Listing of Computer Files Contained in Enclosure 8
(All Files are Proprietary)

Disk ID No. (size)	Discipline	System/ Component	File Series (topics)	Number of files
OSM#1 Portable Hard Drive Enclosure 8 **Criticality Folder** (26.5 MB)	**Criticality**	**NUHOMS-EOS37PTH** **Criticality Analysis**	**Criticality - Folder**	
			001- EOS-37PTH – **Folder** Input and output files for various sensitivity analyses and maximum enrichment requirements as a function of basket type for the EOS-37PTH. The folder supports Chapter 7.	30
	Criticality	**NUHOMS-EOS89BTH** **Criticality Analysis**	**Criticality - Folder**	
			002-EOS-89BTH – **Folder** Input and output files for various sensitivity analyses and maximum enrichment requirements as a function of basket type for the EOS-89BTH. The folder supports Chapter 7.	30
	Criticality	**NUHOMS-EOS37PTH and NUHOMS-EOS89BTH** **Criticality Analysis**	Spreadsheet describing each input and output file	1

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Disk ID No. (size)	Discipline	System/ Component	File Series (topics)	Number of files
OSM#1 Portable Hard Drive Enclosure 8 **Shielding Folder** (70.9 MB)	**Shielding**	**NUHOMS®EOS System (Storage)**	001 Source Specification - **Folder**	
			001.01-37PTH - **Folder**	50
			001.02-89BTH - **Folder**	56
			002 Shielding Analysis - **Folder**	
			002.01-EOS-TC - **Folder**	
			002.01.01-37PTH – **Folder**	
			002.02.01.01-5b1g_dir – **Folder**	3
			002.02.01.02-5b1n_dir – **Folder**	3
			002.02.01.03-5h1g_dir – **Folder**	3
			002.02.01.04-5h1n_dir – **Folder**	3
			002.02.01.07-5l2g_dir – **Folder**	3
			002.02.01.08-5l2n_dir – **Folder**	3
			002.02.01.09-5z1g_dir – **Folder**	2
			002.02.01.10-5z1n_dir – **Folder**	2
			002.02.01.11-8b1g_dir – **Folder**	3
			002.02.01.12-8b1n_dir – **Folder**	3
			002.02.01.13-8h1g_dir – **Folder**	3
			002.02.01.14-8h1n_dir – **Folder**	3
			002.02.01.17-8l2g_dir – **Folder**	3
			002.02.01.18-8l2n_dir – **Folder**	3
			002.02.01.19-8z1g_dir – **Folder**	2
			002.02.01.20-8z1n_dir – **Folder**	2
			002.01.02-89BTH - **Folder**	56
			002.02-EOS-HSM - **Folder**	56
			003 Offsite Dose Calculations - **Folder**	30
			Spreadsheet describing each input and output file	1

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Disk ID No. (size)	Discipline	System/ Component	File Series (topics)	Number of files
Geometry Files				
OSM#1 Portable Hard Drive Enclosure 8 **Thermal Folder** (27.2 GB) **(Part 1 of 2)**	**Thermal**	**EOS-37PTH DSC**	Geometry-EOS-37PTH-DSC – **Directory** ICEM CFD files for EOS-37PTH DSC	**5**
	Thermal	**EOS-HSM**	Geometry-EOS-HSM – **Directory** ICEM CFD files for EOS-HSM	**5**
	Thermal	**EOS-TC125**	Geometry-EOS-TC125-Horizontal-LC3 – **Directory** ICEM CFD files for EOS-TC125 with horizontal orientation to be used for the load case #3 in the thermal analysis of the EOS-TC125 loaded with EOS-37PTH DSC	**3**
	Thermal	**EOS-TC125**	Geometry-EOS-TC125-Vertical-LC8 – **Directory** ICEM CFD files for EOS-TC125 with vertical orientation to be used for the load case #8 in the thermal analysis of the EOS-TC125 loaded with EOS-37PTH DSC	**3**
	Thermal	**EOS-TC108**	Geometry-EOS-TC108-Vertical-LC8 – **Directory** ICEM CFD files for EOS-TC108 with vertical orientation to be used for the load case #8 in the thermal analysis of the EOS-TC108 loaded with EOS-37PTH DSC	**3**

