	pust1t2	1.01109	0.00100	0.01702	1.01278	0.001	0.01722	1.00408	0.00104	0.01715
37	pust1t3	1.01396	0.00094	0.02159	1.01447	0.00105	0.02086	1.00692	0.00106	0.02172
38	pust1t4	1.00643	0.00104	0.02397	1.00766	0.00105	0.02374	0.99921	0.00107	0.02405
39	pust1t5	1.01014	0.00101	0.02479	1.01107	0.00099	0.02464	1.00222	0.00103	0.02514
40	pust1t6	1.00831	0.00104	0.04809	1.01003	0.00104	0.04883	1.00585	0.00105	0.04810
41	pu003-1	1.00962	0.00091	0.00623	1.0089	0.0009	0.00634	1.00208	0.00095	0.00631
42	pu003-2	1.00885	0.00091	0.00651	1.00764	0.00091	0.00655	1.00029	0.00091	0.00664
43	pu003-3	1.01228	0.00092	0.006925	1.0116	0.00095	0.00696	1.00324	0.00097	0.00711
44	pu003-4	1.00965	0.00094	0.00720	1.01162	0.00097	0.00723	1.00401	0.00092	0.00731
45	pu003-5	1.01393	0.00092	0.00785	1.01162	0.00091	0.00772	1.00371	0.0009	0.00736
46	pu003-6	1.01214	0.00091	0.00845	1.01275	0.00097	0.00858	1.00425	0.00094	0.00863
47	pu003-7	1.01369	0.00093	0.00678	1.01438	0.00092	0.00669	1.00545	0.00092	0.00667
48	pu003-8	1.01175	0.00095	0.00703	1.01194	0.00093	0.00681	1.00196	0.00096	0.00700
49	pu004-1	1.01134	0.00088	0.00524	1.01168	0.00086	0.00515	1.00302	0.00087	0.00521
50	pu004-2	1.00448	0.00082	0.00541	1.00671	0.00085	0.00534	0.99646	0.00095	0.00517
51	pu004-3	1.00916	0.00087	0.00538	1.0087	0.00091	0.00555	0.9994	0.00085	0.00542
52	pu004-4	1.00712	0.00086	0.00561	1.00559	0.0009	0.00563	0.99678	0.00094	0.00569
53	pu004-5	1.00753	0.00091	0.00543	1.00684	0.00088	0.00544	1.00082	0.00087	0.00538
54	pu004-6	1.00862	0.00087	0.00564	1.00867	0.00089	0.00572	1.00092	0.00088	0.00549

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
55	pu004-7	1.01248	0.00090	0.00560	1.01179	0.00086	0.00582	1.00513	0.00087	0.00582
56	pu004-8	1.00778	0.00086	0.00620	1.00786	0.00088	0.00593	0.99815	0.00089	0.00599
57	pu004-9	1.00965	0.00089	0.00619	1.0091	0.00087	0.00615	0.99749	0.00089	0.00643
58	pu005-1	1.00860	0.00088	0.00571	1.00871	0.00089	0.00568	1.00322	0.00087	0.00583
59	pu005-2	1.00908	0.00088	0.00589	1.01075	0.00091	0.00579	0.99995	0.00088	0.00587
60	pu005-3	1.01116	0.00091	0.00620	1.01227	0.00087	0.00622	1.00236	0.00092	0.00614
61	pu005-4	1.01197	0.00093	0.00664	1.01183	0.00088	0.00678	1.00279	0.00088	0.00665
62	pu005-5	1.01367	0.00090	0.00723	1.01254	0.00088	0.00725	1.00389	0.00093	0.00758
63	pu005-6	1.01020	0.00095	0.00766	1.01279	0.00092	0.00780	1.00338	0.00092	0.00771
64	pu005-7	1.01073	0.00094	0.00838	1.01031	0.00094	0.00837	1.00194	0.00093	0.00845
65	pu005-8	1.00799	0.00091	0.00593	1.00559	0.0009	0.00608	0.99915	0.00089	0.00600
66	pu005-9	1.01023	0.00089	0.00631	1.00929	0.00086	0.00638	0.99937	0.00088	0.00618
67	pu007-2	1.01024	0.00102	0.04021	1.01358	0.00109	0.04098	1.00561	0.00106	0.04120
68	pu007-3	1.00591	0.00111	0.03928	1.00535	0.00104	0.03969	0.99948	0.00105	0.03932
69	pu007-5	1.01502	0.00106	0.01764	1.01438	0.00102	0.01754	1.00665	0.00104	0.01758
70	pu007-6	1.00873	0.00101	0.01799	1.00808	0.00106	0.01773	1.00134	0.001	0.01757
71	pu007-7	1.01053	0.00103	0.01783	1.01039	0.00105	0.01770	1.00333	0.00101	0.01747
72	pu007-8	1.00254	0.00103	0.01810	1.00512	0.00102	0.01796	0.99316	0.00105	0.01783
73	pu007-9	1.00327	0.00106	0.01815	1.00267	0.00108	0.01795	0.99427	0.00106	0.01774
74	pu04-10	1.00987	0.00092	0.00715	1.00979	0.00092	0.00720	1.00196	0.00093	0.00734
75	pu04-11	1.00950	0.00092	0.00805	1.00799	0.00096	0.00849	0.99716	0.00092	0.00836
76	pu04-12	1.01108	0.00087	0.00594	1.01028	0.00092	0.00573	1.0028	0.00087	0.00572
77	pu04-13	1.00856	0.00091	0.00579	1.00634	0.00089	0.00574	0.99942	0.00091	0.00585
78	pu07-10	1.00706	0.00104	0.01653	1.00643	0.00101	0.01711	0.99653	0.00106	0.01620
79	pu10091	1.02337	0.00101	0.01675	1.02188	0.00105	0.01658	1.01378	0.00102	0.01672
80	pu10092	1.02091	0.00097	0.01299	1.01932	0.00103	0.01270	1.01053	0.00097	0.01272
81	pu10093	1.01316	0.00097	0.00994	1.01428	0.00099	0.00930	1.00474	0.00096	0.00969

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
82	pu10111	1.01879	0.00099	0.01001	1.01833	0.00095	0.01026	1.01211	0.00102	0.00985
83	pu10112	1.01543	0.00098	0.00873	1.01691	0.00096	0.00888	1.00964	0.00097	0.00862
84	pu10113	1.01615	0.00092	0.00852	1.01378	0.00097	0.00867	1.00701	0.00097	0.00876
85	pu10114	1.00903	0.00091	0.00790	1.00854	0.00093	0.00798	0.99799	0.00096	0.00810
86	pu10115	1.01069	0.00093	0.00755	1.01003	0.0009	0.00753	1.00213	0.00093	0.00734
87	pu10116	1.01992	0.00101	0.01114	1.01922	0.001	0.01109	1.01027	0.00102	0.01128
88	pu10117	1.01146	0.00092	0.00879	1.00973	0.001	0.00901	1.0005	0.00094	0.00920
89	pu10121	1.01560	0.00097	0.00896	1.01726	0.00096	0.00892	1.00876	0.00094	0.00896
90	pu10122	1.01616	0.00095	0.00776	1.0153	0.00098	0.00795	1.0067	0.00096	0.00776
91	pu10123	1.02352	0.00094	0.00691	1.02207	0.00095	0.00671	1.01591	0.00093	0.00699
92	pu10124	1.01642	0.00087	0.00610	1.01695	0.00089	0.00594	1.00717	0.0009	0.00599
93	pu11161	1.01661	0.00103	0.00738	1.01669	0.00101	0.00737	1.0111	0.001	0.00744
94	pu11162	1.02377	0.00101	0.00777	1.02064	0.00103	0.00759	1.01343	0.00098	0.00773
95	pu11163	1.02224	0.00101	0.00827	1.02545	0.001	0.00829	1.01656	0.00104	0.00794
96	pu11164	1.01688	0.00105	0.00845	1.01704	0.00101	0.00851	1.00895	0.00101	0.00808
97	pu11165	1.01338	0.00104	0.00973	1.01318	0.00104	0.00955	1.00576	0.00102	0.00988
98	pu11181	1.00169	0.00089	0.00505	1.00317	0.00088	0.00501	0.99468	0.00091	0.00503
99	pu11182	1.00680	0.00088	0.00549	1.00894	0.00091	0.00527	1.00073	0.00088	0.00510
100	pu11183	1.00336	0.00097	0.00514	1.0051	0.00091	0.00528	0.99776	0.00092	0.00512
101	pu11184	1.00285	0.00088	0.00547	1.00198	0.00088	0.00525	0.99428	0.00087	0.00545
102	pu11185	1.01131	0.00093	0.00593	1.00964	0.00095	0.00588	1.0044	0.00089	0.00574
103	pu11186	1.00796	0.00097	0.00633	1.00717	0.00094	0.00634	1.00011	0.00093	0.00620
104	pu11187	1.00792	0.00088	0.00548	1.00729	0.00091	0.00540	0.99943	0.00087	0.00533
105	pust9-1	1.01886	0.00088	0.00257	1.01992	0.00082	0.00294	1.01103	0.00074	0.00259
106	pust9-2	1.02390	0.00089	0.00266	1.02331	0.00083	0.00262	1.01723	0.00078	0.00259
107	pust9-3	1.02176	0.00089	0.00246	1.0209	0.00083	0.00251	1.01755	0.00076	0.00245
108	hest1-1	1.00187	0.00144	0.01576	1.00241	0.00131	0.01582	0.99683	0.00138	0.01567

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
109	hest110	0.99468	0.00178	0.00757	0.99468	0.00178	0.00757	0.98954	0.0018	0.00758
110	hest1-2	0.99948	0.00208	0.03857	0.99816	0.00209	0.03873	0.99891	0.00208	0.03779
111	hest1-3	1.00453	0.00199	0.01546	1.00453	0.00199	0.01546	1.00161	0.00194	0.01565
112	hest131	1.00138	0.00053	0.00265	1.00135	0.0005	0.00267	0.99705	0.00055	0.00260
113	hest132	1.00020	0.00057	0.00307	1.0002	0.00057	0.00307	0.99678	0.00056	0.00307
114	hest133	0.99521	0.00060	0.00361	0.99689	0.00065	0.00378	0.99282	0.0006	0.00354
115	hest134	0.99824	0.00066	0.00379	0.99777	0.00061	0.00374	0.99519	0.00062	0.00381
116	hest1-4	1.00130	0.00203	0.04050	1.0013	0.00203	0.04050	1.00107	0.00216	0.03945
117	hest141	0.99801	0.00121	0.00727	0.99854	0.00119	0.00716	0.99204	0.00126	0.00708
118	hest142	1.01252	0.00121	0.00737	1.01307	0.00115	0.00730	1.00965	0.00106	0.00710
119	hest143	1.02159	0.00102	0.00791	1.02137	0.00109	0.00775	1.01882	0.00109	0.00756
120	hest1-5	1.00361	0.00166	0.00651	1.00361	0.00166	0.00651	0.99849	0.00159	0.00619
121	hest151	1.00390	0.00136	0.01047	1.0058	0.00123	0.01056	0.99834	0.00128	0.01048
122	hest152	0.99502	0.00126	0.01009	0.99295	0.00125	0.00998	0.98944	0.00128	0.00992
123	hest153	1.00999	0.00127	0.01127	1.00874	0.0012	0.01127	1.00941	0.00121	0.01122
124	hest154	1.01658	0.00121	0.01077	1.01579	0.00115	0.01040	1.01185	0.00122	0.01032
125	hest155	1.01218	0.00104	0.01110	1.01277	0.00116	0.01133	1.01178	0.00112	0.01077
126	hest1-6	1.01038	0.00187	0.00678	1.01038	0.00187	0.00678	1.00073	0.00177	0.00712
127	hest161	0.99346	0.00131	0.01517	0.9922	0.00137	0.01513	0.98628	0.00129	0.01531
128	hest162	1.01032	0.00125	0.01500	1.01098	0.00122	0.01539	1.01039	0.0013	0.01487
129	hest163	1.02295	0.00114	0.01597	1.02046	0.00119	0.01608	1.01723	0.00122	0.01593
130	hest1-7	1.00230	0.00201	0.01501	1.0023	0.00201	0.01501	0.99985	0.002	0.01526
131	hest171	0.99660	0.00132	0.01890	0.99352	0.00125	0.01892	0.9909	0.00118	0.01885
132	hest172	0.98362	0.00126	0.02095	0.98387	0.0015	0.02097	0.97993	0.00126	0.02095
133	hest173	0.98345	0.00139	0.02004	0.98507	0.00134	0.01969	0.97985	0.00141	0.01969
134	hest174	1.00204	0.00132	0.01939	1.0036	0.00131	0.01947	1.0005	0.00134	0.01877
135	hest175	1.01159	0.00124	0.01994	1.01001	0.00121	0.01973	1.00821	0.00124	0.01927

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
136	hest176	1.00677	0.00127	0.02209	1.00653	0.00109	0.02183	1.00388	0.00138	0.02132
137	hest177	1.01209	0.00105	0.02045	1.01111	0.00121	0.02087	1.00984	0.00129	0.02007
138	hest178	1.00635	0.00123	0.02216	1.00409	0.00112	0.02210	1.00346	0.00122	0.02201
139	hest1-8	1.00505	0.00213	0.01610	1.00505	0.00213	0.01610	0.99318	0.0021	0.01608
140	hest181	0.99334	0.00136	0.02844	0.99364	0.00143	0.02846	0.9897	0.00125	0.02783
141	hest182	0.99132	0.00135	0.03152	0.99331	0.00142	0.03121	0.99139	0.00122	0.03053
142	hest183	0.99434	0.00143	0.02990	0.99025	0.00136	0.02976	0.98874	0.00132	0.02927
143	hest184	1.00191	0.00118	0.02895	1.00177	0.00133	0.02919	0.99834	0.00125	0.02829
144	hest185	0.99568	0.00142	0.03266	0.99727	0.00141	0.03274	0.9937	0.00142	0.03222
145	hest186	0.99667	0.00136	0.03066	0.99699	0.00129	0.03086	0.99258	0.00135	0.03063
146	hest187	1.01176	0.00134	0.02968	1.01204	0.00118	0.02988	1.00895	0.00119	0.02915
147	hest188	1.01178	0.00128	0.03335	1.01266	0.00117	0.03286	1.01154	0.00133	0.03256
148	hest189	1.00973	0.00118	0.03088	1.00855	0.00114	0.03109	1.00848	0.00127	0.03024
149	hest1-9	0.99973	0.00212	0.04099	0.99973	0.00212	0.04099	0.99817	0.00193	0.03977
150	hest191	1.00280	0.00121	0.04262	1.00102	0.00129	0.04249	1.00146	0.00133	0.04157
151	hest192	1.00401	0.00127	0.03920	1.00497	0.00116	0.03928	1.0043	0.00132	0.03851
152	hest193	0.99925	0.00111	0.04147	1.00044	0.00122	0.04166	0.99996	0.0012	0.04099
153	hest2-1	1.00513	0.00146	0.01551	1.00548	0.00148	0.01558	1.00211	0.00144	0.01534
154	hest210	1.00549	0.00185	0.00660	1.00937	0.00202	0.00663	0.99938	0.00196	0.00674
155	hest211	1.00568	0.00224	0.01551	1.00875	0.00211	0.01595	1.00142	0.00216	0.01577
156	hest212	1.00870	0.00235	0.01436	1.0127	0.00209	0.01487	1.00489	0.00211	0.01480
157	hest213	1.00564	0.00234	0.03703	0.99869	0.00232	0.03676	1.00223	0.0025	0.03659
158	hest214	1.00965	0.00238	0.03355	1.01062	0.00238	0.03377	1.0051	0.00232	0.03363
159	hest2-2	1.01236	0.00218	0.01507	1.00773	0.00235	0.01516	1.00627	0.00237	0.01434
160	hest2-3	1.00368	0.00239	0.03587	1.00219	0.0022	0.03740	0.99713	0.00256	0.03639
161	hest2-4	1.01063	0.00219	0.03460	1.00809	0.00242	0.03541	1.00836	0.00213	0.03443
162	hest2-5	1.00601	0.00213	0.01580	1.01049	0.0023	0.01622	1.00531	0.00217	0.01588

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
163	hest2-6	1.01719	0.00228	0.01469	1.00968	0.00215	0.01496	1.00976	0.00233	0.01493
164	hest2-7	1.00383	0.00217	0.03659	1.00691	0.00224	0.03747	0.99994	0.00248	0.03548
165	hest2-8	1.00883	0.00244	0.03423	1.01131	0.00206	0.03511	1.00552	0.0026	0.03454
166	hest2-9	1.00270	0.00204	0.00707	1.00348	0.00209	0.00654	0.9992	0.00201	0.00658
167	hest310	1.00102	0.00243	0.03817	1.00102	0.00243	0.03817	0.99709	0.00238	0.03810
168	hest311	1.00606	0.00232	0.03566	1.00606	0.00232	0.03566	1.00244	0.00231	0.03476
169	hest312	1.00740	0.00204	0.00651	1.0074	0.00204	0.00651	1.00061	0.00233	0.00715
170	hest313	1.00045	0.00185	0.00654	1.00045	0.00185	0.00654	1.00074	0.00183	0.00634
171	hest314	1.00822	0.00205	0.00704	1.00822	0.00205	0.00704	0.99809	0.00207	0.00680
172	hest315	0.99620	0.00186	0.00718	0.99675	0.0015	0.00704	0.9936	0.00143	0.00712
173	hest316	1.00356	0.00241	0.01593	1.00356	0.00241	0.01593	0.99192	0.00238	0.01574
174	hest317	1.00604	0.00213	0.01498	1.00604	0.00213	0.01498	1.00364	0.00237	0.01490
175	hest318	1.00007	0.00225	0.03842	1.00007	0.00225	0.03842	0.99356	0.00225	0.03806
176	hest319	1.01306	0.00225	0.03414	1.01306	0.00225	0.03414	1.00837	0.00213	0.03313
177	hest710	1.01186	0.00111	0.00860	1.01265	0.00111	0.00867	1.01111	0.00117	0.00848
178	hest711	1.00896	0.00124	0.03513	1.00917	0.00132	0.03589	1.00973	0.00131	0.03483
179	hest712	1.00746	0.00106	0.00855	1.00743	0.00111	0.00846	1.00327	0.0011	0.00844
180	hest713	1.00897	0.00120	0.03520	1.01049	0.00129	0.03494	1.01233	0.0012	0.03392
181	hest714	1.00811	0.00126	0.03617	1.00917	0.00132	0.03556	1.00837	0.00115	0.03517
182	hest715	1.00388	0.00134	0.03574	1.00378	0.00134	0.03612	1.00836	0.00119	0.03536
183	hest716	1.00658	0.00122	0.03632	1.00937	0.00129	0.03620	1.00585	0.00128	0.03589
184	hest717	1.00756	0.00124	0.03583	1.00651	0.00133	0.03650	1.00785	0.00124	0.03556
185	hest813	1.00616	0.00190	0.03558	1.00331	0.002	0.03616	1.00096	0.00098	0.03511
186	heust31	1.00665	0.00211	0.00657	1.00638	0.00189	0.00676	0.99825	0.00196	0.00682
187	heust32	1.00723	0.00206	0.00677	1.00635	0.002	0.00688	0.99973	0.00215	0.00702
188	heust33	1.00774	0.00240	0.01628	1.00317	0.00235	0.01580	1.00172	0.00241	0.01538
189	heust34	1.00491	0.00208	0.01539	1.00447	0.00249	0.01541	1.0022	0.00221	0.01494

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
190	heust35	0.99683	0.00230	0.03804	1.00436	0.00221	0.03818	0.99927	0.00243	0.03670
191	heust36	1.00523	0.00210	0.03538	1.00427	0.00241	0.03573	1.00274	0.00239	0.03419
192	heust37	1.00585	0.00173	0.00685	1.00585	0.00173	0.00685	0.99568	0.00184	0.00651
193	heust38	1.01086	0.00202	0.01639	1.01086	0.00202	0.01639	1.00251	0.00227	0.01597
194	heust39	1.01063	0.00204	0.01512	1.01063	0.00204	0.01512	0.99982	0.00216	0.01501
195	heust71	1.01399	0.00115	0.00703	1.01081	0.00101	0.00702	1.01043	0.00117	0.00708
196	heust72	1.01391	0.00133	0.03607	1.01474	0.0013	0.03612	1.01458	0.00123	0.03545
197	heust73	1.00773	0.00101	0.00713	1.00692	0.00107	0.00687	1.00283	0.00103	0.00687
198	heust74	1.01250	0.00123	0.03510	1.01389	0.00125	0.03540	1.01277	0.00128	0.03466
199	heust75	1.00867	0.00101	0.00840	1.00713	0.00115	0.00836	1.00215	0.00111	0.00815
200	heust76	1.00684	0.00136	0.03767	1.00493	0.00146	0.03792	1.00446	0.00129	0.03720
201	heust77	1.00792	0.00110	0.00843	1.00635	0.00103	0.00829	1.00006	0.00117	0.00811
202	heust78	1.00333	0.00128	0.03825	1.00478	0.00135	0.03823	1.0032	0.00134	0.03757
203	heust79	1.00834	0.00114	0.00899	1.00519	0.00123	0.00883	1.00464	0.00129	0.00855
204	heust81	1.00193	0.00138	0.00666	1.00316	0.00134	0.00661	0.99928	0.0012	0.00651
205	heust83	0.99730	0.00190	0.00644	0.9973	0.0019	0.00644	0.99185	0.00116	0.00642
206	heust86	1.00890	0.00221	0.03785	1.00969	0.0023	0.03669	1.00546	0.00215	0.03642
207	heust89	1.00274	0.00129	0.00643	1.00373	0.00116	0.00660	0.9977	0.00115	0.00610
208	hst1810	1.02605	0.00121	0.03443	1.02526	0.00114	0.03464	1.02652	0.00132	0.03392
209	hst1811	1.02880	0.00115	0.03182	1.02814	0.00115	0.03203	1.02612	0.00102	0.03183
210	hst1812	1.01997	0.00093	0.03276	1.01861	0.00101	0.03353	1.02152	0.00115	0.03246
211	hxst142	1.01323	0.00123	0.00740	1.01307	0.00115	0.00730	1.00955	0.00106	0.00713
212	hxst143	1.01957	0.00116	0.00750	1.01953	0.00105	0.00781	1.02047	0.00113	0.00746
213	hxst153	1.01040	0.00130	0.01138	1.00874	0.0012	0.01127	1.00941	0.00121	0.01122
214	hxst154	1.01676	0.00121	0.01071	1.01453	0.00121	0.01056	1.01193	0.00107	0.01030
215	hxst155a	1.01110	0.00114	0.01128	1.00925	0.00103	0.01112	1.00996	0.00121	0.01100
216	hxst162	1.01084	0.00123	0.01487	1.00991	0.00126	0.01520	1.00878	0.00128	0.01471

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
217	hxst163	1.02295	0.00114	0.01597	1.01915	0.00126	0.01625	1.01933	0.00114	0.01609
218	hxst174	1.00228	0.00127	0.01935	1.0036	0.00131	0.01947	0.99792	0.00125	0.01915
219	hxst175	1.01254	0.00128	0.01968	1.01033	0.00117	0.01940	1.00629	0.00117	0.01927
220	hxst178	1.00609	0.00119	0.02213	1.00537	0.00115	0.02178	1.00357	0.0011	0.02196
221	hxst184	1.00041	0.00115	0.02892	1.00149	0.00127	0.02925	0.99742	0.00122	0.02839
222	hxst187	1.01176	0.00134	0.02968	1.01204	0.00118	0.02988	1.00895	0.00119	0.02915
223	hxst192	1.00415	0.00126	0.03939	1.00187	0.00126	0.03923	1.00305	0.00134	0.03842
224	hxst193	0.99868	0.00117	0.04143	1.00049	0.00117	0.04126	0.99891	0.0013	0.04065
225	hxt1810	1.02614	0.00121	0.03462	1.02528	0.00126	0.03491	1.02416	0.00129	0.03394
226	hxt1812	1.02064	0.00104	0.03308	1.0221	0.00118	0.03353	1.02061	0.00114	0.03201
227	IECT101	0.99735	0.00092	0.21679	0.99735	0.00092	0.216791	1.01062	0.00088	0.21085
228	IECT102	0.99601	0.00092	0.15817	0.99601	0.00092	0.15817	1.00748	0.00097	0.15427
229	IECT103	0.99305	0.00104	0.10412	0.99305	0.00104	0.10412	1.0024	0.00103	0.10243
230	IECT104	0.99735	0.00105	0.07405	0.99735	0.00105	0.07405	1.00316	0.00102	0.07270
231	IECT105	1.00847	0.00091	0.04552	1.00847	0.00091	0.04552	1.00785	0.00082	0.04520
232	IECT106	1.00026	0.00103	0.10793	1.00026	0.00103	0.10793	1.00871	0.00099	0.10467
233	IECT107	0.998	0.00101	0.11064	0.998	0.00101	0.11064	1.00645	0.00099	0.10997
234	IECT108	0.99604	0.00101	0.11867	0.99604	0.00101	0.11867	1.00358	0.00088	0.11611
235	IECT109	1.00043	0.00084	0.16790	1.00043	0.00084	0.16790	1.01287	0.00094	0.16326
236	IECT110	0.99672	0.00099	0.15756	0.99672	0.00099	0.15756	1.00845	0.00097	0.15359
237	IECT111	0.99579	0.00096	0.15732	0.99579	0.00096	0.15732	1.00818	0.00105	0.15255
238	IECT112	0.99642	0.00101	0.15568	0.99642	0.00101	0.15568	1.00601	0.00095	0.15347
239	IECT113	0.99674	0.00103	0.07430	0.99674	0.00103	0.07430	1.00295	0.00096	0.07350
240	IECT114	0.99787	0.00094	0.07375	0.99787	0.00094	0.07375	1.00358	0.00098	0.07261
241	IECT115	0.99811	0.00099	0.07400	0.99811	0.00099	0.07400	1.00365	0.001	0.07309
242	IECT116	1.0021	0.00093	0.05547	1.0021	0.00093	0.05547	1.00414	0.00092	0.05435
243	IECT117	0.99503	0.00113	0.20838	0.99651	0.00102	0.20814	1.01029	0.00102	0.20117

