

ERRATUM

ANSI/ANS-5.1-2005 Decay Heat Power in Light Water Reactors

The total uncertainty values listed for Examples 1 and 2 in Appendix B (page 32) were found to be incorrect. The corrected tables are below.

Table B.1—Example 1: Decay heat power relative to operating power

Time after shutdown (s)	²³⁵ U		²³⁹ Pu		²³⁸ U		²⁴¹ Pu		Total					
	P'_{di}/P	One sigma (%)	P'_{di}/P	One sigma (%)	P'_{di}/P	One sigma (%)	P'_{di}/P	One sigma (%)	P'_d/P	One sigma (%)	$G(t)$	P_d/P	P_{dHE}/P	$(P_d + P_{dHE})/P$
1.00E+00	2.454E-02 ¹⁾	2.8	2.128E-02	4.5	5.880E-03	9.0	5.993E-03	5.4	5.769E-02	4.3	1.00488	5.797E-02	2.678E-03	6.065E-02
1.00E+01	1.877E-02	2.0	1.704E-02	3.6	4.108E-03	5.7	4.498E-03	4.5	4.441E-02	3.2	1.00489	4.463E-02	2.672E-03	4.730E-02
1.00E+02	1.218E-02	1.8	1.166E-02	3.6	2.509E-03	5.2	2.822E-03	5.1	2.918E-02	3.1	1.00496	2.932E-02	2.611E-03	3.193E-02
1.00E+03	7.374E-03	1.8	7.109E-03	3.6	1.440E-03	5.0	1.646E-03	6.2	1.757E-02	3.2	1.00567	1.767E-02	2.126E-03	1.980E-02
1.00E+04	3.600E-03	1.7	3.352E-03	4.3	6.761E-04	4.7	7.519E-04	9.2	8.380E-03	3.7	1.01276	8.487E-03	1.234E-03	9.721E-03

¹⁾Read as 2.454×10^{-3} .

Table B.2—Example 2: Decay heat power relative to operating power

Time after shutdown (s)	²³⁵ U		²³⁹ Pu		²³⁸ U		²⁴¹ Pu		Total					
	P'_{di}/P	One sigma (%)	P'_{di}/P	One sigma (%)	P'_{di}/P	One sigma (%)	P'_{di}/P	One sigma (%)	P'_d/P	One sigma (%)	$G(t)$	P_d/P	P_{dHE}/P	$(P_d + P_{dHE})/P$
1.00E+05	1.722E-03 ¹⁾	2.0	1.704E-03	4.9	3.276E-04	3.8	3.821E-04	10.0	4.136E-03	4.1	1.144	4.732E-03	9.001E-04	5.632E-03
1.00E+06	8.854E-04	1.9	7.984E-04	5.0	1.558E-04	3.6	1.794E-04	10.0	2.019E-03	4.0	1.169	2.359E-03	4.182E-05	2.401E-03
1.00E+07	2.695E-04	1.9	2.294E-04	5.1	4.389E-05	3.9	5.227E-05	10.0	5.951E-04	4.0	1.206	7.179E-04		7.179E-04
1.00E+08	3.049E-05	2.2	2.031E-05	5.5	4.020E-06	4.5	4.561E-06	9.5	5.938E-05	4.0	1.497	8.887E-05		8.887E-05
1.00E+09	8.016E-06	2.0	2.510E-06	4.9	6.891E-07	4.3	4.145E-07	9.8	1.163E-05	3.0	1.000	1.163E-05		1.163E-05

¹⁾Read as 1.722×10^{-3} .