Listing of Computer Files Contained in Enclosure 8
(All Files are Proprietary)

	Discipline	System/ Component	File Series (topics)	Number of files
CFD Files				
OSM#1 Portable Hard Drive Enclosure 8 **Thermal Folder** (27.2 GB) **(Part 2 of 2)**	**Thermal**	**EOS-HSM loaded with EOS-37PTH DSC**	CFD-EOS-HSM-with-EOS-37PTH – **Directory** ANSYS FLUENT CFD files for the thermal model of the EOS-HSM loaded with the EOS-37PTH DSC with normal hot condition, 50 kW heat load (load case # 1a)	**9**
	Thermal	**EOS-TC125 loaded with EOS-37PTH DSC**	CFD-EOS-TC125-with-EOS-37PTH/LC3 _Transient – **Directory** ANSYS FLUENT CFD files for the transient thermal model of the EOS-TC125 loaded with the EOS-37PTH DSC with off-normal hot outdoor condition, 50 kW heat load (load case # 3)	**11**
	Thermal	**EOS-TC125 loaded with EOS-37PTH DSC**	CFD-EOS-TC125-with-EOS-37PTH/LC6 – **Directory** ANSYS FLUENT CFD files for the thermal model of the EOS-TC125 loaded with the EOS-37PTH DSC with off-normal hot outdoor condition, air circulation on, and 50 kW heat load (load case # 6)	**11**
	Thermal	**EOS-TC125 loaded with EOS-37PTH DSC**	CFD-EOS-TC125-with-EOS-37PTH/LC8 – **Directory** ANSYS FLUENT CFD files for the steady-state thermal model of the EOS-TC125 loaded with the EOS-37PTH DSC with normal hot indoor condition, 36.35 kW heat load (load case # 8)	**9**
	Thermal	**EOS-TC108 loaded with EOS-37PTH DSC**	CFD-EOS-TC108-with-EOS-37PTH/LC8 – **Directory** ANSYS FLUENT CFD files for the steady-state thermal model of the EOS-TC108 loaded with the EOS-37PTH DSC with normal hot indoor condition, 36.35 kW heat load (load case # 8)	**9**
	Thermal	**HSM-H loaded with 32PTH1 DSC**	CFD-benchmarking/HSMH32kW_B1 – **Directory** ANSYS FLUENT CFD files for the thermal model of the HSM-H loaded with the 32PTH1 DSC shell with 32 kW (load case # B1)	**4**

Listing of Computer Files Contained in Enclosure 8
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Disk ID No. (size)	Discipline	System/ Component	File Series (topics)	Number of Files
OSM#1 Portable Hard Drive Enclosure 8 **Structural Folder** (201 GB) (Part 1 of 3)	**Structural**	DSC Shell	Appendix 3.9.1 - DSC SHELL\INTERNAL PRESSURE Sub-Directory Input and output files for internal pressure analysis in the DSC shell (ANSYS Evaluation)	5
		DSC Shell	Appendix 3.9.1 - DSC SHELL\SIDE DROP Sub-Directory Input and output files for the side drop at the rail (ANSYS Evaluation)	5
		DSC Shell	Appendix 3.9.1 - DSC SHELL\LIMIT LOAD Sub-Directory Input and output files for side drop at rail limit load analysis (ANSYS Evaluation)	5
		DSC Shell	Appendix 3.9.1 - DSC SHELL\STRAIN Sub-Directory Input and output files for strain criteria analysis (ANSYS Evaluation)	5
		Basket	Appendix 3.9.2 - BASKET\EOS-37PTH\DWH Sub-Directory Input and output files for DW + handling load case for the EOS-37PTH Basket (ANSYS Evaluation)	5
		Basket	Appendix 3.9.2 - BASKET\EOS-89BTH\DWH Sub-Directory Input and output files for DW + handling load case for the EOS-89BTH Basket (ANSYS Evaluation)	5
		Basket	Appendix 3.9.2 - BASKET\EOS-37PTH\Drop_Accident_Bolts Sub-directory Input and output files 180 degree 60g side drop load for the EOS-37PTH basket (bolts modeled) (ANSYS analysis)	5
		Basket	Appendix 3.9.2 - BASKET\EOS-37PTH\Drop Accident_No_Bolts Sub-directory Input and output files 180 degree 60g side drop load for the EOS-37PTH basket (bolts not modeled) (ANSYS analysis)	5
		Basket	Appendix 3.9.2 - BASKET\EOS-89BTH\Drop_Accident_Bolts Sub-directory Input and output files 180 degree 60g side drop load for the EOS-89BTH basket (bolts modeled) (ANSYS analysis)	5