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
244	IECT118	0.99852	0.00104	0.13376	0.99756	0.00113	0.13428	1.00986	0.00106	0.13125
245	IECT119	1.00255	0.00089	0.06026	1.0045	0.00101	0.06114	1.00479	0.00096	0.06006
246	IECT120	1.0005	0.00094	0.15539	1.0005	0.00094	0.15539	1.01303	0.00101	0.15118
247	IECT121	0.99884	0.00087	0.21334	0.99884	0.00087	0.21334	1.01392	0.00088	0.20757
248	IECT122	0.999	0.00109	0.19772	0.999	0.00109	0.19772	1.01168	0.00102	0.19125
249	IECT123	0.99516	0.00107	0.12826	0.99516	0.00107	0.12826	1.00429	0.00111	0.12582
250	iect124a	1.00036	0.00105	0.13305	1.00036	0.00105	0.13305	1.0123	0.001	0.12898
251	IECT125	0.99874	0.0009	0.05992	0.99874	0.0009	0.05992	1.00527	0.00096	0.05891
252	IECT126	1.0057	0.00099	0.05695	1.00443	0.00095	0.05663	1.00838	0.00089	0.05559
253	IECT127	1.00328	0.00084	0.05616	1.0032	0.00086	0.05633	1.00637	0.00094	0.05607
254	IECT128	1.00637	0.00095	0.15830	1.00506	0.00091	0.15824	1.01497	0.00092	0.15360
255	IECT129	1.00472	0.001	0.15103	1.00123	0.00099	0.15184	1.01219	0.00098	0.14720
256	leuja01	1.00425	0.00085	0.01896	1.00354	0.00076	0.01899	0.99826	0.00091	0.01905
257	leuja14	0.99755	0.00094	0.02001	0.99809	0.00094	0.01991	0.9941	0.0009	0.01939
258	leuja29	1.00377	0.00082	0.01806	1.00452	0.00087	0.01811	0.99854	0.00081	0.01760
259	leuja30	0.99885	0.00086	0.01881	1.00084	0.00083	0.01870	0.99687	0.00091	0.01845
260	leuja32	1.00143	0.00086	0.01757	0.9992	0.00088	0.01770	0.99529	0.00088	0.01733
261	leuja33	0.99961	0.00090	0.01662	1.00169	0.00084	0.01681	0.99687	0.00077	0.01661
262	leuja34	1.00290	0.00079	0.01590	1.00277	0.00092	0.01607	1.00017	0.00069	0.01602
263	leuja36	1.00185	0.00084	0.01665	1.00081	0.0008	0.01651	0.99742	0.0008	0.01640
264	leuja46	1.00311	0.00080	0.01535	1.00433	0.00081	0.01556	0.99972	0.00073	0.01536
265	leuja49	0.99875	0.00078	0.01593	0.99861	0.00072	0.01590	0.9957	0.00084	0.01554
266	leuja51	1.00279	0.00070	0.01479	1.00337	0.00071	0.01493	0.99795	0.00078	0.01461
267	leuja54	1.00246	0.00072	0.01440	1.00101	0.00067	0.01417	0.99904	0.00064	0.01428
268	leust21	0.99892	0.00053	0.02487	0.99855	0.00058	0.02513	0.99532	0.00056	0.02492
269	leust22	0.99469	0.00061	0.02832	0.99659	0.00064	0.02830	0.991	0.00067	0.02802
270	leust23	1.00078	0.00057	0.02665	1.0009	0.0006	0.02684	0.99624	0.00058	0.02615

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
271	exp1e5	1.00084	0.00088	0.12095	0.99958	0.00087	0.12037	0.99657	0.00093	0.12075
272	exp2e5	0.99842	0.00088	0.12469	0.99762	0.00086	0.12291	0.99351	0.00097	0.12334
273	exp3e5	0.99898	0.00089	0.12172	1.00103	0.00091	0.12005	0.99613	0.00095	0.12083
274	exp4e5	1.00104	0.00087	0.12003	1.00241	0.00091	0.12057	0.99582	0.0009	0.12186
275	exp5e5	1.00037	0.00107	0.27968	0.9969	0.00103	0.28386	0.99295	0.00104	0.28018
276	exp6e5	0.99675	0.00103	0.17662	0.99772	0.00105	0.17775	0.9944	0.00111	0.17643
277	exp7e5	0.99724	0.00111	0.17840	0.99821	0.0011	0.17822	0.99144	0.00105	0.17730
278	exp8e5	1.00719	0.00110	0.17735	1.007	0.00102	0.17807	1.0033	0.00105	0.17769
279	exp9e5	1.00827	0.00099	0.22171	1.00687	0.00109	0.22393	1.00496	0.00105	0.22242
280	exp10e5	1.00660	0.00174	0.22390	1.00499	0.00173	0.22250	1.00454	0.00182	0.22149
281	exp11e5	1.00358	0.00157	0.26643	1.00046	0.00177	0.26803	0.99995	0.00162	0.26652
282	exp12e5	1.00546	0.00108	0.19461	1.00113	0.00105	0.19577	1.00189	0.00111	0.19235
283	exp13e5	1.00371	0.00113	0.19421	1.00363	0.00109	0.19365	0.99936	0.00109	0.19360
284	exp14e5	0.99593	0.00099	0.20945	0.99534	0.00099	0.20881	0.98998	0.00099	0.20806
285	exp15e5	1.00074	0.00087	0.10984	1.00105	0.00088	0.10995	0.99603	0.00089	0.10902
286	exp17e5	1.00218	0.00186	0.15637	0.99815	0.00173	0.15534	0.99216	0.00173	0.15603
287	exp18e5	1.00503	0.00167	0.08863	1.00192	0.00168	0.08861	0.99716	0.00169	0.08890
288	core2e5	1.00058	0.00159	0.19988	1.00029	0.00147	0.19859	0.99441	0.00156	0.19779
289	core3e5	1.00019	0.00148	0.18078	0.99991	0.00147	0.18029	0.99389	0.00152	0.17831
290	core4e5	0.99480	0.00150	0.17908	0.99429	0.00157	0.18206	0.99094	0.00149	0.17962
291	core5e5	0.99445	0.00153	0.16919	0.99226	0.00149	0.16804	0.99118	0.00157	0.16845
292	core6e5	0.99556	0.00152	0.17216	0.9924	0.00152	0.17097	0.98847	0.00155	0.17213
293	core7e5	0.99463	0.00151	0.15963	0.99357	0.00153	0.16113	0.99004	0.00155	0.15992
294	core8e5	0.98895	0.00149	0.16496	0.99294	0.00158	0.16116	0.99107	0.00154	0.16043
295	core9e5	0.99298	0.00144	0.15528	0.9939	0.00152	0.15725	0.98803	0.00152	0.15449
296	core10e5	0.99511	0.00148	0.16036	0.99523	0.00147	0.15970	0.99204	0.00146	0.15896
297	core11e5	0.99699	0.00148	0.17893	0.99789	0.00153	0.17801	0.99693	0.00149	0.17822

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{off}	σ	AENCF ^a	k_{off}	σ	AENCF ^a	k_{off}	σ	AENCF ^a
298	core12e5	0.99549	0.00151	0.16671	0.99658	0.00155	0.16770	0.99442	0.00148	0.16679
299	core13e5	0.99933	0.00151	0.18075	0.99594	0.00159	0.17945	0.99702	0.00154	0.17772
300	core15e5	0.99107	0.00157	0.18348	0.98476	0.0015	0.18301	0.98498	0.00151	0.18146
301	core16e5	0.99041	0.00150	0.16952	0.98967	0.00154	0.17030	0.98719	0.00162	0.16862
302	core17e5	0.99365	0.00151	0.18187	0.99534	0.00148	0.18122	0.98957	0.00153	0.18184
303	core18e5	0.99470	0.00150	0.16855	0.9938	0.0016	0.16945	0.98602	0.00155	0.16933
304	core19e5	0.99383	0.00153	0.18354	0.99637	0.00146	0.18256	0.98955	0.00159	0.18185
305	core20e5	0.99392	0.00151	0.16933	0.99247	0.00157	0.17024	0.98777	0.00151	0.17006
306	core21e5	0.99160	0.00140	0.16225	0.99318	0.00146	0.16143	0.99135	0.00152	0.16011
307	ugd10e5	0.99790	0.00144	0.20110	1.00115	0.00145	0.20029	0.99696	0.00151	0.19695
308	ugd12e5	0.99940	0.00161	0.20965	1.00178	0.00146	0.20785	1.00134	0.00149	0.20880
309	ugd13e5	1.00049	0.00155	0.20841	0.99887	0.00166	0.20937	1.00037	0.00148	0.20660
310	ugd14e5	1.00066	0.00156	0.20416	1.00069	0.00144	0.20585	0.99761	0.00153	0.20711
311	ugd15e5	1.00158	0.00151	0.20560	0.99927	0.00147	0.20333	0.9983	0.00156	0.20342
312	ugd16e5	1.00335	0.00151	0.20648	0.99904	0.0015	0.20947	0.99903	0.00158	0.20601
313	ugd17e5	0.99912	0.00151	0.20341	0.99909	0.00153	0.20572	0.998	0.00149	0.20240
314	ugd18e5	0.99876	0.00150	0.20851	0.99741	0.00156	0.21013	0.99819	0.00155	0.20862
315	ugd19e5	1.00133	0.00153	0.21011	0.99908	0.00155	0.20757	1.00098	0.00151	0.20506
316	ugd1e5	1.00033	0.00143	0.20132	0.99717	0.0014	0.20069	0.99688	0.00149	0.19672
317	ugd20e5	1.00322	0.00153	0.20698	1.00179	0.00159	0.20624	0.9971	0.00155	0.20429
318	ugd2e5	0.99945	0.00145	0.19828	0.99892	0.0015	0.20018	0.9947	0.00151	0.19858
319	ugd3e5	1.00054	0.00147	0.19948	0.99846	0.00145	0.19736	0.99449	0.00151	0.19988
320	ugd4e5	1.00193	0.00150	0.19985	0.99911	0.00144	0.19744	1.00031	0.00149	0.19930
321	ugd5e5	0.99955	0.00154	0.19752	0.99958	0.00147	0.20041	0.99686	0.0015	0.19842
322	ugd6e5	0.99996	0.00152	0.19775	1.00229	0.00149	0.19897	0.9952	0.00154	0.19894
323	ugd7e5	1.00410	0.00148	0.19675	0.99807	0.00144	0.19896	0.99287	0.00147	0.19687
324	ugd8e5	0.99929	0.00154	0.19756	0.99904	0.00151	0.19942	0.99722	0.00147	0.19833

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k _{eff}	σ	AENCF ^a	k _{eff}	σ	AENCF ^a	k _{eff}	σ	AENCF ^a
325	ugd9e5	1.00135	0.00156	0.19873	1.00042	0.00159	0.19963	0.99743	0.00148	0.19651
326	exp22e5	0.99624	0.00174	0.25557	0.99574	0.00153	0.25590	0.99267	0.00161	0.25764
327	exp23e5	1.00050	0.00169	0.27397	1.00004	0.00157	0.27645	0.99307	0.00176	0.27320
328	exp24e5	1.00302	0.00171	0.16128	1.00819	0.00177	0.16053	0.99653	0.00176	0.16065
329	exp25e5	1.00835	0.00161	0.18944	1.00635	0.00161	0.18898	1.00214	0.00167	0.19096
330	exp26e5	1.00709	0.00160	0.13192	1.00864	0.00158	0.13287	0.999	0.00162	0.13166
331	exp27e5	1.00752	0.00155	0.15372	1.0045	0.0016	0.15299	1.00186	0.00155	0.15393
332	exp28e5	1.00318	0.00184	0.23083	1.00301	0.00178	0.23030	0.99394	0.00167	0.22747
333	exp29e5	1.00506	0.00166	0.19184	0.99855	0.00176	0.19202	0.99343	0.00187	0.19355
334	exp30e5	1.00003	0.00187	0.20094	1.0007	0.00176	0.20306	0.99264	0.0018	0.20277
335	exp31e5	1.00682	0.00181	0.12043	1.00357	0.00187	0.12079	0.99311	0.00191	0.12043
336	exp32e5	1.00626	0.00182	0.10732	1.00372	0.00183	0.10774	0.9982	0.00187	0.10725
337	exp33e5	1.00739	0.00171	0.07964	1.00301	0.00165	0.07953	0.99719	0.00175	0.08063
338	exp34e5	0.98750	0.00168	0.37762	0.98999	0.00154	0.37796	0.99406	0.00152	0.37363
339	u2331a	0.99297	0.00038	1.77385	0.99297	0.00038	1.77385	0.99354	0.00038	1.77170
340	u2332a	0.99547	0.00038	1.73702	0.99547	0.00038	1.73702	0.99609	0.0004	1.72533
341	u2332b	0.99807	0.00039	1.70789	0.99807	0.00039	1.70789	0.99764	0.00039	1.68809
342	u2333a	0.99583	0.00041	1.74832	0.99583	0.00041	1.74832	0.99645	0.0004	1.74824
343	u2333b	0.99771	0.00041	1.76231	0.99771	0.00041	1.76231	0.99738	0.00042	1.76086
344	u2334a1	1.00380	0.00041	1.61187	1.00356	0.00041	1.61336	1.00278	0.00043	1.61505
345	u2334b1	1.00705	0.00042	1.51777	1.00637	0.00043	1.51775	1.00564	0.00044	1.52050
346	u2335a	0.99351	0.00043	1.61950	0.99351	0.00043	1.61950	0.99452	0.00042	1.61670
347	u2335b	0.99681	0.00045	1.51871	0.99681	0.00045	1.51871	0.99707	0.00045	1.51252
348	u2336a	1.00057	0.00045	1.77403	1.00057	0.00045	1.77403	1.00122	0.00047	1.77535
349	u233s1	1.00153	0.00037	0.03738	1.00179	0.00039	0.00371	0.99824	0.00038	0.00367
350	u233s2	1.00029	0.00038	0.00390	1.00069	0.00038	0.00398	0.99773	0.00038	0.00404
351	u233s3	1.00045	0.00040	0.00402	1.00007	0.00039	0.00416	0.9969	0.00038	0.00413

Table 6-1. Results of LCE Reactivity Calculations

#	Case	WPO-Selected			ENDF/B-V			ENDF/B-VI		
		k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a	k_{eff}	σ	AENCF ^a
352	u233s4	0.99951	0.00040	0.00432	0.99987	0.00039	0.00422	0.99667	0.0004	0.00423
353	u233s5	0.99856	0.00039	0.00435	0.99998	0.00041	0.00440	0.99524	0.00041	0.00437
354	u233s6	0.99826	0.00027	0.00301	0.99911	0.00025	0.00309	0.99534	0.00026	0.00311

^a Values calculated for AENCF are in units of MeV.

Table 6-2. Organization of Table 6-1

LCE set in Table 6-1*	Number of cases in set	1st row	Last row
Mixed Pu/U homogeneous	34	1	34
Pu homogeneous	73	35	107
HEU homogeneous	119	108	226
IEU homogeneous	29	227	255
LEU homogeneous	15	256	270
UO ₂ lattices	55	271	325
MOX lattices	13	326	338
²³³ U homogeneous	16	339	354
Total	354		

* Pu- plutonium, U- uranium, HEU- High Enriched Uranium, IEU- Intermediate Enriched Uranium, LEU- Low Enriched Uranium, UO₂- UO₂, MOX- Mixed Oxide

The corresponding MCNP input and output filenames for the cases shown in Table 6-1, are presented in Table 6-3. The MCNP input files are presented in Attachments I, III, and V. The MCNP output files are presented in Attachments II, IV, and VI (the attachment CDs have been moved to Reference 7.9).

Table 6-3. MCNP Input and Output Filenames for the LCE Reactivity Calculations

WPO-Selected Input Filenames	WPO-Selected Output Filenames	ENDF/B-V and ENDF/B-VI Input Filenames	ENDF/B-V and ENDF/B-VI Output Filenames
awre1	awre1.o	awre1	awre1O
awre10	awre10.o	awre10	awre10O
awre2	awre2.o	awre2	awre2O
awre3	awre3.o	awre3	awre3O

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Table 6-3. MCNP Input and Output Filenames for the LCE Reactivity Calculations

WPO-Selected Input Filenames	WPO-Selected Output Filenames	ENDF/B-V and ENDF/B-VI Input Filenames	ENDF/B-V and ENDF/B-VI Output Filenames
awre4	awre4.o	awre4	awre4O
awre5	awre5.o	awre5	awre5O
awre6	awre6.o	awre6	awre6O
awre7	awre7.o	awre7	awre7O
awre8	awre8.o	awre8	awre8O
awre9	awre9.o	awre9	awre9O
core10e5	core10e5.o	core10e5	core10.O
core11e5	core11e5.o	core11e5	core11.O
core12e5	core12e5.o	core12e5	core12.O
core13e5	core13e5.o	core13e5	core13.O
core15e5	core15e5.o	core15e5	core15.O
core16e5	core16e5.o	core16e5	core16.O
core17e5	core17e5.o	core17e5	core17.O
core18e5	core18e5.o	core18e5	core18.O
core19e5	core19e5.o	core19e5	core19.O
core20e5	core20e5.o	core20e5	core20.O
core21e5	core21e5.o	core21e5	core21.O
core2e5	core2e5.o	core2e5	core2.O
core3e5	core3e5.o	core3e5	core3.O
core4e5	core4e5.o	core4e5	core4.O
core5e5	core5e5.o	core5e5	core5.O
core6e5	core6e5.o	core6e5	core6.O
core7e5	core7e5.o	core7e5	core7.O
core8e5	core8e5.o	core8e5	core8.O
core9e5	core9e5.o	core9e5	core9.O
exp10e5	exp10e5.o	exp10e5	exp10.O
exp11e5	exp11e5.o	exp11e5	exp11.O
exp12e5	exp12e5.o	exp12e5	exp12.O
exp13e5	exp13e5.o	exp13e5	exp13.O
exp14e5	exp14e5.o	exp14e5	exp14.O
exp15e5	exp15e5.o	exp15e5	exp15.O
exp17e5	exp17e5.o	exp17e5	exp17.O
exp18e5	exp18e5.o	exp18e5	exp18.O
exp1e5	exp1e5.o	exp1e5	exp1.O
exp22e5	exp22e5.o	exp22e5	exp22.O
exp23e5	exp23e5.o	exp23e5	exp23.O
exp24e5	exp24e5.o	exp24e5	exp24.O
exp25e5	exp25e5.o	exp25e5	exp25.O
exp26e5	exp26e5.o	exp26e5	exp26.O
exp27e5	exp27e5.o	exp27e5	exp27.O
exp28e5	exp28e5.O	exp28e5	exp28.O
exp29e5	exp29e5.o	exp29e5	exp29.O
exp2e5	exp2e5.o	exp2e5	exp2.O
exp30e5	exp30e5.o	exp30e5	exp30.O
exp31e5	exp31e5.o	exp31e5	exp31.O
exp32e5	exp32e5.o	exp32e5	exp32.O
exp33e5	exp33e5.o	exp33e5	exp33.O
exp34e5	exp34e5.o	exp34e5	exp34.O
exp3e5	exp3e5.o	exp3e5	exp3.O
exp4e5	exp4e5.o	exp4e5	exp4.O
exp5e5	exp5e5.o	exp5e5	exp5.O

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Table 6-3. MCNP Input and Output Filenames for the LCE Reactivity Calculations

WPO-Selected Input Filenames	WPO-Selected Output Filenames	ENDF/B-V and ENDF/B-VI Input Filenames	ENDF/B-V and ENDF/B-VI Output Filenames
exp6e5	exp6e5.o	exp6e5	exp6.O
exp7e5	exp7e5.o	exp7e5	exp7.O
exp8e5	exp8e5.o	exp8e5	exp8.O
exp9e5	exp9e5.o	exp9e5	exp9.O
hest1-1	hest1-1.o	hest1-1	hest1-1O
hest1-2	hest1-2.o	hest1-2	hest1-2O
hest1-3	hest1-3.o	hest1-3	hest1-3O
hest1-4	hest1-4.o	hest1-4	hest1-4O
hest1-5	hest1-5.o	hest1-5	hest1-5O
hest1-6	hest1-6.o	hest1-6	hest1-6O
hest1-7	hest1-7.o	hest1-7	hest1-7O
hest1-8	hest1-8.o	hest1-8	hest1-8O
hest1-9	hest1-9.o	hest1-9	hest1-9O
hest110	hest110.o	hest110	hest110O
hest131	hest131.o	hest131	hest131O
hest132	hest132.o	hest132	hest132O
hest133	hest133.o	hest133	hest133O
hest134	hest134.o	hest134	hest134O
hest141	hest141.o	hest141	hest141O
hest142	hest142.o	hest142	hest142O
hest143	hest143.o	hest143	hest143O
hest151	hest151.o	hest151	hest151O
hest152	hest152.o	hest152	hest152O
hest153	hest153.o	hest153	hest153O
hest154	hest154.o	hest154	hest154O
hest155	hest155.o	hest155	hest155O
hest161	hest161.o	hest161	hest161O
hest162	hest162.o	hest162	hest162O
hest163	hest163.o	hest163	hest163O
hest171	hest171.o	hest171	hest171O
hest172	hest172.o	hest172	hest172O
hest173	hest173.o	hest173	hest173O
hest174	hest174.o	hest174	hest174O
hest175	hest175.o	hest175	hest175O
hest176	hest176.o	hest176	hest176O
hest177	hest177.o	hest177	hest177O
hest178	hest178.o	hest178	hest178O
hest181	hest181.o	hest181	hest181O
hest182	hest182.o	hest182	hest182O
hest183	hest183.o	hest183	hest183O
hest184	hest184.o	hest184	hest184O
hest185	hest185.o	hest185	hest185O
hest186	hest186.o	hest186	hest186O
hest187	hest187.o	hest187	hest187O
hest188	hest188.o	hest188	hest188O
hest189	hest189.o	hest189	hest189O
hest191	hest191.o	hest191	hest191O
hest192	hest192.o	hest192	hest192O
hest193	hest193.o	hest193	hest193O
hest2-1	hest2-1.o	hest2-1	hest2-1O
hest2-2	hest2-2.o	hest2-2	hest2-2O

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Table 6-3. MCNP Input and Output Filenames for the LCE Reactivity Calculations

WPO-Selected Input Filenames	WPO-Selected Output Filenames	ENDF/B-V and ENDF/B-VI Input Filenames	ENDF/B-V and ENDF/B-VI Output Filenames
hest2-3	hest2-3.o	hest2-3	hest2-3O
hest2-4	hest2-4.o	hest2-4	hest2-4O
hest2-5	hest2-5.o	hest2-5	hest2-5O
hest2-6	hest2-6.o	hest2-6	hest2-6O
hest2-7	hest2-7.o	hest2-7	hest2-7O
hest2-8	hest2-8.o	hest2-8	hest2-8O
hest2-9	hest2-9.o	hest2-9	hest2-9O
hest210	hest210.o	hest210	hest210O
hest211	hest211.o	hest211	hest211O
hest212	hest212.o	hest212	hest212O
hest213	hest213.o	hest213	hest213O
hest214	hest214.o	hest214	hest214O
hest310	hest310.o	hest310	hest310O
hest311	hest311.o	hest311	hest311O
hest312	hest312.o	hest312	hest312O
hest313	hest313.o	hest313	hest313O
hest314	hest314.o	hest314	hest314O
hest315	hest315O	hest315	hest315O
hest316	hest316.o	hest316	hest316O
hest317	hest317.o	hest317	hest317O
hest318	hest318.o	hest318	hest318O
hest319	hest319.o	hest319	hest319O
hest710	hest710.o	hest710	hest710O
hest711	hest711.o	hest711	hest711O
hest712	hest712.o	hest712	hest712O
hest713	hest713.o	hest713	hest713O
hest714	hest714.o	hest714	hest714O
hest715	hest715.o	hest715	hest715O
hest716	hest716.o	hest716	hest716O
hest717	hest717.o	hest717	hest717O
hest813	hest813.o	hest813	hest813O
heust31	heust31.o	heust31	heust31O
heust32	heust32.o	heust32	heust32O
heust33	heust33.o	heust33	heust33O
heust34	heust34.o	heust34	heust34O
heust35	heust35.o	heust35	heust35O
heust36	heust36.o	heust36	heust36O
heust37	heust37.o	heust37	heust37O
heust38	heust38.o	heust38	heust38O
heust39	heust39.o	heust39	heust39O
heust71	heust71.o	heust71	heust71O
heust72	heust72.o	heust72	heust72O
heust73	heust73.o	heust73	heust73O
heust74	heust74.o	heust74	heust74O
heust75	heust75.o	heust75	heust75O
heust76	heust76.o	heust76	heust76O
heust77	heust77.o	heust77	heust77O
heust78	heust78.o	heust78	heust78O
heust79	heust79.o	heust79	heust79O
heust81	heust81.o	heust81	heust81O
heust83	heust83.o	heust83	heust83O

