

**Enclosure 2**  
**Changes to KP-TR-022**  
**(Non-Proprietary)**

Hermes 2 Postulated Event Analysis Methodology			
Non-Proprietary	Doc Number	Rev	Effective Date
	KP-TR-022-NP	0	June 2023

Figure of Merit	Acceptance Criterion	Applicable Events
Peak structural graphite temperature-time	Generally bounded by temperature-time curves derived from the assumed MHA structural graphite temperature-time curve	Salt Spills, Reactivity Insertion, Increase in Heat Removal, Loss of Forced Circulation, PHSS break, <a href="#">IHX Tube Break</a>
Peak pebble carbon matrix temperature-time	Generally bounded by temperature-time curves derived from the assumed MHA pebble carbon matrix temperature-time curve	Salt Spills, Reactivity Insertion, Increase in Heat Removal, Loss of Forced Circulation, PHSS break, <a href="#">IHX Tube Break</a>
Peak TRISO temperature-time ex-vessel	Generally bounded by temperature-time curves derived from the assumed MHA fuel temperature-time curve	PHSS break
Amount of material at risk released	Less than limit derived to bound total releases of the postulated event to less than the MHA	PHSS break, <a href="#">Radioactive Release from Subsystem or Component</a>