Listing of Computer Files Contained in Enclosure 8
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Disk ID No. (size)	Discipline	System/ Component	File Series (topics)	Number of Files
OSM#1 Portable Hard Drive Enclosure 8 **Structural Folder** (201 GB) (Part 2 of 3)	**Structural**	Basket	Appendix 3.9.2 - BASKET\EOS-89BTH\Drop Accident_No_Bolts Sub-directory Input and output files 180 degree 60g side drop load for the EOS-89BTH basket (bolts not modeled) (ANSYS analysis)	5
		Drop Analysis	Appendix 3.9.3 - DROP\EOS-37PTH-Corner Sub-Directory Input and output files for EOS-37PTH corner drop analysis (LS-DYNA Evaluation)	131
		Drop Analysis	Appendix 3.9.3 - DROP\EOS-37PTH-Side Sub-Directory Input and output files for EOS-37PTH side drop analysis (LS-DYNA Evaluation)	130
		Drop Analysis	Appendix 3.9.3 - DROP\EOS-89BTH-Side Sub-Directory Input and output files for EOS-89BTH side drop analysis (LS-DYNA Evaluation)	137
		HSM	Appendix 3.9.4 - HSM\SEISMIC-X Sub-Directory Input and output files for seismic analysis in the X-direction (ANSYS Evaluation)	5
		HSM	Appendix 3.9.4 - HSM\SEISMIC-Y Sub-Directory Input and output files for seismic analysis in the Y-direction (ANSYS Evaluation)	5
		HSM	Appendix 3.9.4 - HSM\SEISMIC-Z Sub-Directory Input and output files for seismic analysis in the Z-direction (ANSYS Evaluation)	5
		Transfer Cask	Appendix 3.9.5 – TC\End Drop Sub-Directory Input and output files for end drop analysis (ANSYS Evaluation)	6
		Transfer Cask	Appendix 3.9.5 – TC\Side Drop Sub-Directory Input and output files for side drop analysis (ANSYS Evaluation)	7

Listing of Computer Files Contained in Enclosure 8
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Disk ID No. (size)	Discipline	System/ Component	File Series (topics)	Number of Files
OSM#1 Portable Hard Drive Enclosure 8 **Structural Folder** (201 GB) (Part 3 of 3)	**Structural**	Transfer Cask	Appendix 3.9.5 – TC\Trunnions Sub-Directory Input and output files for handling loads analysis (ANSYS Evaluation)	6
		Transfer Cask	Appendix 3.9.5 – TC\NSS Sub-Directory Input and output files for EOS-TC108 Neutron Shield Shell enveloping analysis (ANSYS Evaluation)	5
		FUEL ROD	Appendix 3.9.6 - FUELROD\BWR-CORNER Sub-Directory Input and output files for 7x7 BWR fuel rod corner drop analysis (LS-DYNA Evaluation)	36
		FUEL ROD	Appendix 3.9.6 - FUELROD\BWR-SIDE Sub-Directory Input and output files for 10x10 BWR fuel rod side drop analysis (ANSYS Evaluation)	5
		FUEL ROD	Appendix 3.9.6 - FUELROD\PWR-CORNER Sub-Directory Input and output files for 14x14 PWR fuel rod corner drop analysis (LS-DYNA Evaluation)	33
		FUEL ROD	Appendix 3.9.6 - FUELROD\PWR-SIDE Sub-Directory Input and output files for 14x14 PWR fuel rod side drop analysis (ANSYS Evaluation)	5
		Stability	Appendix 3.9.7 – STABILITY Sub-Directory Time-dependent stability analyses (overturning and sliding) for tornado missile impact and seismic events (Excel Evaluation)	3