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Table 6-3. MCNP Input and Output Filenames for the LCE Reactivity Calculations

WPO-Selected Input Filenames	WPO-Selected Output Filenames	ENDF/B-V and ENDF/B-VI Input Filenames	ENDF/B-V and ENDF/B-VI Output Filenames
heust86	heust86.o	heust86	heust86O
heust89	heust89O	heust89	heust89O
hst1810	hst1810.o	hst1810	hst1810O
hst1811	hst1811.o	hst1811	hst1811O
hst1812	hst1812.o	hst1812	hst1812O
hxst142	hxst142.o	hxst142	hxst142O
hxst143	hxst143.o	hxst143	hxst143O
hxst153	hxst153.o	hxst153	hxst153O
hxst154	hxst154.o	hxst154	hxst154O
hxst155a	hxst155a.o	hxst155a	hxst155O
hxst162	hxst162.o	hxst162	hxst162O
hxst163	hxst163.o	hxst163	hxst163O
hxst174	hxst174.o	hxst174	hxst174O
hxst175	hxst175.o	hxst175	hxst175O
hxst178	hxst178.o	hxst178	hxst178O
hxst184	hxst184.o	hxst184	hxst184O
hxst187	hxst187.o	hxst187	hxst187O
hxst192	hxst192.o	hxst192	hxst192O
hxst193	hxst193.o	hxst193	hxst193O
hxt1810	hxt1810.o	hxt1810	hxt1810O
hxt1812	hxt1812.o	hxt1812	hxt1812O
IECT117	IECT117O	IECT101	IECT101O
IECT118	IECT118O	IECT102	IECT102O
IECT119	IECT119O	IECT103	IECT103O
IECT126	IECT126O	IECT104	IECT104O
IECT127	IECT127O	IECT105	IECT105O
IECT128	IECT128O	IECT106	IECT106O
IECT129	IECT129O	IECT107	IECT107O
leuja01	leuja01.o	IECT108	IECT108O
leuja14	leuja14.o	IECT109	IECT109O
leuja29	leuja29.o	IECT110	IECT110O
leuja30	leuja30.o	IECT111	IECT111O
leuja32	leuja32.o	IECT112	IECT112O
leuja33	leuja33.o	IECT113	IECT113O
leuja34	leuja34.o	IECT114	IECT114O
leuja36	leuja36.o	IECT115	IECT115O
leuja46	leuja46.o	IECT116	IECT116O
leuja49	leuja49.o	IECT117	IECT117O
leuja51	leuja51.o	IECT118	IECT118O
leuja54	leuja54.o	IECT119	IECT119O
leust21	leust21.o	IECT120	IECT120O
leust22	leust22.o	IECT121	IECT121O
leust23	leust23.o	IECT122	IECT122O
pnl1158	pnl1158.o	IECT123	IECT123O
pnl1159	pnl1159.o	IECT124	IECT124O
pnl1161	pnl1161.o	IECT125	IECT125O
pnl1577	pnl1577.o	IECT126	IECT126O
pnl1678	pnl1678.o	IECT127	IECT127O
pnl1783	pnl1783.o	IECT128	IECT128O
pnl1868	pnl1868.o	IECT129	IECT129O
pnl1969	pnl1969.o	leuja01	leuja01O

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Table 6-3. MCNP Input and Output Filenames for the LCE Reactivity Calculations

WPO-Selected Input Filenames	WPO-Selected Output Filenames	ENDF/B-V and ENDF/B-VI Input Filenames	ENDF/B-V and ENDF/B-VI Output Filenames
pnl2070	pnl2070.o	leuja14	leuja140
pnl2565	pnl2565.o	leuja29	leuja290
pnl2666	pnl2666.o	leuja30	leuja300
pnl2767	pnl2767.o	leuja32	leuja320
pnl3187	pnl3187.o	leuja33	leuja330
pnl3391	pnl3391.o	leuja34	leuja340
pnl3492	pnl3492.o	leuja36	leuja360
pnl3593	pnl3593.o	leuja46	leuja460
pnl3694	pnl3694.o	leuja49	leuja490
pnl3795	pnl3795.o	leuja51	leuja510
pnl3808	pnl3808.o	leuja54	leuja540
pnl3896	pnl3896.o	leust21	leust210
pnl3897	pnl3897.o	leust22	leust220
pnl3898	pnl3898.o	leust23	leust230
pnl3999	pnl3999.o	pnl1158	pnl11580
pnl5300	pnl5300.o	pnl1159	pnl11590
pu003-1	pu003-1.o	pnl1161	pnl11610
pu003-2	pu003-2.o	pnl1577	pnl15770
pu003-3	pu003-3.o	pnl1678	pnl16780
pu003-4	pu003-4.o	pnl1783	pnl17830
pu003-5	pu003-5.o	pnl1868	pnl18680
pu003-6	pu003-6.o	pnl1969	pnl19690
pu003-7	pu003-7.o	pnl2070	pnl20700
pu003-8	pu003-8.o	pnl2565	pnl25650
pu004-1	pu004-1.o	pnl2666	pnl26660
pu004-2	pu004-2.o	pnl2767	pnl27670
pu004-3	pu004-3.o	pnl3187	pnl31870
pu004-4	pu004-4.o	pnl3391	pnl33910
pu004-5	pu004-5.o	pnl3492	pnl34920
pu004-6	pu004-6.o	pnl3593	pnl35930
pu004-7	pu004-7.o	pnl3694	pnl36940
pu004-8	pu004-8.o	pnl3795	pnl37950
pu004-9	pu004-9.o	pnl3808	pnl38080
pu005-1	pu005-1.o	pnl3896	pnl38960
pu005-2	pu005-2.o	pnl3897	pnl38970
pu005-3	pu005-3.o	pnl3898	pnl38980
pu005-4	pu005-4.o	pnl3999	pnl39990
pu005-5	pu005-5.o	pnl5300	pnl53000
pu005-6	pu005-6.o	pu003-1	pu003-10
pu005-7	pu005-7.o	pu003-2	pu003-20
pu005-8	pu005-8.o	pu003-3	pu003-30
pu005-9	pu005-9.o	pu003-4	pu003-40
pu007-2	pu007-2.o	pu003-5	pu003-50
pu007-3	pu007-3.o	pu003-6	pu003-60
pu007-5	pu007-5.o	pu003-7	pu003-70
pu007-6	pu007-6.o	pu003-8	pu003-80
pu007-7	pu007-7.o	pu004-1	pu004-10
pu007-8	pu007-8.o	pu004-2	pu004-20
pu007-9	pu007-9.o	pu004-3	pu004-30
pu04-10	pu04-10.o	pu004-4	pu004-40
pu04-11	pu04-11.o	pu004-5	pu004-50

Table 6-3. MCNP Input and Output Filenames for the LCE Reactivity Calculations

WPO-Selected Input Filenames	WPO-Selected Output Filenames	ENDF/B-V and ENDF/B-VI Input Filenames	ENDF/B-V and ENDF/B-VI Output Filenames
pu04-12	pu04-12.o	pu004-6	pu004-6O
pu04-13	pu04-13.o	pu004-7	pu004-7O
pu07-10	pu07-10.o	pu004-8	pu004-8O
pu10091	pu10091.o	pu004-9	pu004-9O
pu10092	pu10092.o	pu005-1	pu005-1O
pu10093	pu10093.o	pu005-2	pu005-2O
pu10111	pu10111.o	pu005-3	pu005-3O
pu10112	pu10112.o	pu005-4	pu005-4O
pu10113	pu10113.o	pu005-5	pu005-5O
pu10114	pu10114.o	pu005-6	pu005-6O
pu10115	pu10115.o	pu005-7	pu005-7O
pu10116	pu10116.o	pu005-8	pu005-8O
pu10117	pu10117.o	pu005-9	pu005-9O
pu10121	pu10121.o	pu007-2	pu007-2O
pu10122	pu10122.o	pu007-3	pu007-3O
pu10123	pu10123.o	pu007-5	pu007-5O
pu10124	pu10124.o	pu007-6	pu007-6O
pu11161	pu11161.o	pu007-7	pu007-7O
pu11162	pu11162.o	pu007-8	pu007-8O
pu11163	pu11163.o	pu007-9	pu007-9O
pu11164	pu11164.o	pu04-10	pu04-10O
pu11165	pu11165.o	pu04-11	pu04-11O
pu11181	pu11181.o	pu04-12	pu04-12O
pu11182	pu11182.o	pu04-13	pu04-13O
pu11183	pu11183.o	pu07-10	pu07-10O
pu11184	pu11184.o	pu10091	pu10091O
pu11185	pu11185.o	pu10092	pu10092O
pu11186	pu11186.o	pu10093	pu10093O
pu11187	pu11187.o	pu10111	pu10111O
pust1t1	pust1t1.o	pu10112	pu10112O
pust1t2	pust1t2.o	pu10113	pu10113O
pust1t3	pust1t3.o	pu10114	pu10114O
pust1t4	pust1t4.o	pu10115	pu10115O
pust1t5	pust1t5.o	pu10116	pu10116O
pust1t6	pust1t6.o	pu10117	pu10117O
pust9-1	pust9-1.o	pu10121	pu10121O
pust9-2	pust9-2.o	pu10122	pu10122O
pust9-3	pust9-3.o	pu10123	pu10123O
u2331a	u2331a.o	pu10124	pu10124O
u2332a	u2332a.o	pu11161	pu11161O
u2332b	u2332b.o	pu11162	pu11162O
u2333a	u2333a.o	pu11163	pu11163O
u2333b	u2333b.o	pu11164	pu11164O
u2334a1	u2334a1.o	pu11165	pu11165O
u2334b1	u2334b1.o	pu11181	pu11181O
u2335a	u2335a.o	pu11182	pu11182O
u2335b	u2335b.o	pu11183	pu11183O
u2336a	u2336a.o	pu11184	pu11184O
u233s1	u233s1.o	pu11185	pu11185O
u233s2	u233s2.o	pu11186	pu11186O
u233s3	u233s3.o	pu11187	pu11187O

Table 6-3. MCNP Input and Output Filenames for the LCE Reactivity Calculations

WPO-Selected Input Filenames	WPO-Selected Output Filenames	ENDF/B-V and ENDF/B-VI Input Filenames	ENDF/B-V and ENDF/B-VI Output Filenames
u233s4	u233s4.o	pust1t1	pust1t1O
u233s5	u233s5.o	pust1t2	pust1t2O
u233s6	u233s6.o	pust1t3	pust1t3O
ugd10e5	ugd10e5.o	pust1t4	pust1t4O
ugd12e5	ugd12e5.o	pust1t5	pust1t5O
ugd13e5	ugd13e5.o	pust1t6	pust1t6O
ugd14e5	ugd14e5.o	pust9-1	pust9-1O
ugd15e5	ugd15e5.o	pust9-2	pust9-2O
ugd16e5	ugd16e5.o	pust9-3	pust9-3O
ugd17e5	ugd17e5.o	u2331a	u2331aO
ugd18e5	ugd18e5.o	u2332a	u2332aO
ugd19e5	ugd19e5.o	u2332b	u2332bO
ugd1e5	ugd1e5.o	u2333a	u2333aO
ugd20e5	ugd20e5.o	u2333b	u2333bO
ugd2e5	ugd2e5.o	u2334a1	u2334a1O
ugd3e5	ugd3e5.o	u2334b1	u2334b1O
ugd4e5	ugd4e5.o	u2335a	u2335aO
ugd5e5	ugd5e5.o	u2335b	u2335bO
ugd6e5	ugd6e5.o	u2336a	u2336aO
ugd7e5	ugd7e5.o	u233s1	u233s1O
ugd8e5	ugd8e5.o	u233s2	u233s2O
ugd9e5	ugd9e5.o	u233s3	u233s3O
		u233s4	u233s4O
		u233s5	u233s5O
		u233s6	u233s6O
		ugd10e5	ugd1.O
		ugd12e5	ugd10.O
		ugd13e5	ugd12.O
		ugd14e5	ugd13.O
		ugd15e5	ugd14.O
		ugd16e5	ugd15.O
		ugd17e5	ugd16.O
		ugd18e5	ugd17.O
		ugd19e5	ugd18.O
		ugd1e5	ugd19.O
		ugd20e5	ugd2.O
		ugd2e5	ugd20.O
		ugd3e5	ugd3.O
		ugd4e5	ugd4.O
		ugd5e5	ugd5.O
		ugd6e5	ugd6.O
		ugd7e5	ugd7.O
		ugd8e5	ugd8.O
		ugd9e5	ugd9.O

7. REFERENCES

- 7.1 Civilian Radioactive Waste Management System (CRWMS) Management and Operating Contractor (M&O) 1997. *MCNP Evaluation of Laboratory Critical Experiments: Homogeneous Mixture Criticals*. BBA000000-01717-0200-00045 REV 00. Las Vegas, Nevada: CRWMS M&O. ACC: MOL.19971230.0134
- 7.2 CRWMS M&O 1997. *MCNP Evaluation of Laboratory Critical Experiments: Lattice Criticals*. BBA000000-01717-0200-00009 REV 00. Las Vegas, Nevada: CRWMS M&O. ACC: MOL.19971229.0283
- 7.3 Briesmeister, Judith F., ed. 1997. *MCNP—A General Monte Carlo N-Particle Transport Code*. User Manual, Report Number: LA-12625-M, Version 4B. Los Alamos, New Mexico: Los Alamos National Laboratory. TIC: 241044
- 7.4 CRWMS M&O 1998. *Software Qualification Report for MCNP Version 4B2, A General Monte Carlo N-Particle Transport Code*. DI: 30033-2003 REV 01; CSCI: 30033 V4B2LV; MI: 30055-M72-001, 30056-M03-001, 30057-M03-001. Las Vegas, Nevada: CRWMS M&O. ACC: MOL.19980622.0637
- 7.5 General Electric (GE) Company 1989. *Nuclides and Isotopes Fourteenth Edition: Chart of the Nuclides*. San Jose, California: GE Company. TIC: 201637
- 7.6 CRWMS M&O 1998. *Selection of MCNP Cross Section Libraries*. B00000000-01717-5705-00099 REV 00. Las Vegas, Nevada: CRWMS M&O. ACC: MOL.19980722.0042
- 7.7 Organization for Economic Cooperation and Development-Nuclear Energy Agency (OECD-NEA) 1998. *International Handbook of Evaluated Criticality Safety Benchmark Experiments*. NEA/NSC/DOC(95)03, September 1998 Edition. Paris, France: Nuclear Energy Agency. TIC: 243013
- 7.8 CRWMS M&O 1998. *Software Change Request (SCR) LSPR161, CSCI Number 30033 V4BLV, Software Qualification Report for MCNP4B2, 30033-2003 REVISION 01*. Las Vegas, Nevada: CRWMS M&O. ACC: MOL.19980710.0768
- 7.9 CRWMS M&O 1999. *Two (2) CDs for Laboratory Critical Experiment Reactivity Calculations*. B00000000-01717-0210-00018 REV 01. Las Vegas, Nevada: CRWMS M&O. ACC: MOL.19990518.0274

8. ATTACHMENTS

Table 8-1 presents the attachment specifications for this calculation file.

Table 8-1. Attachment Listing

Attachment #	# of Pages	Date CD Was Created	Description
I	7	04/20/99	MCNP input files using ENDF/B-V cross-section libraries (the attachment CD has been moved to Reference 7.9)
II	7	04/20/99	MCNP output files using ENDF/B-V cross-section libraries (the attachment CD has been moved to Reference 7.9)
III	7	04/20/99	MCNP input files using ENDF/B-VI cross-section libraries (the attachment CD has been moved to Reference 7.9)
IV	7	04/20/99	MCNP output files using ENDF/B-VI cross-section libraries (the attachment CD has been moved to Reference 7.9)
V	7	04/20/99	MCNP input files using WPO-Selected cross-section libraries (the attachment CD has been moved to Reference 7.9)
VI	7	04/20/99	MCNP output files using WPO-Selected cross-section libraries (the attachment CD has been moved to Reference 7.9)

ATTACHMENT I

This attachment contains the MCNP input files for the LCE reactivity calculations that were performed using the ENDF/B-V cross-section library. The input files are contained on an attachment CD of this calculation file (the attachment CD has been moved to Reference 7.9). The information contained in this hard-copy representation of Attachment I is a listing of the various MCNP input files and their attributes. The files are listed in Table I-1. The CD containing Attachment I was written using the Hewlett Packard (HP) CD-Writer Plus model 7200e external CD-rewritable drive for personal computers.

Table I-1. MCNP Input File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
awre1	ASCII	3,420	2/24/99	4:52p
awre10	ASCII	3,425	2/24/99	4:52p
awre2	ASCII	3,427	2/24/99	4:52p
awre3	ASCII	3,425	2/24/99	4:52p
awre4	ASCII	3,421	2/24/99	4:52p
awre5	ASCII	3,428	2/24/99	4:52p
awre6	ASCII	3,428	2/24/99	4:52p
awre7	ASCII	3,424	2/24/99	4:52p
awre8	ASCII	3,428	2/24/99	4:52p
awre9	ASCII	3,424	2/24/99	4:52p
core10e5	ASCII	11,838	2/25/99	9:43a
core11e5	ASCII	12,243	2/25/99	9:43a
core12e5	ASCII	12,241	2/25/99	9:43a
core13e5	ASCII	12,634	2/25/99	9:43a
core15e5	ASCII	12,640	2/25/99	9:43a
core16e5	ASCII	12,638	2/25/99	9:43a
core17e5	ASCII	12,639	2/25/99	9:43a
core18e5	ASCII	12,637	2/25/99	9:43a
core19e5	ASCII	12,645	2/25/99	9:43a
core20e5	ASCII	12,643	2/25/99	9:43a
core21e5	ASCII	12,630	2/25/99	9:43a
core2e5	ASCII	8,811	2/25/99	9:43a
core3e5	ASCII	8,879	2/25/99	9:43a
core4e5	ASCII	11,428	2/25/99	9:43a
core5e5	ASCII	11,489	2/25/99	9:43a
core6e5	ASCII	11,489	2/25/99	9:43a
core7e5	ASCII	11,633	2/25/99	9:43a
core8e5	ASCII	11,633	2/25/99	9:43a
core9e5	ASCII	11,501	2/25/99	9:43a
exp10e5	ASCII	6,298	2/25/99	9:43a
exp11e5	ASCII	6,488	2/25/99	9:43a
exp12e5	ASCII	10,895	2/25/99	9:43a
exp13e5	ASCII	12,984	2/25/99	9:43a
exp14e5	ASCII	4,846	2/25/99	9:43a
exp15e5	ASCII	5,114	2/25/99	9:43a
exp17e5	ASCII	4,659	2/25/99	9:43a
exp18e5	ASCII	4,505	2/25/99	9:43a
exp1e5	ASCII	5,881	2/25/99	9:43a
exp22e5	ASCII	5,477	2/25/99	9:43a
exp23e5	ASCII	5,585	2/25/99	9:43a
exp24e5	ASCII	7,465	2/25/99	9:43a
exp25e5	ASCII	6,465	2/25/99	9:43a
exp26e5	ASCII	5,732	2/25/99	9:43a
exp27e5	ASCII	6,809	2/25/99	9:43a

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Table I-1. MCNP Input File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
exp28e5	ASCII	5,127	4/15/99	3:52p
exp29e5	ASCII	4,617	2/25/99	9:43a
exp2e5	ASCII	8,142	2/25/99	9:43a
exp30e5	ASCII	4,737	2/25/99	9:43a
exp31e5	ASCII	4,456	2/25/99	9:43a
exp32e5	ASCII	4,431	2/25/99	9:43a
exp33e5	ASCII	4,336	2/25/99	9:43a
exp34e5	ASCII	9,228	2/25/99	9:43a
exp3e5	ASCII	6,997	2/25/99	9:43a
exp4e5	ASCII	7,194	2/25/99	9:43a
exp5e5	ASCII	6,529	2/25/99	9:43a
exp6e5	ASCII	6,131	2/25/99	9:43a
exp7e5	ASCII	6,924	2/25/99	9:43a
exp8e5	ASCII	5,686	2/25/99	9:43a
exp9e5	ASCII	6,126	2/25/99	9:43a
hest1-1	ASCII	1,022	2/24/99	4:52p
hest1-2	ASCII	1,044	2/24/99	4:52p
hest1-3	ASCII	771	2/24/99	4:52p
hest1-4	ASCII	769	2/24/99	4:52p
hest1-5	ASCII	768	2/24/99	4:52p
hest1-6	ASCII	768	2/24/99	4:52p
hest1-7	ASCII	769	2/24/99	4:52p
hest1-8	ASCII	769	2/24/99	4:52p
hest1-9	ASCII	766	2/24/99	4:52p
hest110	ASCII	772	2/24/99	4:52p
hest131	ASCII	694	2/24/99	4:52p
hest132	ASCII	760	2/24/99	4:52p
hest133	ASCII	759	2/24/99	4:52p
hest134	ASCII	759	2/24/99	4:52p
hest141	ASCII	1,144	2/24/99	4:52p
hest142	ASCII	1,349	2/24/99	4:52p
hest143	ASCII	1,342	2/24/99	4:52p
hest151	ASCII	1,137	2/24/99	4:52p
hest152	ASCII	1,134	2/24/99	4:52p
hest153	ASCII	1,341	2/24/99	4:52p
hest154	ASCII	1,341	2/24/99	4:52p
hest155	ASCII	1,351	2/24/99	4:52p
hest161	ASCII	1,142	2/24/99	4:52p
hest162	ASCII	1,340	2/24/99	4:52p
hest163	ASCII	1,343	2/24/99	4:52p
hest171	ASCII	1,141	2/24/99	4:52p
hest172	ASCII	1,136	2/24/99	4:52p
hest173	ASCII	1,131	2/24/99	4:52p
hest174	ASCII	1,341	2/24/99	4:52p
hest175	ASCII	1,342	2/24/99	4:52p
hest176	ASCII	1,352	2/24/99	4:52p
hest177	ASCII	1,351	2/24/99	4:52p
hest178	ASCII	1,352	2/24/99	4:52p
hest181	ASCII	1,133	2/24/99	4:52p
hest182	ASCII	1,134	2/24/99	4:52p
hest183	ASCII	1,131	2/24/99	4:52p
hest184	ASCII	1,342	2/24/99	4:52p
hest185	ASCII	1,352	2/24/99	4:52p
hest186	ASCII	1,351	2/24/99	4:52p
hest187	ASCII	1,342	2/24/99	4:52p
hest188	ASCII	1,352	2/24/99	4:52p

