

Input Value for Cases 8 - Table accompanying Answer 118 of KPS/AIS testimony		
Item	Value	Reference (unless noted reference is to report HI-2022854)
Cask mass (lbm)	360,000	p.12, Figure 8
Cask height (inch)	231.5	HI-STORM FSAR
Cask radius (inch)	66.25	HI-STORM FSAR
Pad length/width/thickness (ft)	67/30/3	Appendix C, p. C-1
Pad mass (lbm)	934700	Figure 8
Cask contact stiffness per facet (lbf/inch)	1179030	Figure 7 and Appendix A, p A-1
Cask Contact damping per facet (lbf *sec/inch)	4549.05	Appendix A, p A-2
Number of facets	34	Appendix A, p.A-1
Cask Locations (confirming runs)	Per array considered	Appendix A, p. A-4
Soil Data (1% tuned)		
Tuning frequency(Hz)	5	Appendix A, p.3
Tuning damping %	0.1(linear);1.0(rotational)	Appendix A, p.3
Kx(lbf/in)	9,796,000	Figure 6
Cx (lbm/sec)	240,800	"
Ky(lbf/in)	9,796,000	Figure 6
Cy (lbm/sec)	240,800	"
Kz(lbf/in)	9,796,000	Figure 6
Cz (lbm/sec)	240,800	"
Kxx(lbf-in/deg)	$1,385 \times 10^9$	Figure 6
Cxx (lbf in sec/deg)	881,620	"
Kyy(lbf-in/deg)	6.924×10^9	Figure 6
Cyy (lbf in sec/deg)	4,408,000	"
Kzz(lbf-in/deg)	8.309×10^9	Figure 6
Czz (lbf in sec/deg)	5,289,000	"
Seismic Input (10k)	3 input files	Geomatrix

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Input Value for Cases 11 - Table accompanying Answer 118 of KPS/AIS testimony		
Item	Value	Reference (unless noted reference is to report HI-2022854)
Cask mass (lbm)	360,000	p.12, Figure 8
Cask height (inch)	231.5	HI-STORM FSAR
Cask radius (inch)	66.25	HI-STORM FSAR
Pad length/width/thickness (ft)	67/30/3	Appendix C, p. C-1
Pad mass (lbm)	934700	Figure 8
Cask contact stiffness per facet (lbf/inch)	1179030	Figure 7 and Appendix A, p A-1
CaskContact damping per facet (lbf *sec/inch)	4549.05	Appendix A, p A-2
Number of facets	34	Appendix A, p.A-1
Cask Locations (confirming runs)	Per array considered	Appendix A, p. A-4
Soil Spring and Damper Data		
Kx(lbf/in)	7,849,520	Appendix C
Cx (lbm/sec)	8.533×10^7	"
Ky(lbf/in)	7,457,040	"
Cy (lbm/sec)	8.106×10^7	"
Kz(lbf/in)	10,280,000	"
Cz (lbm/sec)	1.648×10^8	"
Kxx(lbf-in/deg)	2.069×10^{10}	"
Cxx (lbf in sec/deg)	3.646×10^8	"
Kyy(lbf-in/deg)	6.947×10^9	"
Cyy (lbf in sec/deg)	8.068×10^7	"
Kzz(lbf in/deg)	1.781×10^{10}	"
Czz (lbf in sec/deg)	1.392×10^8	"
Seismic Input (10k)	3 input files	Geomatrix

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In the matter of _____

Staff _____

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Applicant ☒

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Other _____

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