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Table I-1. MCNP Input File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
hest189	ASCII	1,351	2/24/99	4:52p
hest191	ASCII	1,135	2/24/99	4:52p
hest192	ASCII	1,342	2/24/99	4:52p
hest193	ASCII	1,342	2/24/99	4:52p
hest2-1	ASCII	2,483	2/24/99	4:52p
hest2-2	ASCII	2,478	2/24/99	4:52p
hest2-3	ASCII	2,439	2/24/99	4:52p
hest2-4	ASCII	2,479	2/24/99	4:52p
hest2-5	ASCII	2,229	2/24/99	4:52p
hest2-6	ASCII	2,281	2/24/99	4:52p
hest2-7	ASCII	2,204	2/24/99	4:52p
hest2-8	ASCII	2,221	2/24/99	4:52p
hest2-9	ASCII	2,203	2/24/99	4:52p
hest210	ASCII	2,229	2/24/99	4:52p
hest211	ASCII	2,207	2/24/99	4:52p
hest212	ASCII	2,277	2/24/99	4:52p
hest213	ASCII	2,208	2/24/99	4:52p
hest214	ASCII	2,228	2/24/99	4:52p
hest310	ASCII	2,539	2/24/99	4:52p
hest311	ASCII	2,538	2/24/99	4:52p
hest312	ASCII	2,540	2/24/99	4:52p
hest313	ASCII	2,591	2/24/99	4:52p
hest314	ASCII	2,557	2/24/99	4:52p
hest315	ASCII	2,566	4/15/99	3:51p
hest316	ASCII	2,493	2/24/99	4:52p
hest317	ASCII	2,562	2/24/99	4:52p
hest318	ASCII	2,496	2/24/99	4:52p
hest319	ASCII	2,557	2/24/99	4:52p
hest710	ASCII	5,449	4/19/99	11:10a
hest711	ASCII	5,450	4/19/99	11:10a
hest712	ASCII	5,131	4/19/99	11:10a
hest713	ASCII	5,132	4/19/99	11:10a
hest714	ASCII	4,488	4/19/99	11:10a
hest715	ASCII	5,075	4/19/99	11:10a
hest716	ASCII	5,343	2/24/99	4:52p
hest717	ASCII	5,025	2/24/99	4:52p
hest813	ASCII	4,981	2/24/99	4:52p
heust31	ASCII	2,743	2/24/99	4:52p
heust32	ASCII	2,786	2/24/99	4:52p
heust33	ASCII	2,743	2/24/99	4:52p
heust34	ASCII	2,690	2/24/99	4:52p
heust35	ASCII	2,743	2/24/99	4:52p
heust36	ASCII	2,756	2/24/99	4:52p
heust37	ASCII	2,542	2/24/99	4:52p
heust38	ASCII	2,561	2/24/99	4:52p
heust39	ASCII	2,566	2/24/99	4:52p
heust71	ASCII	5,432	4/19/99	11:14a
heust72	ASCII	5,433	4/19/99	11:14a
heust73	ASCII	4,647	4/19/99	11:14a
heust74	ASCII	4,658	4/19/99	11:12a
heust75	ASCII	5,238	4/19/99	11:12a
heust76	ASCII	5,236	2/24/99	4:52p
heust77	ASCII	4,498	2/24/99	4:52p
heust78	ASCII	4,499	2/24/99	4:52p
heust79	ASCII	4,498	2/24/99	4:52p
heust81	ASCII	5,142	2/24/99	4:52p

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 Document Identifier: B00000000-01717-0210-00018 REV 01

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Table I-1. MCNP Input File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
heust83	ASCII	4,668	2/24/99	4:52p
heust86	ASCII	4,941	2/24/99	4:52p
heust89	ASCII	5,146	2/24/99	4:52p
hst1810	ASCII	1,349	2/24/99	4:52p
hst1811	ASCII	1,348	2/24/99	4:52p
hst1812	ASCII	1,348	2/24/99	4:52p
hxst142	ASCII	1,366	2/24/99	4:52p
hxst143	ASCII	1,357	2/24/99	4:52p
hxst153	ASCII	1,358	2/24/99	4:52p
hxst154	ASCII	1,357	2/24/99	4:52p
hxst155a	ASCII	1,368	2/24/99	4:52p
hxst162	ASCII	1,356	2/24/99	4:52p
hxst163	ASCII	1,360	2/24/99	4:52p
hxst174	ASCII	1,358	2/24/99	4:52p
hxst175	ASCII	1,359	2/24/99	4:52p
hxst178	ASCII	1,369	2/24/99	4:52p
hxst184	ASCII	1,359	2/24/99	4:52p
hxst187	ASCII	1,359	2/24/99	4:52p
hxst192	ASCII	1,359	2/24/99	4:52p
hxst193	ASCII	1,359	2/24/99	4:52p
hxt1810	ASCII	1,370	2/24/99	4:52p
hxt1812	ASCII	1,369	2/24/99	4:52p
IECT101	ASCII	22,206	4/19/99	1:30p
IECT102	ASCII	16,268	4/16/99	8:20a
IECT103	ASCII	12,699	4/16/99	8:20a
IECT104	ASCII	11,786	4/16/99	8:20a
IECT105	ASCII	22,327	4/16/99	8:20a
IECT106	ASCII	13,612	4/16/99	8:20a
IECT107	ASCII	13,612	4/16/99	8:20a
IECT108	ASCII	14,525	4/16/99	8:20a
IECT109	ASCII	18,073	4/16/99	8:24a
IECT110	ASCII	18,509	4/16/99	8:20a
IECT111	ASCII	21,829	4/16/99	8:20a
IECT112	ASCII	36,603	4/16/99	8:20a
IECT113	ASCII	13,529	4/16/99	8:20a
IECT114	ASCII	16,268	4/16/99	8:20a
IECT115	ASCII	21,497	4/16/99	8:20a
IECT116	ASCII	7,802	4/16/99	8:20a
IECT117	ASCII	28,635	4/16/99	8:20a
IECT118	ASCII	22,078	4/16/99	8:20a
IECT119	ASCII	11,371	4/16/99	8:20a
IECT120	ASCII	18,011	4/16/99	8:20a
IECT121	ASCII	8,051	4/16/99	8:20a
IECT122	ASCII	24,153	4/16/99	8:20a
IECT123	ASCII	19,256	4/16/99	8:20a
IECT124	ASCII	20,335	4/16/99	8:20a
IECT125	ASCII	8,881	4/16/99	8:20a
IECT126	ASCII	6,972	4/16/99	8:20a
IECT127	ASCII	7,553	4/16/99	8:20a
IECT128	ASCII	8,103	4/16/99	1:40p
IECT129	ASCII	6,723	4/16/99	8:20a
leuja01	ASCII	1,429	2/24/99	4:53p
leuja14	ASCII	1,404	2/24/99	4:53p
leuja29	ASCII	1,432	2/24/99	4:53p
leuja30	ASCII	1,404	2/24/99	4:53p
leuja32	ASCII	1,404	2/24/99	4:53p

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Table I-1. MCNP Input File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
leuja33	ASCII	1,432	2/24/99	4:53p
leuja34	ASCII	1,432	2/24/99	4:53p
leuja36	ASCII	1,404	2/24/99	4:53p
leuja46	ASCII	1,432	2/24/99	4:53p
leuja49	ASCII	1,406	2/24/99	4:53p
leuja51	ASCII	1,432	2/24/99	4:53p
leuja54	ASCII	1,434	2/24/99	4:53p
leust21	ASCII	979	3/4/99	10:35a
leust22	ASCII	916	3/4/99	10:35a
leust23	ASCII	1,002	3/4/99	10:35a
pnl1158	ASCII	3,637	2/24/99	4:53p
pnl1159	ASCII	3,636	2/24/99	4:53p
pnl1161	ASCII	3,636	2/24/99	4:53p
pnl1577	ASCII	9,781	2/24/99	4:53p
pnl1678	ASCII	5,887	2/24/99	4:53p
pnl1783	ASCII	10,785	2/24/99	4:53p
pnl1868	ASCII	10,817	2/24/99	4:53p
pnl1969	ASCII	5,887	2/24/99	4:53p
pnl2070	ASCII	9,779	2/24/99	4:53p
pnl2565	ASCII	9,800	2/24/99	4:53p
pnl2666	ASCII	5,874	2/24/99	4:53p
pnl2767	ASCII	10,821	2/24/99	4:53p
pnl3187	ASCII	6,245	2/24/99	4:53p
pnl3391	ASCII	7,888	2/24/99	4:53p
pnl3492	ASCII	7,917	2/24/99	4:53p
pnl3593	ASCII	7,917	2/24/99	4:53p
pnl3694	ASCII	7,010	2/24/99	4:53p
pnl3795	ASCII	7,914	2/24/99	4:53p
pnl3808	ASCII	7,917	2/24/99	4:53p
pnl3896	ASCII	7,914	2/24/99	4:53p
pnl3897	ASCII	7,913	2/24/99	4:53p
pnl3898	ASCII	7,916	2/24/99	4:53p
pnl3999	ASCII	6,864	2/24/99	4:53p
pnl5300	ASCII	4,759	2/24/99	4:53p
pu003-1	ASCII	993	2/24/99	4:53p
pu003-2	ASCII	1,000	2/24/99	4:53p
pu003-3	ASCII	997	2/24/99	4:53p
pu003-4	ASCII	992	2/24/99	4:53p
pu003-5	ASCII	993	2/24/99	4:53p
pu003-6	ASCII	993	2/24/99	4:53p
pu003-7	ASCII	1,028	2/24/99	4:53p
pu003-8	ASCII	1,028	2/24/99	4:53p
pu004-1	ASCII	1,009	2/24/99	4:53p
pu004-2	ASCII	1,014	2/24/99	4:53p
pu004-3	ASCII	1,013	2/24/99	4:53p
pu004-4	ASCII	1,009	2/24/99	4:53p
pu004-5	ASCII	1,009	2/24/99	4:53p
pu004-6	ASCII	1,009	2/24/99	4:53p
pu004-7	ASCII	1,009	2/24/99	4:53p
pu004-8	ASCII	1,014	2/24/99	4:53p
pu004-9	ASCII	1,018	2/24/99	4:53p
pu005-1	ASCII	1,012	2/24/99	4:53p
pu005-2	ASCII	1,016	2/24/99	4:53p
pu005-3	ASCII	1,015	2/24/99	4:53p
pu005-4	ASCII	1,009	2/24/99	4:53p
pu005-5	ASCII	1,012	2/24/99	4:53p

Table I-1. MCNP Input File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
pu005-6	ASCII	1,008	2/24/99	4:53p
pu005-7	ASCII	1,008	2/24/99	4:53p
pu005-8	ASCII	1,008	2/24/99	4:53p
pu005-9	ASCII	1,013	2/24/99	4:53p
pu007-2	ASCII	1,148	2/24/99	4:53p
pu007-3	ASCII	1,151	2/24/99	4:53p
pu007-5	ASCII	1,147	2/24/99	4:53p
pu007-6	ASCII	1,155	2/24/99	4:53p
pu007-7	ASCII	1,148	2/24/99	4:53p
pu007-8	ASCII	1,156	2/24/99	4:53p
pu007-9	ASCII	1,151	2/24/99	4:53p
pu04-10	ASCII	1,011	2/24/99	4:53p
pu04-11	ASCII	1,012	2/24/99	4:53p
pu04-12	ASCII	1,015	2/24/99	4:53p
pu04-13	ASCII	1,011	2/24/99	4:53p
pu07-10	ASCII	1,153	2/24/99	4:53p
pu10091	ASCII	2,109	2/24/99	4:53p
pu10092	ASCII	2,086	2/24/99	4:53p
pu10093	ASCII	2,139	2/24/99	4:53p
pu10111	ASCII	2,161	2/24/99	4:53p
pu10112	ASCII	2,153	2/24/99	4:53p
pu10113	ASCII	2,147	2/24/99	4:53p
pu10114	ASCII	2,184	2/24/99	4:53p
pu10115	ASCII	2,078	2/24/99	4:53p
pu10116	ASCII	2,161	2/24/99	4:53p
pu10117	ASCII	2,137	2/24/99	4:53p
pu10121	ASCII	2,136	2/24/99	4:53p
pu10122	ASCII	2,140	2/24/99	4:53p
pu10123	ASCII	2,137	2/24/99	4:53p
pu10124	ASCII	2,137	2/24/99	4:53p
pu11161	ASCII	794	2/24/99	4:53p
pu11162	ASCII	792	2/24/99	4:53p
pu11163	ASCII	791	2/24/99	4:53p
pu11164	ASCII	796	2/24/99	4:53p
pu11165	ASCII	792	2/24/99	4:53p
pu11181	ASCII	920	2/24/99	4:53p
pu11182	ASCII	921	2/24/99	4:53p
pu11183	ASCII	928	2/24/99	4:53p
pu11184	ASCII	922	2/24/99	4:53p
pu11185	ASCII	922	2/24/99	4:53p
pu11186	ASCII	924	2/24/99	4:53p
pu11187	ASCII	916	2/24/99	4:53p
pust1t1	ASCII	1,502	2/24/99	4:53p
pust1t2	ASCII	1,510	2/24/99	4:53p
pust1t3	ASCII	1,521	2/24/99	4:53p
pust1t4	ASCII	1,520	2/24/99	4:53p
pust1t5	ASCII	1,531	2/24/99	4:53p
pust1t6	ASCII	1,529	2/24/99	4:53p
pust9-1	ASCII	1,837	2/24/99	4:53p
pust9-2	ASCII	1,851	2/24/99	4:53p
pust9-3	ASCII	1,738	2/24/99	4:53p
u2331a	ASCII	298	3/2/99	9:40a
u2332a	ASCII	380	3/2/99	9:40a
u2332b	ASCII	380	3/2/99	9:40a
u2333a	ASCII	389	3/2/99	9:40a
u2333b	ASCII	403	3/2/99	9:40a

Table I-1. MCNP Input File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
u2334a1	ASCII	468	3/2/99	9:40a
u2334b1	ASCII	472	3/2/99	9:40a
u2335a	ASCII	402	3/2/99	9:40a
u2335b	ASCII	403	3/2/99	9:40a
u2336a	ASCII	418	3/2/99	9:40a
u233s1	ASCII	837	3/2/99	9:40a
u233s2	ASCII	961	3/2/99	9:40a
u233s3	ASCII	961	3/2/99	9:40a
u233s4	ASCII	961	3/2/99	9:40a
u233s5	ASCII	961	3/2/99	9:40a
u233s6	ASCII	692	3/2/99	9:40a
ugd10e5	ASCII	34,655	4/12/99	10:34a
ugd12e5	ASCII	34,497	4/12/99	10:34a
ugd13e5	ASCII	34,669	4/12/99	10:34a
ugd14e5	ASCII	34,632	4/12/99	10:34a
ugd15e5	ASCII	34,804	4/12/99	10:34a
ugd16e5	ASCII	34,632	4/12/99	10:34a
ugd17e5	ASCII	34,695	4/12/99	10:34a
ugd18e5	ASCII	33,864	4/12/99	10:34a
ugd19e5	ASCII	33,997	4/12/99	10:34a
ugd1e5	ASCII	34,263	4/12/99	10:34a
ugd20e5	ASCII	33,997	4/12/99	10:34a
ugd2e5	ASCII	34,535	4/12/99	10:34a
ugd3e5	ASCII	34,263	4/12/99	10:34a
ugd4e5	ASCII	34,400	4/12/99	10:34a
ugd5e5	ASCII	34,496	4/12/99	10:34a
ugd6e5	ASCII	34,653	4/12/99	10:34a
ugd7e5	ASCII	34,594	4/12/99	10:34a
ugd8e5	ASCII	34,497	4/12/99	10:34a
ugd9e5	ASCII	34,670	4/12/99	10:34a

ATTACHMENT II

This attachment contains the MCNP output files for the LCE reactivity calculations that were performed using the ENDF/B-V cross-section library. The output files are contained on an attachment CD of this calculation file (the attachment CD has been moved to Reference 7.9). The information contained in this hard-copy representation of Attachment II is a listing of the various MCNP output files and their attributes. The files are listed in Table II-1. The CD containing Attachment II was written using the Hewlett Packard (HP) CD-Writer Plus model 7200e external CD-rewritable drive for personal computers.

Table II-1. MCNP Output File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
awre100	ASCII	306,949	2/27/99	6:58a
awre10	ASCII	306,496	2/26/99	7:02p
awre20	ASCII	306,628	2/26/99	8:45p
awre30	ASCII	306,596	2/26/99	10:22p
awre40	ASCII	306,496	2/26/99	11:57p
awre50	ASCII	306,796	2/27/99	1:04a
awre60	ASCII	306,696	2/27/99	2:09a
awre70	ASCII	306,814	2/27/99	3:12a
awre80	ASCII	306,949	2/27/99	4:28a
awre90	ASCII	307,167	2/27/99	5:42a
core10.O	ASCII	641,663	3/4/99	8:19a
core11.O	ASCII	698,088	3/4/99	8:19a
core12.O	ASCII	697,930	3/4/99	8:19a
core13.O	ASCII	694,626	3/4/99	8:19a
core15.O	ASCII	694,186	3/4/99	8:19a
core16.O	ASCII	694,245	3/4/99	8:19a
core17.O	ASCII	694,186	3/4/99	8:19a
core18.O	ASCII	694,245	3/4/99	8:19a
core19.O	ASCII	694,186	3/4/99	8:19a
core2.O	ASCII	620,794	3/4/99	8:19a
core20.O	ASCII	693,927	3/4/99	8:19a
core21.O	ASCII	693,611	3/4/99	8:19a
core3.O	ASCII	620,247	3/4/99	8:19a
core4.O	ASCII	621,914	3/4/99	8:19a
core5.O	ASCII	622,216	3/4/99	8:19a
core6.O	ASCII	622,216	3/4/99	8:19a
core7.O	ASCII	622,311	3/4/99	8:19a
core8.O	ASCII	622,311	3/4/99	8:19a
core9.O	ASCII	623,051	3/4/99	8:19a
exp1.O	ASCII	613,828	3/4/99	8:20a
exp10.O	ASCII	614,512	3/4/99	8:20a
exp11.O	ASCII	618,084	3/4/99	8:20a
exp12.O	ASCII	675,366	3/4/99	8:20a
exp13.O	ASCII	712,185	3/4/99	8:20a
exp14.O	ASCII	602,101	3/4/99	8:20a
exp15.O	ASCII	601,783	3/4/99	8:20a
exp17.O	ASCII	607,602	3/4/99	8:20a
exp18.O	ASCII	607,233	3/4/99	8:20a
exp2.O	ASCII	633,725	3/4/99	3:14p
exp22.O	ASCII	607,402	3/4/99	8:20a
exp23.O	ASCII	610,962	3/4/99	3:15p
exp24.O	ASCII	609,369	3/4/99	3:15p
exp25.O	ASCII	610,878	3/4/99	3:15p
exp26.O	ASCII	607,223	3/4/99	3:15p

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Table II-1. MCNP Output File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
exp27.O	ASCII	611,733	3/4/99	3:15p
exp28.O	ASCII	610,056	4/15/99	3:52p
exp29.O	ASCII	607,347	3/4/99	3:15p
exp3.O	ASCII	632,431	3/4/99	8:20a
exp30.O	ASCII	609,981	3/4/99	8:20a
exp31.O	ASCII	606,777	3/4/99	8:20a
exp32.O	ASCII	606,682	3/4/99	8:20a
exp33.O	ASCII	606,492	3/4/99	8:20a
exp34.O	ASCII	693,053	3/4/99	8:20a
exp4.O	ASCII	633,509	3/4/99	8:20a
exp5.O	ASCII	617,924	3/4/99	8:20a
exp6.O	ASCII	617,740	3/4/99	8:20a
exp7.O	ASCII	625,982	3/4/99	8:20a
exp8.O	ASCII	601,449	3/4/99	8:20a
exp9.O	ASCII	605,163	3/4/99	8:20a
hest1-1O	ASCII	383,852	3/2/99	10:18a
hest1-2O	ASCII	383,852	3/2/99	10:18a
hest1-3O	ASCII	379,705	3/2/99	10:18a
hest1-4O	ASCII	379,811	3/2/99	10:18a
hest1-5O	ASCII	379,710	3/2/99	10:18a
hest1-6O	ASCII	379,604	3/2/99	10:18a
hest1-7O	ASCII	379,811	3/2/99	10:18a
hest1-8O	ASCII	379,710	3/2/99	10:18a
hest1-9O	ASCII	379,811	3/2/99	10:18a
hest110O	ASCII	379,604	3/2/99	10:18a
hest131O	ASCII	382,049	3/2/99	10:18a
hest132O	ASCII	383,158	3/2/99	10:18a
hest133O	ASCII	381,734	3/2/99	10:18a
hest134O	ASCII	383,020	3/2/99	10:18a
hest141O	ASCII	272,053	3/2/99	10:18a
hest142O	ASCII	275,815	3/2/99	10:18a
hest143O	ASCII	275,755	3/2/99	10:18a
hest151O	ASCII	271,640	3/2/99	10:18a
hest152O	ASCII	272,053	3/2/99	10:18a
hest153O	ASCII	275,532	3/2/99	10:18a
hest154O	ASCII	275,755	3/2/99	10:18a
hest155O	ASCII	275,626	3/2/99	10:18a
hest161O	ASCII	271,327	3/2/99	10:18a
hest162O	ASCII	275,608	3/2/99	10:18a
hest163O	ASCII	275,402	3/2/99	10:18a
hest171O	ASCII	272,277	3/2/99	10:18a
hest172O	ASCII	271,735	3/2/99	10:18a
hest173O	ASCII	271,958	3/2/99	10:18a
hest174O	ASCII	275,913	3/2/99	10:18a
hest175O	ASCII	275,818	3/2/99	10:18a
hest176O	ASCII	275,403	3/2/99	10:18a
hest177O	ASCII	275,721	3/2/99	10:18a
hest178O	ASCII	275,343	3/2/99	10:18a
hest181O	ASCII	272,053	3/2/99	10:18a
hest182O	ASCII	271,640	3/2/99	10:18a
hest183O	ASCII	271,735	3/2/99	10:18a
hest184O	ASCII	275,913	3/2/99	10:18a
hest185O	ASCII	275,308	3/2/99	10:18a
hest186O	ASCII	275,721	3/2/99	10:18a
hest187O	ASCII	275,720	3/2/99	10:18a
hest188O	ASCII	275,308	3/2/99	10:18a

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Table II-1. MCNP Output File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
hest1890	ASCII	275,626	3/2/99	10:18a
hest1910	ASCII	272,056	3/2/99	10:18a
hest1920	ASCII	275,720	3/2/99	10:18a
hest1930	ASCII	275,625	3/2/99	10:18a
hest2-10	ASCII	382,577	3/2/99	10:19a
hest2-20	ASCII	232,551	3/2/99	10:19a
hest2-30	ASCII	231,006	3/2/99	10:19a
hest2-40	ASCII	232,624	3/2/99	10:19a
hest2-50	ASCII	227,835	3/2/99	10:19a
hest2-60	ASCII	228,594	3/2/99	10:19a
hest2-70	ASCII	227,835	3/2/99	10:19a
hest2-80	ASCII	228,349	3/2/99	10:19a
hest2-90	ASCII	227,762	3/2/99	10:19a
hest2100	ASCII	228,349	3/2/99	10:19a
hest2110	ASCII	227,762	3/2/99	10:19a
hest2120	ASCII	228,492	3/2/99	10:19a
hest2130	ASCII	227,765	3/2/99	10:19a
hest2140	ASCII	228,492	3/2/99	10:19a
hest3100	ASCII	230,591	3/2/99	10:17a
hest3110	ASCII	230,591	3/2/99	10:17a
hest3120	ASCII	230,766	3/2/99	10:17a
hest3130	ASCII	230,591	3/2/99	10:17a
hest3140	ASCII	230,909	3/2/99	10:17a
hest3150	ASCII	338,649	4/15/99	3:51p
hest3160	ASCII	230,591	3/2/99	10:17a
hest3170	ASCII	230,518	3/2/99	10:17a
hest3180	ASCII	230,591	3/2/99	10:17a
hest3190	ASCII	230,518	3/2/99	10:17a
hest7100	ASCII	340,991	4/19/99	11:10a
hest7110	ASCII	340,991	4/19/99	11:10a
hest7120	ASCII	334,462	4/19/99	11:10a
hest7130	ASCII	334,462	4/19/99	11:10a
hest7140	ASCII	323,648	4/19/99	11:10a
hest7150	ASCII	334,367	4/19/99	11:10a
hest7160	ASCII	341,024	3/2/99	10:17a
hest7170	ASCII	334,400	3/2/99	10:17a
hest8130	ASCII	283,644	3/2/99	10:17a
heust310	ASCII	233,914	3/2/99	10:50a
heust320	ASCII	233,984	3/2/99	10:50a
heust330	ASCII	234,057	3/2/99	10:50a
heust340	ASCII	234,057	3/2/99	10:50a
heust350	ASCII	234,057	3/2/99	10:50a
heust360	ASCII	233,984	3/2/99	10:50a
heust370	ASCII	230,591	3/2/99	10:50a
heust380	ASCII	230,591	3/2/99	10:50a
heust390	ASCII	230,518	3/2/99	10:50a
heust710	ASCII	341,198	4/19/99	11:14a
heust720	ASCII	341,309	4/19/99	11:14a
heust730	ASCII	324,477	4/19/99	11:14a
heust740	ASCII	324,477	4/19/99	11:12a
heust750	ASCII	341,660	4/19/99	11:12a
heust760	ASCII	340,804	3/2/99	10:50a
heust770	ASCII	323,553	3/2/99	10:50a
heust780	ASCII	323,556	3/2/99	10:50a
heust790	ASCII	323,888	3/2/99	10:50a
heust810	ASCII	405,471	3/2/99	10:50a

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Table II-1. MCNP Output File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
heust830	ASCII	275,548	3/2/99	10:50a
heust860	ASCII	284,144	3/2/99	10:50a
heust890	ASCII	320,287	3/2/99	10:50a
hst18100	ASCII	275,501	3/2/99	10:50a
hst18110	ASCII	274,521	3/2/99	10:50a
hst18120	ASCII	275,308	3/2/99	10:50a
hxst1420	ASCII	275,497	3/4/99	10:28a
hxst1430	ASCII	275,532	3/4/99	10:28a
hxst1530	ASCII	275,214	3/4/99	10:28a
hxst1540	ASCII	275,339	3/4/99	10:28a
hxst1550	ASCII	275,179	3/4/99	10:28a
hxst1620	ASCII	275,084	3/4/99	10:28a
hxst1630	ASCII	275,084	3/4/99	10:28a
hxst1740	ASCII	275,595	3/4/99	10:28a
hxst1750	ASCII	275,500	3/4/99	10:28a
hxst1780	ASCII	275,324	3/4/99	10:28a
hxst1840	ASCII	275,497	3/4/99	10:28a
hxst1870	ASCII	275,402	3/4/99	10:28a
hxst1920	ASCII	275,386	3/4/99	10:28a
hxst1930	ASCII	275,339	3/4/99	10:28a
hxt18100	ASCII	275,501	3/4/99	10:28a
hxt18120	ASCII	275,403	3/4/99	10:28a
IECT1010	ASCII	537,516	4/19/99	3:34p
IECT1020	ASCII	437,648	4/16/99	8:21a
IECT1030	ASCII	382,715	4/16/99	8:21a
IECT1040	ASCII	375,470	4/16/99	8:21a
IECT1050	ASCII	550,235	4/16/99	8:21a
IECT1060	ASCII	391,060	4/16/99	8:21a
IECT1070	ASCII	399,410	4/16/99	8:21a
IECT1080	ASCII	409,420	4/16/99	8:21a
IECT1090	ASCII	504,513	4/16/99	8:24a
IECT1100	ASCII	445,550	4/16/99	8:21a
IECT1110	ASCII	457,275	4/16/99	8:21a
IECT1120	ASCII	552,437	4/16/99	8:21a
IECT1130	ASCII	383,011	4/16/99	8:21a
IECT1140	ASCII	393,554	4/16/99	8:21a
IECT1150	ASCII	426,041	4/16/99	8:21a
IECT1160	ASCII	390,408	4/16/99	8:21a
IECT1170	ASCII	623,527	4/16/99	8:21a
IECT1180	ASCII	498,762	4/16/99	8:21a
IECT1190	ASCII	496,656	4/16/99	8:21a
IECT1200	ASCII	559,058	4/16/99	8:21a
IECT1210	ASCII	567,642	4/16/99	8:21a
IECT1220	ASCII	554,712	4/16/99	8:21a
IECT1230	ASCII	459,991	4/16/99	8:21a
IECT1240	ASCII	483,298	4/16/99	8:21a
IECT1250	ASCII	419,777	4/16/99	8:21a
IECT1260	ASCII	434,192	4/16/99	1:50p
IECT1270	ASCII	420,394	4/16/99	8:21a
IECT1280	ASCII	431,926	4/16/99	1:40p
IECT1290	ASCII	417,090	4/16/99	8:21a
leuja010	ASCII	270,193	2/27/99	8:58a
leuja140	ASCII	268,983	2/27/99	9:26a
leuja290	ASCII	271,493	2/27/99	10:13a
leuja300	ASCII	269,849	2/27/99	10:42a
leuja320	ASCII	270,186	2/27/99	11:14a

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Table II-1. MCNP Output File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
leuja33O	ASCII	271,490	2/27/99	12:01p
leuja34O	ASCII	271,588	2/27/99	12:49p
leuja36O	ASCII	270,281	2/27/99	1:23p
leuja46O	ASCII	271,588	2/27/99	2:11p
leuja49O	ASCII	270,183	2/27/99	2:46p
leuja51O	ASCII	271,395	2/27/99	3:34p
leuja54O	ASCII	271,588	2/27/99	4:24p
leust21O	ASCII	384,179	3/4/99	10:34a
leust22O	ASCII	382,883	3/4/99	10:34a
leust23O	ASCII	382,994	3/4/99	10:34a
pnl1158O	ASCII	313,681	2/27/99	7:58p
pnl1159O	ASCII	313,445	2/27/99	11:27p
pnl1161O	ASCII	313,027	2/28/99	2:46a
pnl1577O	ASCII	336,683	2/28/99	4:23a
pnl1678O	ASCII	264,023	2/28/99	5:54a
pnl1783O	ASCII	344,864	2/28/99	7:30a
pnl1868O	ASCII	345,249	2/28/99	9:08a
pnl1969O	ASCII	264,366	2/28/99	10:43a
pnl2070O	ASCII	336,688	2/28/99	12:20p
pnl2565O	ASCII	336,851	2/28/99	2:17p
pnl2666O	ASCII	264,114	2/28/99	4:14p
pnl2767O	ASCII	345,507	2/28/99	6:11p
pnl3187O	ASCII	331,299	2/28/99	7:40p
pnl3391O	ASCII	345,212	2/28/99	9:10p
pnl3492O	ASCII	345,222	2/28/99	10:32p
pnl3593O	ASCII	345,348	2/28/99	11:55p
pnl3694O	ASCII	332,235	3/1/99	1:23a
pnl3795O	ASCII	345,629	3/1/99	2:41a
pnl3808O	ASCII	345,651	3/1/99	4:18a
pnl3896O	ASCII	345,566	3/1/99	5:43a
pnl3897O	ASCII	345,714	3/1/99	7:22a
pnl3898O	ASCII	345,340	3/1/99	8:49a
pnl3999O	ASCII	268,765	3/1/99	10:13a
pnl5300O	ASCII	261,398	3/1/99	11:44a
pu003-1O	ASCII	831,019	3/4/99	8:05a
pu003-2O	ASCII	831,135	3/4/99	8:04a
pu003-3O	ASCII	831,136	3/4/99	8:04a
pu003-4O	ASCII	831,135	3/4/99	8:05a
pu003-5O	ASCII	831,135	3/4/99	8:05a
pu003-6O	ASCII	831,136	3/4/99	8:04a
pu003-7O	ASCII	832,079	3/4/99	8:04a
pu003-8O	ASCII	832,196	3/4/99	8:05a
pu004-1O	ASCII	830,766	3/4/99	8:05a
pu004-2O	ASCII	831,019	3/4/99	8:04a
pu004-3O	ASCII	831,019	3/4/99	8:04a
pu004-4O	ASCII	830,882	3/4/99	8:05a
pu004-5O	ASCII	830,882	3/4/99	8:05a
pu004-6O	ASCII	831,019	3/4/99	8:04a
pu004-7O	ASCII	831,136	3/4/99	8:04a
pu004-8O	ASCII	831,019	3/4/99	8:05a
pu004-9O	ASCII	831,231	3/4/99	8:05a
pu005-1O	ASCII	831,135	3/4/99	8:04a
pu005-2O	ASCII	831,135	3/4/99	8:04a
pu005-3O	ASCII	831,135	3/4/99	8:05a
pu005-4O	ASCII	831,012	3/4/99	8:05a
pu005-5O	ASCII	831,003	3/4/99	8:04a

Table II-1. MCNP Output File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
pu005-6O	ASCII	831,136	3/4/99	8:04a
pu005-7O	ASCII	831,019	3/4/99	8:04a
pu005-8O	ASCII	831,019	3/4/99	8:05a
pu005-9O	ASCII	831,019	3/4/99	8:04a
pu007-2O	ASCII	833,583	3/4/99	8:04a
pu007-3O	ASCII	833,520	3/4/99	8:04a
pu007-5O	ASCII	833,520	3/4/99	8:05a
pu007-6O	ASCII	833,637	3/4/99	8:04a
pu007-7O	ASCII	833,753	3/4/99	8:04a
pu007-8O	ASCII	833,520	3/4/99	8:04a
pu007-9O	ASCII	833,636	3/4/99	8:05a
pu04-10O	ASCII	830,766	3/4/99	8:05a
pu04-11O	ASCII	830,883	3/4/99	8:05a
pu04-12O	ASCII	830,766	3/4/99	8:05a
pu04-13O	ASCII	831,135	3/4/99	8:05a
pu07-10O	ASCII	833,636	3/4/99	8:05a
pu10091O	ASCII	841,805	3/4/99	8:05a
pu10092O	ASCII	842,038	3/4/99	8:05a
pu10093O	ASCII	841,922	3/4/99	8:05a
pu10111O	ASCII	842,038	3/4/99	8:05a
pu10112O	ASCII	841,805	3/4/99	8:05a
pu10113O	ASCII	841,922	3/4/99	8:05a
pu10114O	ASCII	841,805	3/4/99	8:09a
pu10115O	ASCII	842,038	3/4/99	8:09a
pu10116O	ASCII	841,953	3/4/99	8:09a
pu10117O	ASCII	841,921	3/4/99	8:09a
pu10121O	ASCII	841,921	3/4/99	8:09a
pu10122O	ASCII	841,922	3/4/99	8:09a
pu10123O	ASCII	841,922	3/4/99	8:10a
pu10124O	ASCII	841,805	3/4/99	8:10a
pu11161O	ASCII	829,364	3/4/99	8:10a
pu11162O	ASCII	829,131	3/4/99	8:10a
pu11163O	ASCII	829,500	3/4/99	8:10a
pu11164O	ASCII	829,247	3/4/99	8:10a
pu11165O	ASCII	828,813	3/4/99	8:10a
pu11181O	ASCII	831,505	3/4/99	8:10a
pu11182O	ASCII	831,143	3/4/99	8:10a
pu11183O	ASCII	831,026	3/4/99	8:10a
pu11184O	ASCII	831,259	3/4/99	8:10a
pu11185O	ASCII	831,143	3/4/99	8:10a
pu11186O	ASCII	830,824	3/4/99	8:10a
pu11187O	ASCII	830,931	3/4/99	8:10a
pust1t1O	ASCII	423,055	3/4/99	8:01a
pust1t2O	ASCII	422,844	3/4/99	8:01a
pust1t3O	ASCII	422,737	3/4/99	8:01a
pust1t4O	ASCII	422,835	3/4/99	8:01a
pust1t5O	ASCII	422,849	3/4/99	8:01a
pust1t6O	ASCII	422,840	3/4/99	8:01a
pust9-1O	ASCII	155,935	3/4/99	8:01a
pust9-2O	ASCII	155,025	3/4/99	8:01a
pust9-3O	ASCII	155,128	3/4/99	8:01a
u2331aO	ASCII	924,498	3/4/99	8:07a
u2332aO	ASCII	925,716	3/4/99	8:07a
u2332bO	ASCII	926,732	3/4/99	8:07a
u2333aO	ASCII	927,084	3/4/99	8:07a
u2333bO	ASCII	926,970	3/4/99	8:07a

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Table II-1. MCNP Output File Listing for ENDF/B-V Cases

Filename	File Type	File Size (bytes)	File Date	File Time
u2334a1O	ASCII	927,263	3/4/99	8:07a
u2334b1O	ASCII	928,288	3/4/99	8:07a
u2335aO	ASCII	925,260	3/4/99	8:07a
u2335bO	ASCII	927,695	3/4/99	8:07a
u2336aO	ASCII	876,940	3/4/99	8:07a
u233s1O	ASCII	939,244	3/4/99	8:07a
u233s2O	ASCII	941,330	3/4/99	8:07a
u233s3O	ASCII	941,391	3/4/99	8:07a
u233s4O	ASCII	941,505	3/4/99	8:07a
u233s5O	ASCII	941,505	3/4/99	8:07a
u233s6O	ASCII	940,007	3/4/99	8:07a
ugd1.O	ASCII	602,572	3/4/99	8:25a
ugd10.O	ASCII	603,187	3/4/99	8:25a
ugd12.O	ASCII	603,087	3/4/99	8:25a
ugd13.O	ASCII	603,277	3/4/99	8:25a
ugd14.O	ASCII	603,223	3/4/99	8:25a
ugd15.O	ASCII	603,307	3/4/99	8:25a
ugd16.O	ASCII	603,122	3/4/99	8:25a
ugd17.O	ASCII	603,223	3/4/99	8:25a
ugd18.O	ASCII	602,221	3/4/99	8:25a
ugd19.O	ASCII	602,357	3/4/99	8:25a
ugd2.O	ASCII	603,046	3/4/99	8:25a
ugd20.O	ASCII	602,463	3/4/99	8:25a
ugd3.O	ASCII	602,718	3/4/99	8:25a
ugd4.O	ASCII	602,915	3/4/99	8:25a
ugd5.O	ASCII	603,004	3/4/99	8:25a
ugd6.O	ASCII	603,194	3/4/99	8:25a
ugd7.O	ASCII	603,176	3/4/99	8:25a
ugd8.O	ASCII	603,105	3/4/99	8:25a
ugd9.O	ASCII	603,279	3/4/99	8:25a

ATTACHMENT III

This attachment contains the MCNP input files for the LCE reactivity calculations that were performed using the ENDF/B-VI cross-section library. The input files are contained on an attachment CD of this calculation file (the attachment CD has been moved to Reference 7.9). The information contained in this hard-copy representation of Attachment III is a listing of the various MCNP input files and their attributes. The files are listed in Table III-1. The CD containing Attachment III was written using the Hewlett Packard (HP) CD-Writer Plus model 7200e external CD-rewritable drive for personal computers.

Table III-1. MCNP Input File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
awre1	ASCII	3,865	2/17/99	2:09p
awre10	ASCII	3,869	2/17/99	2:09p
awre2	ASCII	3,872	2/17/99	2:09p
awre3	ASCII	3,870	2/17/99	2:09p
awre4	ASCII	3,866	2/17/99	2:09p
awre5	ASCII	3,873	2/17/99	2:09p
awre6	ASCII	3,873	2/17/99	2:09p
awre7	ASCII	3,869	2/17/99	2:09p
awre8	ASCII	3,873	2/17/99	2:09p
awre9	ASCII	3,869	2/17/99	2:09p
core10e5	ASCII	12,117	12/18/98	10:39a
core11e5	ASCII	12,862	12/18/98	10:39a
core12e5	ASCII	12,860	12/18/98	10:39a
core13e5	ASCII	13,341	12/18/98	10:39a
core15e5	ASCII	13,343	12/18/98	10:39a
core16e5	ASCII	13,341	12/18/98	10:39a
core17e5	ASCII	13,343	12/18/98	10:39a
core18e5	ASCII	13,341	12/18/98	10:39a
core19e5	ASCII	13,343	12/18/98	10:39a
core20e5	ASCII	13,341	12/18/98	10:39a
core21e5	ASCII	13,329	12/18/98	10:39a
core2e5	ASCII	9,086	12/18/98	10:39a
core3e5	ASCII	9,154	12/18/98	10:39a
core4e5	ASCII	11,713	12/18/98	10:39a
core5e5	ASCII	11,772	12/18/98	10:39a
core6e5	ASCII	11,772	12/18/98	10:39a
core7e5	ASCII	11,916	12/18/98	10:39a
core8e5	ASCII	11,916	12/18/98	10:39a
core9e5	ASCII	11,784	12/18/98	10:39a
exp10e5	ASCII	6,554	12/18/98	10:40a
exp11e5	ASCII	6,742	12/18/98	10:40a
exp12e5	ASCII	11,425	12/18/98	10:40a
exp13e5	ASCII	13,514	12/18/98	10:40a
exp14e5	ASCII	5,234	12/18/98	10:40a
exp15e5	ASCII	5,502	12/18/98	10:40a
exp17e5	ASCII	5,258	12/18/98	10:40a
exp18e5	ASCII	5,121	12/18/98	10:40a
exp1e5	ASCII	6,425	12/18/98	10:40a
exp22e5	ASCII	6,095	12/18/98	10:40a
exp23e5	ASCII	6,193	12/18/98	10:40a
exp24e5	ASCII	8,083	12/18/98	10:40a
exp25e5	ASCII	7,072	12/18/98	10:40a
exp26e5	ASCII	6,350	12/18/98	10:40a
exp27e5	ASCII	7,415	12/18/98	10:40a

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Table III-1. MCNP Input File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
exp28e5	ASCII	5,618	4/15/99	3:55p
exp29e5	ASCII	5,108	12/18/98	10:40a
exp2e5	ASCII	9,001	12/18/98	10:40a
exp30e5	ASCII	5,224	12/18/98	10:40a
exp31e5	ASCII	4,946	12/18/98	10:40a
exp32e5	ASCII	4,921	12/18/98	10:40a
exp33e5	ASCII	4,827	12/18/98	10:40a
exp34e5	ASCII	9,764	12/18/98	10:40a
exp3e5	ASCII	7,535	12/18/98	10:40a
exp4e5	ASCII	8,113	12/18/98	10:40a
exp5e5	ASCII	6,871	12/18/98	10:40a
exp6e5	ASCII	6,548	12/18/98	10:40a
exp7e5	ASCII	7,637	12/18/98	10:40a
exp8e5	ASCII	5,940	12/18/98	10:40a
exp9e5	ASCII	6,381	12/18/98	10:40a
hest1-1	ASCII	1,366	2/19/99	2:33p
hest1-2	ASCII	1,388	2/19/99	2:33p
hest1-3	ASCII	804	2/19/99	2:33p
hest1-4	ASCII	808	2/19/99	2:33p
hest1-5	ASCII	811	4/12/99	11:10a
hest1-6	ASCII	810	2/19/99	2:33p
hest1-7	ASCII	810	2/19/99	2:33p
hest1-8	ASCII	809	2/19/99	2:33p
hest1-9	ASCII	807	2/19/99	2:33p
hest110	ASCII	812	2/19/99	2:33p
hest131	ASCII	756	2/19/99	2:33p
hest132	ASCII	808	2/19/99	2:33p
hest133	ASCII	808	2/19/99	2:33p
hest134	ASCII	808	2/19/99	2:33p
hest141	ASCII	1,486	2/19/99	2:33p
hest142	ASCII	1,659	2/19/99	2:33p
hest143	ASCII	1,649	2/19/99	2:33p
hest151	ASCII	1,474	2/19/99	2:33p
hest152	ASCII	1,471	2/19/99	2:33p
hest153	ASCII	1,648	2/19/99	2:33p
hest154	ASCII	1,648	2/19/99	2:33p
hest155	ASCII	1,658	2/19/99	2:33p
hest161	ASCII	1,479	2/19/99	2:33p
hest162	ASCII	1,647	2/19/99	2:33p
hest163	ASCII	1,649	2/19/99	2:33p
hest171	ASCII	1,478	2/19/99	2:33p
hest172	ASCII	1,473	2/19/99	2:33p
hest173	ASCII	1,468	2/19/99	2:33p
hest174	ASCII	1,647	2/19/99	2:33p
hest175	ASCII	1,648	2/19/99	2:33p
hest176	ASCII	1,658	2/19/99	2:33p
hest177	ASCII	1,657	2/19/99	2:33p
hest178	ASCII	1,658	2/19/99	2:33p
hest181	ASCII	1,471	2/19/99	2:33p
hest182	ASCII	1,472	2/19/99	2:33p
hest183	ASCII	1,469	2/19/99	2:33p
hest184	ASCII	1,648	2/19/99	2:33p
hest185	ASCII	1,658	2/19/99	2:33p
hest186	ASCII	1,657	2/19/99	2:33p
hest187	ASCII	1,648	2/19/99	2:33p
hest188	ASCII	1,658	2/19/99	2:33p

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Table III-1. MCNP Input File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
hest189	ASCII	1,657	2/19/99	2:33p
hest191	ASCII	1,471	2/19/99	2:33p
hest192	ASCII	1,648	2/19/99	2:33p
hest193	ASCII	1,648	2/19/99	2:33p
hest2-1	ASCII	2,886	2/19/99	2:33p
hest2-2	ASCII	2,881	2/19/99	2:33p
hest2-3	ASCII	2,842	2/19/99	2:33p
hest2-4	ASCII	2,882	2/19/99	2:33p
hest2-5	ASCII	2,328	2/19/99	2:33p
hest2-6	ASCII	2,380	2/19/99	2:33p
hest2-7	ASCII	2,303	2/19/99	2:33p
hest2-8	ASCII	2,320	2/19/99	2:33p
hest2-9	ASCII	2,302	2/19/99	2:33p
hest210	ASCII	2,328	2/19/99	2:33p
hest211	ASCII	2,306	2/19/99	2:33p
hest212	ASCII	2,376	2/19/99	2:33p
hest213	ASCII	2,307	2/19/99	2:33p
hest214	ASCII	2,327	2/19/99	2:33p
hest310	ASCII	2,552	2/19/99	2:33p
hest311	ASCII	2,539	2/19/99	2:33p
hest312	ASCII	2,553	2/19/99	2:33p
hest313	ASCII	2,592	2/19/99	2:33p
hest314	ASCII	2,555	2/19/99	2:33p
hest315	ASCII	2,567	4/15/99	3:53p
hest316	ASCII	2,506	2/19/99	2:33p
hest317	ASCII	2,563	2/19/99	2:33p
hest318	ASCII	2,509	2/19/99	2:33p
hest319	ASCII	2,558	2/19/99	2:33p
hest710	ASCII	5,829	2/19/99	2:33p
hest711	ASCII	5,829	2/19/99	2:33p
hest712	ASCII	5,209	2/19/99	2:33p
hest713	ASCII	5,209	2/19/99	2:33p
hest714	ASCII	4,565	2/19/99	2:33p
hest715	ASCII	5,152	2/19/99	2:33p
hest716	ASCII	5,726	2/19/99	2:33p
hest717	ASCII	5,106	2/19/99	2:33p
hest813	ASCII	5,350	4/8/99	2:04p
heust31	ASCII	3,060	2/19/99	2:33p
heust32	ASCII	3,094	2/19/99	2:33p
heust33	ASCII	3,060	2/19/99	2:33p
heust34	ASCII	3,007	2/19/99	2:33p
heust35	ASCII	3,060	2/19/99	2:33p
heust36	ASCII	3,060	2/19/99	2:33p
heust37	ASCII	2,543	2/19/99	2:33p
heust38	ASCII	2,574	2/19/99	2:33p
heust39	ASCII	2,567	2/19/99	2:33p
heust71	ASCII	5,812	2/19/99	2:33p
heust72	ASCII	5,828	2/19/99	2:33p
heust73	ASCII	4,725	2/19/99	2:33p
heust74	ASCII	4,745	2/19/99	2:33p
heust75	ASCII	5,604	4/19/99	12:46p
heust76	ASCII	5,617	2/19/99	2:33p
heust77	ASCII	4,575	2/19/99	2:33p
heust78	ASCII	4,591	2/19/99	2:33p
heust79	ASCII	4,590	2/19/99	2:33p
heust81	ASCII	5,433	4/15/99	3:54p

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Table III-1. MCNP Input File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
heust83	ASCII	4,702	4/15/99	3:54p
heust86	ASCII	5,232	2/19/99	2:33p
heust89	ASCII	5,768	4/19/99	10:56a
hst1810	ASCII	1,655	2/19/99	2:33p
hst1811	ASCII	1,654	2/19/99	2:33p
hst1812	ASCII	1,654	2/19/99	2:33p
hxst142	ASCII	1,710	2/19/99	2:33p
hxst143	ASCII	1,699	2/19/99	2:33p
hxst153	ASCII	1,700	2/19/99	2:33p
hxst154	ASCII	1,699	2/19/99	2:33p
hxst155a	ASCII	1,698	2/19/99	2:33p
hxst162	ASCII	1,698	2/19/99	2:33p
hxst163	ASCII	1,701	2/19/99	2:33p
hxst174	ASCII	1,699	2/19/99	2:33p
hxst175	ASCII	1,700	2/19/99	2:33p
hxst178	ASCII	1,710	2/19/99	2:33p
hxst184	ASCII	1,700	2/19/99	2:33p
hxst187	ASCII	1,700	2/19/99	2:33p
hxst192	ASCII	1,700	2/19/99	2:33p
hxst193	ASCII	1,700	2/19/99	2:33p
hxt1810	ASCII	1,711	2/19/99	2:33p
hxt1812	ASCII	1,710	2/19/99	2:33p
IECT101	ASCII	22,206	4/19/99	3:16p
IECT102	ASCII	6,224	4/16/99	8:43a
IECT103	ASCII	4,474	4/16/99	8:43a
IECT104	ASCII	4,081	4/16/99	8:43a
IECT105	ASCII	10,229	4/16/99	8:43a
IECT106	ASCII	4,682	4/16/99	8:43a
IECT107	ASCII	4,904	4/16/99	8:43a
IECT108	ASCII	5,236	4/16/99	8:43a
IECT109	ASCII	7,150	4/16/99	8:43a
IECT110	ASCII	6,662	4/16/99	8:45a
IECT111	ASCII	7,439	4/16/99	8:45a
IECT112	ASCII	11,715	4/16/99	8:45a
IECT113	ASCII	4,419	4/16/99	8:45a
IECT114	ASCII	4,994	4/19/99	3:57p
IECT115	ASCII	6,570	4/16/99	8:45a
IECT116	ASCII	3,892	4/16/99	8:45a
IECT117	ASCII	13,754	4/16/99	8:45a
IECT118	ASCII	9,531	4/16/99	8:45a
IECT119	ASCII	6,211	4/16/99	8:45a
IECT120	ASCII	5,848	4/16/99	8:45a
IECT121	ASCII	4,213	4/16/99	8:45a
IECT122	ASCII	10,564	4/16/99	1:39p
IECT123	ASCII	7,349	4/16/99	2:33p
IECT124	ASCII	8,159	4/16/99	8:45a
IECT125	ASCII	4,922	4/16/99	2:33p
IECT126	ASCII	4,067	4/16/99	8:51a
IECT127	ASCII	3,753	4/16/99	8:51a
IECT128	ASCII	4,821	4/19/99	1:00p
IECT129	ASCII	3,766	4/16/99	8:51a
leuja01	ASCII	1,807	2/19/99	2:39p
leuja14	ASCII	1,782	2/19/99	2:39p
leuja29	ASCII	1,810	2/19/99	2:39p
leuja30	ASCII	1,782	2/19/99	2:39p
leuja32	ASCII	1,782	2/19/99	2:39p

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Table III-1. MCNP Input File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
leuja33	ASCII	1,810	2/19/99	2:39p
leuja34	ASCII	1,810	2/19/99	2:39p
leuja36	ASCII	1,782	2/19/99	2:39p
leuja46	ASCII	1,810	2/19/99	2:39p
leuja49	ASCII	1,784	2/19/99	2:39p
leuja51	ASCII	1,810	2/19/99	2:39p
leuja54	ASCII	1,812	2/19/99	2:39p
leust21	ASCII	1,044	2/19/99	2:39p
leust22	ASCII	988	2/19/99	2:39p
leust23	ASCII	1,066	2/19/99	2:39p
pnl1158	ASCII	4,051	2/17/99	2:23p
pnl1159	ASCII	4,050	2/17/99	2:23p
pnl1161	ASCII	4,050	2/17/99	2:23p
pnl1577	ASCII	10,315	2/17/99	2:23p
pnl1678	ASCII	6,373	2/17/99	2:23p
pnl1783	ASCII	11,323	2/17/99	2:23p
pnl1868	ASCII	11,350	2/17/99	2:23p
pnl1969	ASCII	6,373	2/17/99	2:23p
pnl2070	ASCII	10,311	2/17/99	2:23p
pnl2565	ASCII	10,336	2/17/99	2:23p
pnl2666	ASCII	6,360	2/17/99	2:23p
pnl2767	ASCII	11,354	2/17/99	2:23p
pnl3187	ASCII	6,791	2/17/99	2:23p
pnl3391	ASCII	8,466	2/17/99	2:23p
pnl3492	ASCII	8,491	2/17/99	2:23p
pnl3593	ASCII	8,491	2/17/99	2:23p
pnl3694	ASCII	7,451	2/17/99	2:23p
pnl3795	ASCII	8,488	2/17/99	2:23p
pnl3808	ASCII	8,491	2/17/99	2:23p
pnl3896	ASCII	8,488	2/17/99	2:23p
pnl3897	ASCII	8,487	2/17/99	2:23p
pnl3898	ASCII	8,490	2/17/99	2:23p
pnl3999	ASCII	7,483	2/17/99	2:23p
pnl5300	ASCII	5,319	2/17/99	2:23p
pu003-1	ASCII	1,450	2/17/99	2:21p
pu003-2	ASCII	1,457	2/17/99	2:21p
pu003-3	ASCII	1,454	2/17/99	2:21p
pu003-4	ASCII	1,449	2/17/99	2:21p
pu003-5	ASCII	1,450	2/17/99	2:21p
pu003-6	ASCII	1,450	2/17/99	2:21p
pu003-7	ASCII	1,204	2/17/99	2:21p
pu003-8	ASCII	1,204	2/17/99	2:21p
pu004-1	ASCII	1,472	2/17/99	2:21p
pu004-2	ASCII	1,477	2/17/99	2:21p
pu004-3	ASCII	1,476	2/17/99	2:21p
pu004-4	ASCII	1,472	2/17/99	2:21p
pu004-5	ASCII	1,472	2/17/99	2:21p
pu004-6	ASCII	1,472	2/17/99	2:21p
pu004-7	ASCII	1,472	2/17/99	2:21p
pu004-8	ASCII	1,477	2/17/99	2:21p
pu004-9	ASCII	1,481	2/17/99	2:21p
pu005-1	ASCII	1,475	2/17/99	2:21p
pu005-2	ASCII	1,479	2/17/99	2:21p
pu005-3	ASCII	1,478	2/17/99	2:21p
pu005-4	ASCII	1,472	2/17/99	2:21p
pu005-5	ASCII	1,475	2/17/99	2:21p

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Table III-1. MCNP Input File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
pu005-6	ASCII	1,471	2/17/99	2:21p
pu005-7	ASCII	1,471	2/17/99	2:21p
pu005-8	ASCII	1,471	2/17/99	2:21p
pu005-9	ASCII	1,476	2/17/99	2:21p
pu007-2	ASCII	1,417	2/17/99	2:21p
pu007-3	ASCII	1,420	2/17/99	2:21p
pu007-5	ASCII	1,414	2/17/99	2:21p
pu007-6	ASCII	1,422	2/17/99	2:21p
pu007-7	ASCII	1,415	2/17/99	2:21p
pu007-8	ASCII	1,423	2/17/99	2:21p
pu007-9	ASCII	1,418	2/17/99	2:21p
pu04-10	ASCII	1,473	2/17/99	2:21p
pu04-11	ASCII	1,474	2/17/99	2:21p
pu04-12	ASCII	1,477	2/17/99	2:21p
pu04-13	ASCII	1,473	2/17/99	2:21p
pu07-10	ASCII	1,420	2/17/99	2:21p
pu10091	ASCII	2,570	2/17/99	2:21p
pu10092	ASCII	2,547	2/17/99	2:21p
pu10093	ASCII	2,600	2/17/99	2:21p
pu10111	ASCII	2,622	2/17/99	2:21p
pu10112	ASCII	2,614	2/17/99	2:21p
pu10113	ASCII	2,608	2/17/99	2:21p
pu10114	ASCII	2,645	2/17/99	2:21p
pu10115	ASCII	2,539	2/17/99	2:21p
pu10116	ASCII	2,623	2/17/99	2:21p
pu10117	ASCII	2,599	2/17/99	2:21p
pu10121	ASCII	2,598	2/17/99	2:21p
pu10122	ASCII	2,602	2/17/99	2:21p
pu10123	ASCII	2,599	2/17/99	2:21p
pu10124	ASCII	2,599	2/17/99	2:21p
pu11161	ASCII	1,276	2/17/99	2:21p
pu11162	ASCII	1,277	2/17/99	2:21p
pu11163	ASCII	1,277	2/17/99	2:21p
pu11164	ASCII	1,282	2/17/99	2:21p
pu11165	ASCII	1,278	2/17/99	2:21p
pu11181	ASCII	1,406	2/17/99	2:21p
pu11182	ASCII	1,405	2/17/99	2:21p
pu11183	ASCII	1,411	2/17/99	2:21p
pu11184	ASCII	1,406	2/17/99	2:21p
pu11185	ASCII	1,406	2/17/99	2:21p
pu11186	ASCII	1,406	2/17/99	2:21p
pu11187	ASCII	1,404	2/17/99	2:21p
pust1t1	ASCII	1,880	2/17/99	2:21p
pust1t2	ASCII	1,885	2/17/99	2:21p
pust1t3	ASCII	1,896	2/17/99	2:21p
pust1t4	ASCII	1,895	2/17/99	2:21p
pust1t5	ASCII	1,906	2/17/99	2:21p
pust1t6	ASCII	1,904	2/17/99	2:21p
pust9-1	ASCII	2,174	4/15/99	3:57p
pust9-2	ASCII	2,184	2/17/99	2:21p
pust9-3	ASCII	2,068	2/17/99	2:21p
u2331a	ASCII	382	2/17/99	2:20p
u2332a	ASCII	461	2/17/99	2:20p
u2332b	ASCII	462	2/17/99	2:20p
u2333a	ASCII	466	2/17/99	2:20p
u2333b	ASCII	466	2/17/99	2:20p

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Table III-1. MCNP Input File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
u2334a1	ASCII	747	2/17/99	2:20p
u2334b1	ASCII	751	2/17/99	2:20p
u2335a	ASCII	476	2/17/99	2:20p
u2335b	ASCII	478	2/17/99	2:20p
u2336a	ASCII	496	2/17/99	2:20p
u233s1	ASCII	972	2/17/99	2:20p
u233s2	ASCII	1,084	2/17/99	2:20p
u233s3	ASCII	1,084	2/17/99	2:20p
u233s4	ASCII	1,084	2/17/99	2:20p
u233s5	ASCII	1,084	2/17/99	2:20p
u233s6	ASCII	862	2/17/99	2:20p
ugd10e5	ASCII	41,798	4/12/99	10:36a
ugd12e5	ASCII	41,720	4/12/99	10:36a
ugd13e5	ASCII	41,817	4/12/99	10:36a
ugd14e5	ASCII	41,779	4/12/99	10:36a
ugd15e5	ASCII	41,874	4/12/99	10:36a
ugd16e5	ASCII	41,779	4/12/99	10:36a
ugd17e5	ASCII	41,842	4/12/99	10:36a
ugd18e5	ASCII	41,392	4/12/99	10:36a
ugd19e5	ASCII	41,446	4/12/99	10:36a
ugd1e5	ASCII	41,636	4/12/99	10:36a
ugd20e5	ASCII	41,446	4/12/99	10:36a
ugd2e5	ASCII	41,758	4/12/99	10:36a
ugd3e5	ASCII	41,637	4/12/99	10:36a
ugd4e5	ASCII	41,692	4/12/99	10:36a
ugd5e5	ASCII	41,714	4/12/99	10:36a
ugd6e5	ASCII	41,797	4/12/99	10:36a
ugd7e5	ASCII	41,738	4/12/99	10:36a
ugd8e5	ASCII	41,716	4/12/99	10:36a
ugd9e5	ASCII	41,814	4/12/99	10:36a

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ATTACHMENT IV

This attachment contains the MCNP output files for the LCE reactivity calculations that were performed using the ENDF/B-VI cross-section library. The output files are contained on an attachment CD of this calculation file (the attachment CD has been moved to Reference 7.9). The information contained in this hard-copy representation of Attachment IV is a listing of the various MCNP output files and their attributes. The files are listed in Table IV-1. The CD containing Attachment IV was written using the Hewlett Packard (HP) CD-Writer Plus model 7200e external CD-rewritable drive for personal computers.

Table IV-1. MCNP Output File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
awre100	ASCII	314,633	2/17/99	2:09p
awre10	ASCII	314,162	2/17/99	2:09p
awre20	ASCII	314,062	2/17/99	2:09p
awre30	ASCII	313,862	2/17/99	2:09p
awre40	ASCII	313,962	2/17/99	2:09p
awre50	ASCII	314,062	2/17/99	2:09p
awre60	ASCII	314,162	2/17/99	2:09p
awre70	ASCII	314,062	2/17/99	2:09p
awre80	ASCII	314,751	2/17/99	2:09p
awre90	ASCII	314,855	2/17/99	2:09p
core10.O	ASCII	652,327	12/18/98	6:07p
core11.O	ASCII	725,998	12/18/98	6:30p
core12.O	ASCII	725,845	12/18/98	6:53p
core13.O	ASCII	716,753	12/18/98	7:16p
core15.O	ASCII	716,753	12/18/98	7:37p
core16.O	ASCII	716,393	12/18/98	7:59p
core17.O	ASCII	716,753	12/18/98	8:19p
core18.O	ASCII	716,494	12/18/98	8:41p
core19.O	ASCII	716,753	12/18/98	9:01p
core2.O	ASCII	625,570	12/18/98	10:06p
core20.O	ASCII	716,494	12/18/98	9:23p
core21.O	ASCII	715,966	12/18/98	9:47p
core3.O	ASCII	625,108	12/18/98	10:26p
core4.O	ASCII	626,473	12/18/98	10:47p
core5.O	ASCII	626,674	12/18/98	11:10p
core6.O	ASCII	626,568	12/18/98	11:31p
core7.O	ASCII	626,769	12/18/98	11:55p
core8.O	ASCII	626,769	12/19/98	12:18a
core9.O	ASCII	627,509	12/19/98	12:45a
exp1.O	ASCII	623,306	12/20/98	1:20a
exp10.O	ASCII	619,842	12/19/98	7:09p
exp11.O	ASCII	623,091	12/19/98	7:32p
exp12.O	ASCII	696,367	12/19/98	8:28p
exp13.O	ASCII	742,616	12/19/98	9:23p
exp14.O	ASCII	609,280	12/19/98	10:27p
exp15.O	ASCII	608,856	12/19/98	11:27p
exp17.O	ASCII	622,023	12/19/98	11:55p
exp18.O	ASCII	621,447	12/20/98	12:20a
exp2.O	ASCII	651,203	12/20/98	5:00a
exp22.O	ASCII	619,930	12/20/98	1:48a
exp23.O	ASCII	623,697	12/20/98	2:10a
exp24.O	ASCII	621,796	12/20/98	2:37a
exp25.O	ASCII	623,401	12/20/98	2:54a
exp26.O	ASCII	619,537	12/20/98	3:20a

Table IV-1. MCNP Output File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
exp27.O	ASCII	624,362	12/20/98	3:37a
exp28.O	ASCII	620,404	4/15/99	3:55p
exp29.O	ASCII	617,255	12/20/98	4:03a
exp3.O	ASCII	643,685	12/20/98	8:09a
exp30.O	ASCII	620,303	12/20/98	5:21a
exp31.O	ASCII	616,791	12/20/98	5:45a
exp32.O	ASCII	616,696	12/20/98	6:09a
exp33.O	ASCII	616,506	12/20/98	6:32a
exp34.O	ASCII	724,299	12/20/98	7:08a
exp4.O	ASCII	648,009	12/20/98	9:08a
exp5.O	ASCII	623,835	12/20/98	10:02a
exp6.O	ASCII	624,739	12/20/98	11:04a
exp7.O	ASCII	637,573	12/20/98	11:59a
exp8.O	ASCII	606,355	12/20/98	1:09p
exp9.O	ASCII	610,382	12/20/98	1:59p
hest1-1O	ASCII	388,572	2/19/99	2:33p
hest1-2O	ASCII	388,332	2/19/99	2:33p
hest1-3O	ASCII	379,384	2/19/99	2:33p
hest1-4O	ASCII	379,490	2/19/99	2:33p
hest1-5O	ASCII	423,961	4/16/99	2:10p
hest1-6O	ASCII	379,384	2/19/99	2:33p
hest1-7O	ASCII	379,490	2/19/99	2:33p
hest1-8O	ASCII	379,522	2/19/99	2:33p
hest1-9O	ASCII	379,490	2/19/99	2:33p
hest110O	ASCII	379,389	2/19/99	2:33p
hest131O	ASCII	381,539	2/19/99	2:33p
hest132O	ASCII	383,340	2/19/99	2:33p
hest133O	ASCII	383,229	2/19/99	2:33p
hest134O	ASCII	382,472	2/19/99	2:33p
hest141O	ASCII	280,147	2/19/99	2:33p
hest142O	ASCII	284,119	2/19/99	2:33p
hest143O	ASCII	283,863	2/19/99	2:33p
hest151O	ASCII	279,934	2/19/99	2:33p
hest152O	ASCII	279,836	2/19/99	2:33p
hest153O	ASCII	283,420	2/19/99	2:33p
hest154O	ASCII	283,545	2/19/99	2:33p
hest155O	ASCII	283,923	2/19/99	2:33p
hest161O	ASCII	280,060	2/19/99	2:33p
hest162O	ASCII	283,703	2/19/99	2:33p
hest163O	ASCII	283,290	2/19/99	2:33p
hest171O	ASCII	280,473	2/19/99	2:33p
hest172O	ASCII	279,616	2/19/99	2:33p
hest173O	ASCII	279,829	2/19/99	2:33p
hest174O	ASCII	283,807	2/19/99	2:33p
hest175O	ASCII	283,608	2/19/99	2:33p
hest176O	ASCII	283,514	2/19/99	2:33p
hest177O	ASCII	283,930	2/19/99	2:33p
hest178O	ASCII	283,451	2/19/99	2:33p
hest181O	ASCII	280,252	2/19/99	2:33p
hest182O	ASCII	279,613	2/19/99	2:33p
hest183O	ASCII	279,934	2/19/99	2:33p
hest184O	ASCII	283,706	2/19/99	2:33p
hest185O	ASCII	283,498	2/19/99	2:33p
hest186O	ASCII	283,514	2/19/99	2:33p
hest187O	ASCII	283,801	2/19/99	2:33p
hest188O	ASCII	283,707	2/19/99	2:33p

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Table IV-1. MCNP Output File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
hest189O	ASCII	283,514	2/19/99	2:33p
hest191O	ASCII	280,029	2/19/99	2:33p
hest192O	ASCII	283,608	2/19/99	2:33p
hest193O	ASCII	283,640	2/19/99	2:33p
hest2-1O	ASCII	388,371	2/18/99	8:37a
hest2-2O	ASCII	239,420	2/18/99	9:01a
hest2-3O	ASCII	236,695	2/18/99	9:24a
hest2-4O	ASCII	239,443	2/18/99	9:48a
hest2-5O	ASCII	229,235	2/18/99	10:11a
hest2-6O	ASCII	230,145	2/18/99	10:35a
hest2-7O	ASCII	229,305	2/18/99	11:00a
hest2-8O	ASCII	229,962	2/18/99	11:23a
hest2-9O	ASCII	229,232	2/18/99	11:49a
hest210O	ASCII	229,889	2/18/99	12:13p
hest211O	ASCII	229,305	2/18/99	12:37p
hest212O	ASCII	229,962	2/18/99	1:01p
hest213O	ASCII	229,162	2/18/99	1:25p
hest214O	ASCII	229,889	2/18/99	1:47p
hest310O	ASCII	230,348	2/18/99	2:13p
hest311O	ASCII	230,278	2/18/99	2:39p
hest312O	ASCII	230,205	2/18/99	3:07p
hest313O	ASCII	230,275	2/18/99	3:34p
hest314O	ASCII	230,278	2/18/99	4:01p
hest315O	ASCII	338,521	4/15/99	3:53p
hest316O	ASCII	230,348	2/18/99	4:54p
hest317O	ASCII	230,275	2/18/99	5:21p
hest318O	ASCII	230,278	2/18/99	5:47p
hest319O	ASCII	230,205	2/18/99	6:12p
hest710O	ASCII	351,961	2/18/99	7:19p
hest711O	ASCII	352,056	2/18/99	8:22p
hest712O	ASCII	337,883	2/18/99	9:34p
hest713O	ASCII	337,981	2/18/99	10:41p
hest714O	ASCII	327,069	2/18/99	11:46p
hest715O	ASCII	337,791	2/19/99	12:52a
hest716O	ASCII	351,866	2/19/99	1:56a
hest717O	ASCII	337,696	2/19/99	3:06a
hest813O	ASCII	552,775	4/8/99	2:05p
heust31O	ASCII	238,974	2/19/99	2:34p
heust32O	ASCII	238,901	2/19/99	2:34p
heust33O	ASCII	239,044	2/19/99	2:34p
heust34O	ASCII	238,971	2/19/99	2:34p
heust35O	ASCII	238,901	2/19/99	2:34p
heust36O	ASCII	239,044	2/19/99	2:34p
heust37O	ASCII	230,666	2/19/99	2:34p
heust38O	ASCII	230,593	2/19/99	2:34p
heust39O	ASCII	230,666	2/19/99	2:34p
heust71O	ASCII	352,692	2/19/99	2:34p
heust72O	ASCII	352,374	2/19/99	2:34p
heust73O	ASCII	327,013	2/19/99	2:34p
heust74O	ASCII	327,580	2/19/99	2:34p
heust75O	ASCII	351,132	4/19/99	12:46p
heust76O	ASCII	352,086	2/19/99	2:34p
heust77O	ASCII	327,610	2/19/99	2:34p
heust78O	ASCII	327,387	2/19/99	2:34p
heust79O	ASCII	327,708	2/19/99	2:34p
heust81O	ASCII	464,070	4/15/99	3:53p

Table IV-1. MCNP Output File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
heust830	ASCII	450,297	4/15/99	3:53p
heust860	ASCII	289,766	2/19/99	2:34p
heust890	ASCII	399,079	4/19/99	10:56a
hst18100	ASCII	283,514	2/19/99	2:34p
hst18110	ASCII	283,927	2/19/99	2:34p
hst18120	ASCII	283,832	2/19/99	2:34p
hxst1420	ASCII	284,437	2/19/99	2:34p
hxst1430	ASCII	284,056	2/19/99	2:34p
hxst1530	ASCII	283,738	2/19/99	2:34p
hxst1540	ASCII	283,961	2/19/99	2:34p
hxst1550	ASCII	283,706	2/22/99	8:01a
hxst1620	ASCII	283,703	2/19/99	2:34p
hxst1630	ASCII	283,608	2/19/99	2:34p
hxst1740	ASCII	284,024	2/19/99	2:34p
hxst1750	ASCII	284,024	2/19/99	2:34p
hxst1780	ASCII	283,549	2/19/99	2:34p
hxst1840	ASCII	284,024	2/19/99	2:34p
hxst1870	ASCII	284,119	2/19/99	2:34p
hxst1920	ASCII	283,926	2/19/99	2:34p
hxst1930	ASCII	283,958	2/19/99	2:34p
hxt18100	ASCII	283,514	2/19/99	2:34p
hxt18120	ASCII	283,816	2/19/99	2:34p
IECT1010	ASCII	535,549	4/19/99	3:16p
IECT1020	ASCII	437,789	4/16/99	8:42a
IECT1030	ASCII	383,079	4/16/99	8:42a
IECT1040	ASCII	375,934	4/16/99	8:42a
IECT1050	ASCII	550,609	4/16/99	8:42a
IECT1060	ASCII	391,534	4/16/99	8:42a
IECT1070	ASCII	399,564	4/16/99	8:42a
IECT1080	ASCII	409,684	4/16/99	8:42a
IECT1090	ASCII	512,057	4/16/99	8:42a
IECT1100	ASCII	445,914	4/16/99	8:46a
IECT1110	ASCII	457,529	4/16/99	8:46a
IECT1120	ASCII	552,654	4/16/99	8:46a
IECT1130	ASCII	383,365	4/16/99	8:46a
IECT1140	ASCII	393,808	4/19/99	3:57p
IECT1150	ASCII	426,405	4/16/99	8:46a
IECT1160	ASCII	390,872	4/16/99	8:46a
IECT1170	ASCII	625,775	4/16/99	8:46a
IECT1180	ASCII	501,010	4/16/99	8:46a
IECT1190	ASCII	498,704	4/16/99	8:46a
IECT1200	ASCII	560,622	4/16/99	8:46a
IECT1210	ASCII	568,106	4/16/99	8:46a
IECT1220	ASCII	555,394	4/16/99	1:39p
IECT1230	ASCII	460,773	4/16/99	2:33p
IECT1240	ASCII	483,841	4/16/99	8:46a
IECT1250	ASCII	420,767	4/16/99	2:33p
IECT1260	ASCII	438,296	4/16/99	8:51a
IECT1270	ASCII	423,857	4/16/99	8:51a
IECT1280	ASCII	432,582	4/19/99	1:00p
IECT1290	ASCII	420,981	4/16/99	8:51a
leuja010	ASCII	278,249	2/19/99	2:39p
leuja140	ASCII	276,876	2/19/99	2:39p
leuja290	ASCII	277,206	2/19/99	2:39p
leuja300	ASCII	276,879	2/19/99	2:39p
leuja320	ASCII	276,781	2/19/99	2:39p

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Table IV-1. MCNP Output File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
leuja33O	ASCII	277,206	2/19/99	2:39p
leuja34O	ASCII	277,105	2/19/99	2:39p
leuja36O	ASCII	276,879	2/19/99	2:39p
leuja46O	ASCII	278,281	2/19/99	2:39p
leuja49O	ASCII	276,974	2/19/99	2:39p
leuja51O	ASCII	278,186	2/19/99	2:39p
leuja54O	ASCII	278,274	2/19/99	2:39p
leust21O	ASCII	384,291	2/19/99	2:39p
leust22O	ASCII	383,032	2/19/99	2:39p
leust23O	ASCII	384,045	2/19/99	2:39p
pnl1158O	ASCII	321,992	2/17/99	2:23p
pnl1159O	ASCII	321,862	2/17/99	2:23p
pnl1161O	ASCII	321,892	2/17/99	2:23p
pnl1577O	ASCII	346,681	2/17/99	2:23p
pnl1678O	ASCII	265,970	2/17/99	2:23p
pnl1783O	ASCII	355,546	2/17/99	2:23p
pnl1868O	ASCII	355,913	2/17/99	2:23p
pnl1969O	ASCII	266,399	2/17/99	2:23p
pnl2070O	ASCII	346,686	2/17/99	2:23p
pnl2565O	ASCII	346,996	2/17/99	2:23p
pnl2666O	ASCII	265,959	2/17/99	2:23p
pnl2767O	ASCII	356,418	2/17/99	2:23p
pnl3187O	ASCII	340,727	2/17/99	2:23p
pnl3391O	ASCII	356,421	2/17/99	2:23p
pnl3492O	ASCII	356,431	2/17/99	2:23p
pnl3593O	ASCII	356,657	2/17/99	2:23p
pnl3694O	ASCII	340,154	2/17/99	2:23p
pnl3795O	ASCII	356,620	2/17/99	2:23p
pnl3808O	ASCII	356,812	2/17/99	2:23p
pnl3896O	ASCII	356,557	2/17/99	2:23p
pnl3897O	ASCII	357,093	2/17/99	2:23p
pnl3898O	ASCII	356,431	2/17/99	2:23p
pnl3999O	ASCII	270,802	2/17/99	2:23p
pnl5300O	ASCII	263,586	2/17/99	2:23p
pu003-1O	ASCII	836,417	2/17/99	2:22p
pu003-2O	ASCII	836,650	2/17/99	2:22p
pu003-3O	ASCII	836,534	2/17/99	2:22p
pu003-4O	ASCII	836,534	2/17/99	2:22p
pu003-5O	ASCII	836,650	2/17/99	2:22p
pu003-6O	ASCII	836,417	2/17/99	2:22p
pu003-7O	ASCII	833,532	2/17/99	2:22p
pu003-8O	ASCII	833,531	2/17/99	2:22p
pu004-1O	ASCII	836,164	2/17/99	2:22p
pu004-2O	ASCII	836,650	2/17/99	2:22p
pu004-3O	ASCII	836,534	2/17/99	2:22p
pu004-4O	ASCII	836,397	2/17/99	2:22p
pu004-5O	ASCII	836,397	2/17/99	2:22p
pu004-6O	ASCII	836,417	2/17/99	2:22p
pu004-7O	ASCII	836,533	2/17/99	2:22p
pu004-8O	ASCII	836,527	2/17/99	2:22p
pu004-9O	ASCII	836,512	2/17/99	2:22p
pu005-1O	ASCII	836,533	2/17/99	2:22p
pu005-2O	ASCII	836,533	2/17/99	2:22p
pu005-3O	ASCII	836,410	2/17/99	2:22p
pu005-4O	ASCII	836,533	2/17/99	2:22p
pu005-5O	ASCII	836,527	2/17/99	2:22p

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Table IV-1. MCNP Output File Listing for ENDF/B-VI Cases

Filename	File Type	File Size (bytes)	File Date	File Time
pu005-6O	ASCII	836,533	2/17/99	2:22p
pu005-7O	ASCII	836,417	2/17/99	2:22p
pu005-8O	ASCII	836,650	2/17/99	2:22p
pu005-9O	ASCII	836,534	2/17/99	2:22p
pu007-2O	ASCII	836,648	2/17/99	2:22p
pu007-3O	ASCII	836,469	2/17/99	2:22p
pu007-5O	ASCII	836,585	2/17/99	2:22p
pu007-6O	ASCII	836,469	2/17/99	2:22p
pu007-7O	ASCII	836,695	2/17/99	2:22p
pu007-8O	ASCII	836,586	2/17/99	2:22p
pu007-9O	ASCII	836,585	2/17/99	2:22p
pu04-10O	ASCII	836,281	2/17/99	2:22p
pu04-11O	ASCII	836,280	2/17/99	2:22p
pu04-12O	ASCII	836,429	2/17/99	2:22p
pu04-13O	ASCII	836,533	2/17/99	2:22p
pu07-10O	ASCII	836,586	2/17/99	2:22p
pu10091O	ASCII	852,194	2/17/99	2:22p
pu10092O	ASCII	852,078	2/17/99	2:22p
pu10093O	ASCII	852,078	2/17/99	2:22p
pu10111O	ASCII	852,078	2/17/99	2:22p
pu10112O	ASCII	851,961	2/17/99	2:22p
pu10113O	ASCII	852,077	2/17/99	2:22p
pu10114O	ASCII	852,194	2/17/99	2:22p
pu10115O	ASCII	852,077	2/17/99	2:22p
pu10116O	ASCII	852,078	2/17/99	2:22p
pu10117O	ASCII	851,961	2/17/99	2:22p
pu10121O	ASCII	852,194	2/17/99	2:22p
pu10122O	ASCII	851,961	2/17/99	2:22p
pu10123O	ASCII	851,961	2/17/99	2:22p
pu10124O	ASCII	852,194	2/17/99	2:22p
pu11161O	ASCII	834,561	2/17/99	2:22p
pu11162O	ASCII	834,646	2/17/99	2:22p
pu11163O	ASCII	834,782	2/17/99	2:22p
pu11164O	ASCII	834,529	2/17/99	2:22p
pu11165O	ASCII	834,645	2/17/99	2:22p
pu11181O	ASCII	836,475	2/17/99	2:22p
pu11182O	ASCII	836,339	2/17/99	2:22p
pu11183O	ASCII	836,106	2/17/99	2:22p
pu11184O	ASCII	836,106	2/17/99	2:22p
pu11185O	ASCII	836,222	2/17/99	2:22p
pu11186O	ASCII	836,216	2/17/99	2:22p
pu11187O	ASCII	836,011	2/17/99	2:22p
pust1t1O	ASCII	424,102	2/17/99	2:22p
pust1t2O	ASCII	424,395	2/17/99	2:22p
pust1t3O	ASCII	424,205	2/17/99	2:22p
pust1t4O	ASCII	424,292	2/17/99	2:22p
pust1t5O	ASCII	424,496	2/17/99	2:22p
pust1t6O	ASCII	424,102	2/17/99	2:22p
pust9-1O	ASCII	208,271	4/15/99	3:57p
pust9-2O	ASCII	159,848	2/17/99	2:22p
pust9-3O	ASCII	159,747	2/17/99	2:22p
u2331aO	ASCII	923,918	2/17/99	2:20p
u2332aO	ASCII	926,544	2/17/99	2:20p
u2332bO	ASCII	925,623	2/17/99	2:20p
u2333aO	ASCII	926,773	2/17/99	2:20p
u2333bO	ASCII	926,528	2/17/99	2:20p

ATTACHMENT V

This attachment contains the MCNP input files for the LCE reactivity calculations that were performed using the WPO Selected cross-section library. The input files are contained on an attachment CD of this calculation file (the attachment CD has been moved to Reference 7.9). The information contained in this hard-copy representation of Attachment V is a listing of the various MCNP input files and their attributes. The files are listed in Table V-1. The CD containing Attachment V was written using the Hewlett Packard (HP) CD-Writer Plus model 7200e external CD-rewritable drive for personal computers.

Table V-1. MCNP Input File Listing for WPO Selected Cases

Filename	File Type	File Size (Bytes)	File Date	File Time
awre1	ASCII	3,651	4/30/98	2:10p
awre10	ASCII	3,656	4/30/98	2:10p
awre2	ASCII	3,658	4/30/98	2:10p
awre3	ASCII	3,656	4/30/98	2:10p
awre4	ASCII	3,652	4/30/98	2:10p
awre5	ASCII	3,659	4/30/98	2:10p
awre6	ASCII	3,659	4/30/98	2:10p
awre7	ASCII	3,655	4/30/98	2:10p
awre8	ASCII	3,659	4/30/98	2:10p
awre9	ASCII	3,655	4/30/98	2:10p
core10e5	ASCII	11,697	4/30/98	2:12p
core11e5	ASCII	12,412	4/30/98	2:12p
core12e5	ASCII	12,410	4/30/98	2:12p
core13e5	ASCII	12,868	4/30/98	2:12p
core15e5	ASCII	12,870	4/30/98	2:12p
core16e5	ASCII	12,868	4/30/98	2:12p
core17e5	ASCII	12,870	4/30/98	2:12p
core18e5	ASCII	12,868	4/30/98	2:12p
core19e5	ASCII	12,870	4/30/98	2:12p
core20e5	ASCII	12,868	4/30/98	2:12p
core21e5	ASCII	12,856	4/30/98	2:12p
core2e5	ASCII	8,759	4/30/98	2:12p
core3e5	ASCII	8,827	4/30/98	2:12p
core4e5	ASCII	11,342	4/30/98	2:12p
core5e5	ASCII	11,402	4/30/98	2:12p
core6e5	ASCII	11,402	4/30/98	2:12p
core7e5	ASCII	11,545	4/30/98	2:12p
core8e5	ASCII	11,545	4/30/98	2:12p
core9e5	ASCII	11,415	4/30/98	2:12p
exp10e5	ASCII	6,260	4/30/98	2:12p
exp11e5	ASCII	6,443	4/30/98	2:12p
exp12e5	ASCII	11,009	4/30/98	2:12p
exp13e5	ASCII	13,038	4/30/98	2:12p
exp14e5	ASCII	4,901	4/30/98	2:12p
exp15e5	ASCII	5,169	4/30/98	2:12p
exp17e5	ASCII	5,009	4/30/98	2:12p
exp18e5	ASCII	4,860	4/30/98	2:12p
exp1e5	ASCII	6,149	4/30/98	2:12p
exp22e5	ASCII	5,750	4/30/98	2:12p
exp23e5	ASCII	5,847	4/30/98	2:12p
exp24e5	ASCII	7,715	4/30/98	2:12p
exp25e5	ASCII	6,731	4/30/98	2:12p
exp26e5	ASCII	6,008	4/30/98	2:12p
exp27e5	ASCII	7,062	4/30/98	2:12p

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Table V-1. MCNP Input File Listing for WPO Selected Cases

Filename	File Type	File Size (Bytes)	File Date	File Time
exp28e5	ASCII	5,529	4/15/99	3:59p
exp29e5	ASCII	4,849	4/30/98	2:12p
exp2e5	ASCII	8,636	4/30/98	2:12p
exp30e5	ASCII	4,959	4/30/98	2:12p
exp31e5	ASCII	4,694	4/30/98	2:12p
exp32e5	ASCII	4,670	4/30/98	2:12p
exp33e5	ASCII	4,577	4/30/98	2:12p
exp34e5	ASCII	9,401	4/30/98	2:12p
exp3e5	ASCII	7,240	4/30/98	2:12p
exp4e5	ASCII	7,789	4/30/98	2:12p
exp5e5	ASCII	6,590	4/30/98	2:12p
exp6e5	ASCII	6,205	4/30/98	2:13p
exp7e5	ASCII	7,329	4/30/98	2:13p
exp8e5	ASCII	5,655	4/30/98	2:13p
exp9e5	ASCII	6,084	4/30/98	2:13p
hest1-1	ASCII	1,258	4/30/98	2:10p
hest1-2	ASCII	1,258	4/30/98	2:10p
hest1-3	ASCII	697	4/30/98	2:10p
hest1-4	ASCII	702	4/30/98	2:10p
hest1-5	ASCII	701	4/30/98	2:10p
hest1-6	ASCII	701	4/30/98	2:10p
hest1-7	ASCII	702	4/30/98	2:10p
hest1-8	ASCII	702	4/30/98	2:10p
hest1-9	ASCII	699	4/30/98	2:10p
hest110	ASCII	705	4/30/98	2:10p
hest131	ASCII	639	4/30/98	2:10p
hest132	ASCII	691	4/30/98	2:10p
hest133	ASCII	690	4/30/98	2:10p
hest134	ASCII	690	4/30/98	2:10p
hest141	ASCII	1,328	4/30/98	2:10p
hest142	ASCII	1,493	4/30/98	2:10p
hest143	ASCII	1,487	4/30/98	2:10p
hest151	ASCII	1,324	4/30/98	2:10p
hest152	ASCII	1,321	4/30/98	2:10p
hest153	ASCII	1,486	4/30/98	2:10p
hest154	ASCII	1,486	4/30/98	2:10p
hest155	ASCII	1,496	4/30/98	2:10p
hest161	ASCII	1,329	4/30/98	2:10p
hest162	ASCII	1,485	4/30/98	2:10p
hest163	ASCII	1,488	4/30/98	2:10p
hest171	ASCII	1,328	4/30/98	2:10p
hest172	ASCII	1,323	4/30/98	2:10p
hest173	ASCII	1,318	4/30/98	2:10p
hest174	ASCII	1,486	4/30/98	2:10p
hest175	ASCII	1,487	4/30/98	2:10p
hest176	ASCII	1,497	4/30/98	2:10p
hest177	ASCII	1,496	4/30/98	2:10p
hest178	ASCII	1,497	4/30/98	2:10p
hest181	ASCII	1,320	4/30/98	2:10p
hest182	ASCII	1,321	4/30/98	2:10p
hest183	ASCII	1,318	4/30/98	2:10p
hest184	ASCII	1,487	4/30/98	2:10p
hest185	ASCII	1,497	4/30/98	2:10p
hest186	ASCII	1,496	4/30/98	2:10p
hest187	ASCII	1,487	4/30/98	2:10p
hest188	ASCII	1,497	4/30/98	2:10p

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Table V-1. MCNP Input File Listing for WPO Selected Cases

Filename	File Type	File Size (Bytes)	File Date	File Time
hest189	ASCII	1,496	4/30/98	2:10p
hest191	ASCII	1,322	4/30/98	2:10p
hest192	ASCII	1,487	4/30/98	2:10p
hest193	ASCII	1,487	4/30/98	2:10p
hest2-1	ASCII	2,710	4/30/98	2:10p
hest2-2	ASCII	2,703	4/30/98	2:10p
hest2-3	ASCII	2,666	4/30/98	2:10p
hest2-4	ASCII	2,706	4/30/98	2:10p
hest2-5	ASCII	2,175	4/30/98	2:10p
hest2-6	ASCII	2,222	4/30/98	2:10p
hest2-7	ASCII	2,150	4/30/98	2:10p
hest2-8	ASCII	2,167	4/30/98	2:10p
hest2-9	ASCII	2,149	4/30/98	2:10p
hest210	ASCII	2,173	4/30/98	2:10p
hest211	ASCII	2,153	4/30/98	2:10p
hest212	ASCII	2,218	4/30/98	2:10p
hest213	ASCII	2,154	4/30/98	2:10p
hest214	ASCII	2,174	4/30/98	2:10p
hest310	ASCII	2,403	4/30/98	2:10p
hest311	ASCII	2,402	4/30/98	2:10p
hest312	ASCII	2,404	4/30/98	2:10p
hest313	ASCII	2,455	4/30/98	2:10p
hest314	ASCII	2,421	4/30/98	2:10p
hest315	ASCII	2,497	4/15/99	3:59p
hest316	ASCII	2,358	4/30/98	2:10p
hest317	ASCII	2,427	4/30/98	2:10p
hest318	ASCII	2,360	4/30/98	2:10p
hest319	ASCII	2,421	4/30/98	2:10p
hest710	ASCII	5,618	4/30/98	2:10p
hest711	ASCII	5,604	4/30/98	2:10p
hest712	ASCII	5,023	4/30/98	2:10p
hest713	ASCII	5,025	4/30/98	2:10p
hest714	ASCII	4,381	4/30/98	2:10p
hest715	ASCII	4,969	4/30/98	2:10p
hest716	ASCII	5,519	4/30/98	2:10p
hest717	ASCII	4,924	4/30/98	2:10p
hest813	ASCII	5,072	4/30/98	2:10p
heust31	ASCII	2,888	4/30/98	2:10p
heust32	ASCII	2,931	4/30/98	2:10p
heust33	ASCII	2,888	4/30/98	2:10p
heust34	ASCII	2,835	4/30/98	2:10p
heust35	ASCII	2,888	4/30/98	2:10p
heust36	ASCII	2,900	4/30/98	2:10p
heust37	ASCII	2,406	4/30/98	2:10p
heust38	ASCII	2,425	4/30/98	2:10p
heust39	ASCII	2,430	4/30/98	2:10p
heust71	ASCII	5,587	4/30/98	2:10p
heust72	ASCII	5,604	4/30/98	2:10p
heust73	ASCII	4,541	4/30/98	2:10p
heust74	ASCII	4,589	4/30/98	2:10p
heust75	ASCII	5,441	4/30/98	2:10p
heust76	ASCII	5,455	4/30/98	2:10p
heust77	ASCII	4,420	4/30/98	2:10p
heust78	ASCII	4,434	4/30/98	2:10p
heust79	ASCII	4,432	4/30/98	2:10p
heust81	ASCII	5,232	4/30/98	2:10p

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Table V-1. MCNP Input File Listing for WPO Selected Cases

Filename	File Type	File Size (Bytes)	File Date	File Time
heust83	ASCII	4,486	4/30/98	2:10p
heust86	ASCII	5,031	4/30/98	2:10p
heust89	ASCII	5,370	4/15/99	3:59p
hst1810	ASCII	1,498	4/30/98	2:10p
hst1811	ASCII	1,497	4/30/98	2:10p
hst1812	ASCII	1,497	4/30/98	2:10p
hxst142	ASCII	1,546	4/30/98	2:10p
hxst143	ASCII	1,541	4/30/98	2:10p
hxst153	ASCII	1,540	4/30/98	2:10p
hxst154	ASCII	1,540	4/30/98	2:10p
hxst155a	ASCII	1,892	4/30/98	2:10p
hxst162	ASCII	1,539	4/30/98	2:10p
hxst163	ASCII	1,542	4/30/98	2:10p
hxst174	ASCII	1,540	4/30/98	2:10p
hxst175	ASCII	1,541	4/30/98	2:10p
hxst178	ASCII	1,551	4/30/98	2:10p
hxst184	ASCII	1,541	4/30/98	2:10p
hxst187	ASCII	1,541	4/30/98	2:10p
hxst192	ASCII	1,541	4/30/98	2:10p
hxst193	ASCII	1,541	4/30/98	2:10p
hxt1810	ASCII	1,552	4/30/98	2:10p
hxt1812	ASCII	1,551	4/30/98	2:10p
IECT117	ASCII	13,750	4/16/99	8:59a
IECT118	ASCII	9,527	4/16/99	8:59a
IECT119	ASCII	6,207	4/16/99	8:59a
IECT126	ASCII	4,063	4/16/99	8:59a
IECT127	ASCII	3,749	4/16/99	8:59a
IECT128	ASCII	4,817	4/15/99	2:36p
IECT129	ASCII	3,762	4/16/99	8:59a
leuja01	ASCII	1,676	4/30/98	2:10p
leuja14	ASCII	1,651	4/30/98	2:10p
leuja29	ASCII	1,679	4/30/98	2:10p
leuja30	ASCII	1,651	4/30/98	2:10p
leuja32	ASCII	1,651	4/30/98	2:10p
leuja33	ASCII	1,679	4/30/98	2:10p
leuja34	ASCII	1,679	4/30/98	2:10p
leuja36	ASCII	1,651	4/30/98	2:11p
leuja46	ASCII	1,679	4/30/98	2:11p
leuja49	ASCII	1,653	4/30/98	2:11p
leuja51	ASCII	1,679	4/30/98	2:11p
leuja54	ASCII	1,681	4/30/98	2:11p
leust21	ASCII	933	4/30/98	2:11p
leust22	ASCII	883	4/30/98	2:11p
leust23	ASCII	956	4/30/98	2:11p
pnl1158	ASCII	3,841	4/30/98	2:11p
pnl1159	ASCII	3,841	4/30/98	2:11p
pnl1161	ASCII	3,841	4/30/98	2:11p
pnl1577	ASCII	10,117	4/30/98	2:11p
pnl1678	ASCII	6,110	4/30/98	2:11p
pnl1783	ASCII	11,094	4/30/98	2:11p
pnl1868	ASCII	11,116	4/30/98	2:11p
pnl1969	ASCII	6,109	4/30/98	2:11p
pnl2070	ASCII	10,114	4/30/98	2:11p
pnl2565	ASCII	10,138	4/30/98	2:11p
pnl2666	ASCII	6,101	4/30/98	2:11p
pnl2767	ASCII	11,118	4/30/98	2:11p

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Table V-1. MCNP Input File Listing for WPO Selected Cases

Filename	File Type	File Size (Bytes)	File Date	File Time
pnl3187	ASCII	6,501	4/30/98	2:11p
pnl3391	ASCII	8,099	4/30/98	2:11p
pnl3492	ASCII	8,122	4/30/98	2:11p
pnl3593	ASCII	8,122	4/30/98	2:11p
pnl3694	ASCII	7,137	4/30/98	2:11p
pnl3795	ASCII	8,119	4/30/98	2:11p
pnl3808	ASCII	8,123	4/30/98	2:11p
pnl3896	ASCII	8,119	4/30/98	2:11p
pnl3897	ASCII	8,118	4/30/98	2:11p
pnl3898	ASCII	8,121	4/30/98	2:11p
pnl3999	ASCII	7,144	4/30/98	2:11p
pnl5300	ASCII	5,070	4/30/98	2:11p
pu003-1	ASCII	1,352	4/30/98	2:11p
pu003-2	ASCII	1,359	4/30/98	2:11p
pu003-3	ASCII	1,356	4/30/98	2:11p
pu003-4	ASCII	1,351	4/30/98	2:11p
pu003-5	ASCII	1,352	4/30/98	2:11p
pu003-6	ASCII	1,352	4/30/98	2:11p
pu003-7	ASCII	1,108	4/30/98	2:11p
pu003-8	ASCII	1,108	4/30/98	2:11p
pu004-1	ASCII	1,368	4/30/98	2:11p
pu004-2	ASCII	1,373	4/30/98	2:11p
pu004-3	ASCII	1,372	4/30/98	2:11p
pu004-4	ASCII	1,368	4/30/98	2:11p
pu004-5	ASCII	1,368	4/30/98	2:11p
pu004-6	ASCII	1,368	4/30/98	2:11p
pu004-7	ASCII	1,368	4/30/98	2:11p
pu004-8	ASCII	1,373	4/30/98	2:11p
pu004-9	ASCII	1,376	4/30/98	2:11p
pu005-1	ASCII	1,371	4/30/98	2:11p
pu005-2	ASCII	1,375	4/30/98	2:11p
pu005-3	ASCII	1,374	4/30/98	2:11p
pu005-4	ASCII	1,368	4/30/98	2:11p
pu005-5	ASCII	1,371	4/30/98	2:11p
pu005-6	ASCII	1,367	4/30/98	2:11p
pu005-7	ASCII	1,367	4/30/98	2:11p
pu005-8	ASCII	1,367	4/30/98	2:11p
pu005-9	ASCII	1,372	4/30/98	2:11p
pu007-2	ASCII	1,284	4/30/98	2:11p
pu007-3	ASCII	1,287	4/30/98	2:11p
pu007-5	ASCII	1,283	4/30/98	2:11p
pu007-6	ASCII	1,290	4/30/98	2:11p
pu007-7	ASCII	1,286	4/30/98	2:11p
pu007-8	ASCII	1,292	4/30/98	2:11p
pu007-9	ASCII	1,287	4/30/98	2:11p
pu04-10	ASCII	1,370	4/30/98	2:11p
pu04-11	ASCII	1,371	4/30/98	2:11p
pu04-12	ASCII	1,374	4/30/98	2:11p
pu04-13	ASCII	1,370	4/30/98	2:11p
pu07-10	ASCII	1,289	4/30/98	2:11p
pu10091	ASCII	2,441	4/30/98	2:11p
pu10092	ASCII	2,418	4/30/98	2:11p
pu10093	ASCII	2,471	4/30/98	2:11p
pu10111	ASCII	2,493	4/30/98	2:11p
pu10112	ASCII	2,485	4/30/98	2:11p
pu10113	ASCII	2,478	4/30/98	2:11p

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Table V-1. MCNP Input File Listing for WPO Selected Cases

Filename	File Type	File Size (Bytes)	File Date	File Time
pu10114	ASCII	2,515	4/30/98	2:11p
pu10115	ASCII	2,409	4/30/98	2:11p
pu10116	ASCII	2,493	4/30/98	2:11p
pu10117	ASCII	2,469	4/30/98	2:11p
pu10121	ASCII	2,468	4/30/98	2:11p
pu10122	ASCII	2,472	4/30/98	2:11p
pu10123	ASCII	2,469	4/30/98	2:11p
pu10124	ASCII	2,469	4/30/98	2:11p
pu11161	ASCII	1,156	4/30/98	2:11p
pu11162	ASCII	1,154	4/30/98	2:11p
pu11163	ASCII	1,153	4/30/98	2:11p
pu11164	ASCII	1,158	4/30/98	2:11p
pu11165	ASCII	1,154	4/30/98	2:11p
pu11181	ASCII	1,285	4/30/98	2:11p
pu11182	ASCII	1,286	4/30/98	2:12p
pu11183	ASCII	1,293	4/30/98	2:12p
pu11184	ASCII	1,287	4/30/98	2:12p
pu11185	ASCII	1,287	4/30/98	2:12p
pu11186	ASCII	1,289	4/30/98	2:12p
pu11187	ASCII	1,282	4/30/98	2:12p
pust1t1	ASCII	1,746	4/30/98	2:12p
pust1t2	ASCII	1,754	4/30/98	2:12p
pust1t3	ASCII	1,765	4/30/98	2:12p
pust1t4	ASCII	1,764	4/30/98	2:12p
pust1t5	ASCII	1,775	4/30/98	2:12p
pust1t6	ASCII	1,773	4/30/98	2:12p
pust9-1	ASCII	2,011	4/30/98	2:12p
pust9-2	ASCII	2,024	4/30/98	2:12p
pust9-3	ASCII	1,914	4/30/98	2:12p
u2331a	ASCII	281	4/30/98	2:12p
u2332a	ASCII	360	4/30/98	2:12p
u2332b	ASCII	360	4/30/98	2:12p
u2333a	ASCII	369	4/30/98	2:12p
u2333b	ASCII	383	4/30/98	2:12p
u2334a1	ASCII	548	4/30/98	2:12p
u2334b1	ASCII	545	4/30/98	2:12p
u2335a	ASCII	381	4/30/98	2:12p
u2335b	ASCII	382	4/30/98	2:12p
u2336a	ASCII	397	4/30/98	2:12p
u233s1	ASCII	831	4/30/98	2:12p
u233s2	ASCII	918	4/30/98	2:12p
u233s3	ASCII	920	4/30/98	2:12p
u233s4	ASCII	920	4/30/98	2:12p
u233s5	ASCII	920	4/30/98	2:12p
u233s6	ASCII	664	4/30/98	2:12p
ugd10e5	ASCII	40,889	4/30/98	2:13p
ugd12e5	ASCII	40,812	4/30/98	2:13p
ugd13e5	ASCII	40,908	4/30/98	2:13p
ugd14e5	ASCII	40,870	4/30/98	2:13p
ugd15e5	ASCII	40,964	4/30/98	2:13p
ugd16e5	ASCII	40,870	4/30/98	2:13p
ugd17e5	ASCII	40,933	4/30/98	2:13p
ugd18e5	ASCII	40,488	4/30/98	2:13p
ugd19e5	ASCII	40,541	4/30/98	2:13p
ugd1e5	ASCII	40,729	4/30/98	2:13p
ugd20e5	ASCII	40,541	4/30/98	2:13p

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Table V-1. MCNP Input File Listing for WPO Selected Cases

Filename	File Type	File Size (Bytes)	File Date	File Time
ugd2e5	ASCII	40,849	4/30/98	2:13p
ugd3e5	ASCII	40,730	4/30/98	2:13p
ugd4e5	ASCII	40,784	4/30/98	2:13p
ugd5e5	ASCII	40,805	4/30/98	2:13p
ugd6e5	ASCII	40,887	4/30/98	2:13p
ugd7e5	ASCII	40,828	4/30/98	2:13p
ugd8e5	ASCII	40,807	4/30/98	2:13p
ugd9e5	ASCII	40,904	4/30/98	2:13p

ATTACHMENT VI

This attachment contains the MCNP output files for the LCE reactivity calculations that were performed using the WPO Selected cross-section library. The output files are contained on an attachment CD of this calculation file (the attachment CD has been moved to Reference 7.9). The information contained in this hard-copy representation of Attachment VI is a listing of the various MCNP output files and their attributes. The files are listed in Table VI-1. The CD containing Attachment VI was written using the Hewlett Packard (HP) CD-Writer Plus model 7200e external CD-rewritable drive for personal computers.

Table VI-1. MCNP Output File Listing for WPO Selected Cases

Filename	File Type	File Size (bytes)	File Date	File Time
awre1.o	ASCII	311,511	4/30/98	2:10p
awre10.o	ASCII	311,969	4/30/98	2:10p
awre2.o	ASCII	311,411	4/30/98	2:10p
awre3.o	ASCII	311,530	4/30/98	2:10p
awre4.o	ASCII	311,512	4/30/98	2:10p
awre5.o	ASCII	311,842	4/30/98	2:10p
awre6.o	ASCII	311,630	4/30/98	2:10p
awre7.o	ASCII	311,659	4/30/98	2:10p
awre8.o	ASCII	312,186	4/30/98	2:10p
awre9.o	ASCII	311,968	4/30/98	2:10p
core10e5.o	ASCII	646,866	4/30/98	2:12p
core11e5.o	ASCII	719,421	4/30/98	2:12p
core12e5.o	ASCII	718,961	4/30/98	2:12p
core13e5.o	ASCII	710,162	4/30/98	2:12p
core15e5.o	ASCII	710,162	4/30/98	2:12p
core16e5.o	ASCII	709,955	4/30/98	2:12p
core17e5.o	ASCII	710,109	4/30/98	2:12p
core18e5.o	ASCII	709,906	4/30/98	2:12p
core19e5.o	ASCII	710,261	4/30/98	2:12p
core20e5.o	ASCII	709,849	4/30/98	2:12p
core21e5.o	ASCII	709,278	4/30/98	2:12p
core2e5.o	ASCII	619,762	4/30/98	2:12p
core3e5.o	ASCII	619,320	4/30/98	2:12p
core4e5.o	ASCII	620,768	4/30/98	2:12p
core5e5.o	ASCII	620,862	4/30/98	2:12p
core6e5.o	ASCII	620,756	4/30/98	2:12p
core7e5.o	ASCII	620,855	4/30/98	2:12p
core8e5.o	ASCII	620,955	4/30/98	2:12p
core9e5.o	ASCII	621,679	4/30/98	2:12p
exp10e5.o	ASCII	614,435	4/30/98	2:12p
exp11e5.o	ASCII	617,457	4/30/98	2:12p
exp12e5.o	ASCII	689,884	4/30/98	2:12p
exp13e5.o	ASCII	735,774	4/30/98	2:12p
exp14e5.o	ASCII	602,740	4/30/98	2:12p
exp15e5.o	ASCII	602,428	4/30/98	2:12p
exp17e5.o	ASCII	616,288	4/30/98	2:12p
exp18e5.o	ASCII	615,716	4/30/98	2:12p
exp1e5.o	ASCII	617,384	4/30/98	2:12p
exp22e5.o	ASCII	613,432	4/30/98	2:12p
exp23e5.o	ASCII	617,177	4/30/98	2:12p
exp24e5.o	ASCII	615,382	4/30/98	2:12p
exp25e5.o	ASCII	616,671	4/30/98	2:12p
exp26e5.o	ASCII	613,033	4/30/98	2:12p
exp27e5.o	ASCII	617,837	4/30/98	2:12p

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Table VI-1. MCNP Output File Listing for WPO Selected Cases

Filename	File Type	File Size (bytes)	File Date	File Time
exp28e5.O	ASCII	620,838	4/15/99	3:59p
exp29e5.o	ASCII	611,560	4/30/98	2:12p
exp2e5.o	ASCII	645,178	4/30/98	2:12p
exp30e5.o	ASCII	614,688	4/30/98	2:12p
exp31e5.o	ASCII	611,101	4/30/98	2:12p
exp32e5.o	ASCII	610,907	4/30/98	2:12p
exp33e5.o	ASCII	610,718	4/30/98	2:12p
exp34e5.o	ASCII	718,228	4/30/98	2:12p
exp3e5.o	ASCII	637,436	4/30/98	2:12p
exp4e5.o	ASCII	641,949	4/30/98	2:12p
exp5e5.o	ASCII	618,058	4/30/98	2:13p
exp6e5.o	ASCII	617,771	4/30/98	2:13p
exp7e5.o	ASCII	631,672	4/30/98	2:13p
exp8e5.o	ASCII	600,728	4/30/98	2:13p
exp9e5.o	ASCII	604,309	4/30/98	2:13p
hest1-1.o	ASCII	385,180	4/30/98	2:10p
hest1-2.o	ASCII	385,179	4/30/98	2:10p
hest1-3.o	ASCII	376,089	4/30/98	2:10p
hest1-4.o	ASCII	376,194	4/30/98	2:10p
hest1-5.o	ASCII	376,095	4/30/98	2:10p
hest1-6.o	ASCII	375,989	4/30/98	2:10p
hest1-7.o	ASCII	376,196	4/30/98	2:10p
hest1-8.o	ASCII	376,095	4/30/98	2:10p
hest1-9.o	ASCII	376,195	4/30/98	2:10p
hest110.o	ASCII	375,988	4/30/98	2:10p
hest131.o	ASCII	378,682	4/30/98	2:10p
hest132.o	ASCII	379,777	4/30/98	2:10p
hest133.o	ASCII	377,087	4/30/98	2:10p
hest134.o	ASCII	378,579	4/30/98	2:10p
hest141.o	ASCII	277,707	4/30/98	2:10p
hest142.o	ASCII	282,568	4/30/98	2:10p
hest143.o	ASCII	281,478	4/30/98	2:10p
hest151.o	ASCII	277,588	4/30/98	2:10p
hest152.o	ASCII	277,708	4/30/98	2:10p
hest153.o	ASCII	281,167	4/30/98	2:10p
hest154.o	ASCII	281,479	4/30/98	2:10p
hest155.o	ASCII	281,448	4/30/98	2:10p
hest161.o	ASCII	278,023	4/30/98	2:10p
hest162.o	ASCII	281,225	4/30/98	2:10p
hest163.o	ASCII	281,227	4/30/98	2:10p
hest171.o	ASCII	277,928	4/30/98	2:10p
hest172.o	ASCII	278,112	4/30/98	2:10p
hest173.o	ASCII	278,425	4/30/98	2:10p
hest174.o	ASCII	282,567	4/30/98	2:10p
hest175.o	ASCII	282,469	4/30/98	2:10p
hest176.o	ASCII	281,656	4/30/98	2:10p
hest177.o	ASCII	280,469	4/30/98	2:10p
hest178.o	ASCII	281,076	4/30/98	2:10p
hest181.o	ASCII	277,805	4/30/98	2:10p
hest182.o	ASCII	277,581	4/30/98	2:10p
hest183.o	ASCII	277,489	4/30/98	2:10p
hest184.o	ASCII	281,442	4/30/98	2:10p
hest185.o	ASCII	281,229	4/30/98	2:10p
hest186.o	ASCII	281,134	4/30/98	2:10p
hest187.o	ASCII	281,323	4/30/98	2:10p
hest188.o	ASCII	281,038	4/30/98	2:10p

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Table VI-1. MCNP Output File Listing for WPO Selected Cases

Filename	File Type	File Size (bytes)	File Date	File Time
hest189.o	ASCII	281,449	4/30/98	2:10p
hest191.o	ASCII	277,708	4/30/98	2:10p
hest192.o	ASCII	281,537	4/30/98	2:10p
hest193.o	ASCII	281,479	4/30/98	2:10p
hest2-1.o	ASCII	384,979	4/30/98	2:10p
hest2-2.o	ASCII	237,586	4/30/98	2:10p
hest2-3.o	ASCII	235,029	4/30/98	2:10p
hest2-4.o	ASCII	237,587	4/30/98	2:10p
hest2-5.o	ASCII	227,636	4/30/98	2:10p
hest2-6.o	ASCII	228,465	4/30/98	2:10p
hest2-7.o	ASCII	227,637	4/30/98	2:10p
hest2-8.o	ASCII	228,288	4/30/98	2:10p
hest2-9.o	ASCII	227,637	4/30/98	2:10p
hest210.o	ASCII	228,287	4/30/98	2:10p
hest211.o	ASCII	227,564	4/30/98	2:10p
hest212.o	ASCII	228,547	4/30/98	2:10p
hest213.o	ASCII	227,636	4/30/98	2:10p
hest214.o	ASCII	228,144	4/30/98	2:10p
hest310.o	ASCII	229,376	4/30/98	2:10p
hest311.o	ASCII	228,755	4/30/98	2:10p
hest312.o	ASCII	228,613	4/30/98	2:10p
hest313.o	ASCII	228,755	4/30/98	2:10p
hest314.o	ASCII	228,757	4/30/98	2:10p
hest315O	ASCII	338,934	4/15/99	3:59p
hest316.o	ASCII	228,756	4/30/98	2:10p
hest317.o	ASCII	228,682	4/30/98	2:10p
hest318.o	ASCII	228,755	4/30/98	2:10p
hest319.o	ASCII	228,682	4/30/98	2:10p
hest710.o	ASCII	348,714	4/30/98	2:10p
hest711.o	ASCII	348,716	4/30/98	2:10p
hest712.o	ASCII	334,775	4/30/98	2:10p
hest713.o	ASCII	334,869	4/30/98	2:10p
hest714.o	ASCII	324,164	4/30/98	2:10p
hest715.o	ASCII	334,681	4/30/98	2:10p
hest716.o	ASCII	348,524	4/30/98	2:10p
hest717.o	ASCII	334,897	4/30/98	2:10p
hest813.o	ASCII	287,032	4/30/98	2:10p
heust31.o	ASCII	237,438	4/30/98	2:10p
heust32.o	ASCII	237,365	4/30/98	2:10p
heust33.o	ASCII	237,508	4/30/98	2:10p
heust34.o	ASCII	237,404	4/30/98	2:10p
heust35.o	ASCII	237,434	4/30/98	2:10p
heust36.o	ASCII	236,815	4/30/98	2:10p
heust37.o	ASCII	229,374	4/30/98	2:10p
heust38.o	ASCII	228,755	4/30/98	2:10p
heust39.o	ASCII	228,683	4/30/98	2:10p
heust71.o	ASCII	350,268	4/30/98	2:10p
heust72.o	ASCII	349,961	4/30/98	2:10p
heust73.o	ASCII	324,254	4/30/98	2:10p
heust74.o	ASCII	324,442	4/30/98	2:10p
heust75.o	ASCII	348,811	4/30/98	2:10p
heust76.o	ASCII	348,808	4/30/98	2:10p
heust77.o	ASCII	324,351	4/30/98	2:10p
heust78.o	ASCII	324,351	4/30/98	2:10p
heust79.o	ASCII	324,796	4/30/98	2:10p
heust81.o	ASCII	408,039	4/30/98	2:10p

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Table VI-1. MCNP Output File Listing for WPO Selected Cases

Filename	File Type	File Size (bytes)	File Date	File Time
heust83.o	ASCII	273,289	4/30/98	2:10p
heust86.o	ASCII	287,196	4/30/98	2:10p
heust89O	ASCII	397,522	4/15/99	3:59p
hst1810.o	ASCII	281,134	4/30/98	2:10p
hst1811.o	ASCII	281,544	4/30/98	2:10p
hst1812.o	ASCII	281,449	4/30/98	2:10p
hxst142.o	ASCII	282,469	4/30/98	2:10p
hxst143.o	ASCII	281,163	4/30/98	2:10p
hxst153.o	ASCII	280,755	4/30/98	2:10p
hxst154.o	ASCII	281,068	4/30/98	2:10p
hxst155a.o	ASCII	281,225	4/30/98	2:10p
hxst162.o	ASCII	281,224	4/30/98	2:10p
hxst163.o	ASCII	280,914	4/30/98	2:10p
hxst174.o	ASCII	281,225	4/30/98	2:10p
hxst175.o	ASCII	281,537	4/30/98	2:10p
hxst178.o	ASCII	280,976	4/30/98	2:10p
hxst184.o	ASCII	281,442	4/30/98	2:10p
hxst187.o	ASCII	281,635	4/30/98	2:10p
hxst192.o	ASCII	281,634	4/30/98	2:10p
hxst193.o	ASCII	281,381	4/30/98	2:10p
hxt1810.o	ASCII	281,133	4/30/98	2:10p
hxt1812.o	ASCII	281,448	4/30/98	2:10p
IECT117O	ASCII	626,215	4/16/99	8:59a
IECT118O	ASCII	501,340	4/16/99	8:59a
IECT119O	ASCII	499,562	4/16/99	8:59a
IECT126O	ASCII	438,528	4/16/99	8:59a
IECT127O	ASCII	422,659	4/16/99	8:59a
IECT128O	ASCII	433,012	4/15/99	4:42p
IECT129O	ASCII	421,203	4/16/99	8:59a
leuja01.o	ASCII	277,122	4/30/98	2:10p
leuja14.o	ASCII	275,557	4/30/98	2:10p
leuja29.o	ASCII	276,015	4/30/98	2:10p
leuja30.o	ASCII	275,557	4/30/98	2:10p
leuja32.o	ASCII	274,578	4/30/98	2:10p
leuja33.o	ASCII	277,061	4/30/98	2:10p
leuja34.o	ASCII	277,370	4/30/98	2:10p
leuja36.o	ASCII	275,559	4/30/98	2:11p
leuja46.o	ASCII	275,816	4/30/98	2:11p
leuja49.o	ASCII	274,839	4/30/98	2:11p
leuja51.o	ASCII	274,931	4/30/98	2:11p
leuja54.o	ASCII	274,931	4/30/98	2:11p
leust21.o	ASCII	380,201	4/30/98	2:11p
leust22.o	ASCII	380,146	4/30/98	2:11p
leust23.o	ASCII	381,039	4/30/98	2:11p
pnl1158.o	ASCII	319,318	4/30/98	2:11p
pnl1159.o	ASCII	318,526	4/30/98	2:11p
pnl1161.o	ASCII	317,969	4/30/98	2:11p
pnl1577.o	ASCII	343,944	4/30/98	2:11p
pnl1678.o	ASCII	264,122	4/30/98	2:11p
pnl1783.o	ASCII	352,474	4/30/98	2:11p
pnl1868.o	ASCII	353,202	4/30/98	2:11p
pnl1969.o	ASCII	264,115	4/30/98	2:11p
pnl2070.o	ASCII	343,729	4/30/98	2:11p
pnl2565.o	ASCII	344,449	4/30/98	2:11p
pnl2666.o	ASCII	264,208	4/30/98	2:11p
pnl2767.o	ASCII	354,517	4/30/98	2:11p

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Table VI-1. MCNP Output File Listing for WPO Selected Cases

Filename	File Type	File Size (bytes)	File Date	File Time
pnl3187.o	ASCII	338,188	4/30/98	2:11p
pnl3391.o	ASCII	353,572	4/30/98	2:11p
pnl3492.o	ASCII	353,804	4/30/98	2:11p
pnl3593.o	ASCII	353,942	4/30/98	2:11p
pnl3694.o	ASCII	339,388	4/30/98	2:11p
pnl3795.o	ASCII	360,279	4/30/98	2:11p
pnl3808.o	ASCII	355,808	4/30/98	2:11p
pnl3896.o	ASCII	355,626	4/30/98	2:11p
pnl3897.o	ASCII	356,088	4/30/98	2:11p
pnl3898.o	ASCII	355,720	4/30/98	2:11p
pnl3999.o	ASCII	271,015	4/30/98	2:11p
pnl5300.o	ASCII	261,763	4/30/98	2:11p
pu003-1.o	ASCII	828,571	4/30/98	2:11p
pu003-2.o	ASCII	828,687	4/30/98	2:11p
pu003-3.o	ASCII	828,797	4/30/98	2:11p
pu003-4.o	ASCII	828,688	4/30/98	2:11p
pu003-5.o	ASCII	828,571	4/30/98	2:11p
pu003-6.o	ASCII	828,491	4/30/98	2:11p
pu003-7.o	ASCII	825,808	4/30/98	2:11p
pu003-8.o	ASCII	825,923	4/30/98	2:11p
pu004-1.o	ASCII	828,445	4/30/98	2:11p
pu004-2.o	ASCII	828,687	4/30/98	2:11p
pu004-3.o	ASCII	828,572	4/30/98	2:11p
pu004-4.o	ASCII	828,443	4/30/98	2:11p
pu004-5.o	ASCII	828,328	4/30/98	2:11p
pu004-6.o	ASCII	828,570	4/30/98	2:11p
pu004-7.o	ASCII	828,689	4/30/98	2:11p
pu004-8.o	ASCII	828,570	4/30/98	2:11p
pu004-9.o	ASCII	828,781	4/30/98	2:11p
pu005-1.o	ASCII	828,570	4/30/98	2:11p
pu005-2.o	ASCII	828,572	4/30/98	2:11p
pu005-3.o	ASCII	828,689	4/30/98	2:11p
pu005-4.o	ASCII	828,571	4/30/98	2:11p
pu005-5.o	ASCII	828,570	4/30/98	2:11p
pu005-6.o	ASCII	828,375	4/30/98	2:11p
pu005-7.o	ASCII	828,242	4/30/98	2:11p
pu005-8.o	ASCII	828,571	4/30/98	2:11p
pu005-9.o	ASCII	828,688	4/30/98	2:11p
pu007-2.o	ASCII	828,169	4/30/98	2:11p
pu007-3.o	ASCII	827,992	4/30/98	2:11p
pu007-5.o	ASCII	828,226	4/30/98	2:11p
pu007-6.o	ASCII	827,995	4/30/98	2:11p
pu007-7.o	ASCII	827,995	4/30/98	2:11p
pu007-8.o	ASCII	827,995	4/30/98	2:11p
pu007-9.o	ASCII	828,111	4/30/98	2:11p
pu04-10.o	ASCII	828,445	4/30/98	2:11p
pu04-11.o	ASCII	828,444	4/30/98	2:11p
pu04-12.o	ASCII	828,328	4/30/98	2:11p
pu04-13.o	ASCII	828,686	4/30/98	2:11p
pu07-10.o	ASCII	828,111	4/30/98	2:11p
pu10091.o	ASCII	843,749	4/30/98	2:11p
pu10092.o	ASCII	843,633	4/30/98	2:11p
pu10093.o	ASCII	843,866	4/30/98	2:11p
pu10111.o	ASCII	843,633	4/30/98	2:11p
pu10112.o	ASCII	843,866	4/30/98	2:11p
pu10113.o	ASCII	843,752	4/30/98	2:11p

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Table VI-1. MCNP Output File Listing for WPO Selected Cases

Filename	File Type	File Size (bytes)	File Date	File Time
pu10114.o	ASCII	843,633	4/30/98	2:11p
pu10115.o	ASCII	843,634	4/30/98	2:11p
pu10116.o	ASCII	843,633	4/30/98	2:11p
pu10117.o	ASCII	843,634	4/30/98	2:11p
pu10121.o	ASCII	843,749	4/30/98	2:11p
pu10122.o	ASCII	843,634	4/30/98	2:11p
pu10123.o	ASCII	843,887	4/30/98	2:11p
pu10124.o	ASCII	843,633	4/30/98	2:11p
pu11161.o	ASCII	826,502	4/30/98	2:11p
pu11162.o	ASCII	826,502	4/30/98	2:11p
pu11163.o	ASCII	826,745	4/30/98	2:11p
pu11164.o	ASCII	826,621	4/30/98	2:11p
pu11165.o	ASCII	826,503	4/30/98	2:11p
pu11181.o	ASCII	828,499	4/30/98	2:12p
pu11182.o	ASCII	828,255	4/30/98	2:12p
pu11183.o	ASCII	828,373	4/30/98	2:12p
pu11184.o	ASCII	828,254	4/30/98	2:12p
pu11185.o	ASCII	828,257	4/30/98	2:12p
pu11186.o	ASCII	828,059	4/30/98	2:12p
pu11187.o	ASCII	828,279	4/30/98	2:12p
pust1t1.o	ASCII	420,563	4/30/98	2:12p
pust1t2.o	ASCII	420,670	4/30/98	2:12p
pust1t3.o	ASCII	420,877	4/30/98	2:12p
pust1t4.o	ASCII	420,669	4/30/98	2:12p
pust1t5.o	ASCII	420,771	4/30/98	2:12p
pust1t6.o	ASCII	420,562	4/30/98	2:12p
pust9-1.o	ASCII	160,045	4/30/98	2:12p
pust9-2.o	ASCII	159,954	4/30/98	2:12p
pust9-3.o	ASCII	158,254	4/30/98	2:12p
u2331a.o	ASCII	915,223	4/30/98	2:12p
u2332a.o	ASCII	916,427	4/30/98	2:12p
u2332b.o	ASCII	917,444	4/30/98	2:12p
u2333a.o	ASCII	918,104	4/30/98	2:12p
u2333b.o	ASCII	917,683	4/30/98	2:12p
u2334a1.o	ASCII	921,557	4/30/98	2:12p
u2334b1.o	ASCII	921,667	4/30/98	2:12p
u2335a.o	ASCII	915,959	4/30/98	2:12p
u2335b.o	ASCII	918,399	4/30/98	2:12p
u2336a.o	ASCII	869,984	4/30/98	2:12p
u233s1.o	ASCII	930,245	4/30/98	2:12p
u233s2.o	ASCII	933,054	4/30/98	2:12p
u233s3.o	ASCII	933,110	4/30/98	2:12p
u233s4.o	ASCII	933,213	4/30/98	2:12p
u233s5.o	ASCII	930,667	4/30/98	2:12p
u233s6.o	ASCII	931,849	4/30/98	2:12p
ugd10e5.o	ASCII	774,265	4/30/98	2:13p
ugd12e5.o	ASCII	774,270	4/30/98	2:13p
ugd13e5.o	ASCII	774,000	4/30/98	2:13p
ugd14e5.o	ASCII	773,809	4/30/98	2:13p
ugd15e5.o	ASCII	773,263	4/30/98	2:13p
ugd16e5.o	ASCII	773,603	4/30/98	2:13p
ugd17e5.o	ASCII	773,273	4/30/98	2:13p
ugd18e5.o	ASCII	774,017	4/30/98	2:13p
ugd19e5.o	ASCII	773,433	4/30/98	2:13p
ugd1e5.o	ASCII	774,536	4/30/98	2:13p
ugd20e5.o	ASCII	773,127	4/30/98	2:13p

Table VI-1. MCNP Output File Listing for WPO Selected Cases

Filename	File Type	File Size (bytes)	File Date	File Time
ugd2e5.o	ASCII	774,340	4/30/98	2:13p
ugd3e5.o	ASCII	774,012	4/30/98	2:13p
ugd4e5.o	ASCII	773,722	4/30/98	2:13p
ugd5e5.o	ASCII	774,201	4/30/98	2:13p
ugd6e5.o	ASCII	775,886	4/30/98	2:13p
ugd7e5.o	ASCII	774,495	4/30/98	2:13p
ugd8e5.o	ASCII	776,072	4/30/98	2:13p
ugd9e5.o	ASCII	774,118	4/30/98	2:13p