

## Listing of Computer Files Contained in Enclosure 8

Disk ID No. (size)	Discipline	System/Component	File Series (topics)	Number of Files
Enclosure 8  One Computer Hard Drive  Total (83.86 GB)  Structural (14.6 GB)	Structural	NUHOMS® Matrix / seismic stability evaluation	<b>Appendix A.3.9.7</b> <b>Folder: \Structural\Stability\MaxSliding</b> <b>Maximum sliding case</b> Input and output files for the maximum sliding case (Mianzhuqingping earthquake, $\mu=0.4$ ) (LS-DYNA Evaluation)	12
			<b>Appendix A.3.9.7</b> <b>Folder: \Structural\Stability\MaxRocking</b> <b>Maximum rocking case</b> Input and output files for the maximum rocking case (Tabas earthquake, $\mu=0.8$ ) (LS-DYNA Evaluation)	12
		<b>NUHOMS® Matrix /</b> <b>EOS37PTH and</b> <b>EOS89BTH DSCs</b> <b>Structural Analysis</b> <b>in HSM-MX</b>	<b>Appendix A.3.9.1</b> <b>Folder: \Structural\DSC\</b> Input and output files for the DSC seismic case on the HSM-MX DSC supports (ANSYS Evaluation) Seismic case (load case 1 in Appendix A.3.9.1.2.7.6) includes: <ul style="list-style-type: none"> <li>- 1.5g on the DSC axial direction toward the top of the DSC</li> <li>- 0.8g on the vertical direction</li> <li>- 1.6g on the DSC transverse direction</li> <li>- Dead weight (DSC and basket with fuel)</li> <li>- Internal pressure of 20 psi</li> </ul>	9
		<b>NUHOMS® Matrix /</b> <b>Concrete Evaluation</b>	<b>Appendix A.3.9.4</b> <b>Folder: \Structural\HSM-MX\ANSYS</b> <b>Structural analysis for Dead, Live, Seismic, Normal Thermal, and Accident Thermal load cases</b> Input and output files for structural analysis of the HSM-MX concrete structure (ANSYS Evaluation): <ul style="list-style-type: none"> <li>- Subfolder dl: Dead load</li> <li>- Subfolder ll: Live load</li> <li>- Subfolder ex: Seismic load (1g in X-direction)</li> <li>- Subfolder ey: Seismic load (1g in Y-direction)</li> <li>- Subfolder ez: Seismic load (1g in Z-direction)</li> <li>- Subfolder to: Normal thermal load</li> <li>- Subfolder ta: Accident thermal load</li> </ul>	27

## Listing of Computer Files Contained in Enclosure 8

<p>Enclosure 8</p> <p>One Computer Hard Drive</p> <p>Total (83.86 GB)</p> <p>Structural (14.6 GB)</p>	<p>(continued from previous page)</p> <p><b>Structural</b></p>		<p><b>Appendix A.3.9.4</b>  <b>Folder: \Structural\HSM-  MX\CivilFEM\dummy_shell</b>  <b>Calculate design forces and moments for  Dead, Live, Seismic, Normal Thermal, and  Accident Thermal load cases</b></p> <p>Input and output files for calculating design forces and moments for a front wall top component (Component 6) and an inclined slab component (Component 64) (CivilFEM Evaluation):</p> <ul style="list-style-type: none"> <li>- Subfolder dl_dmsh: Component 6 and 64 for dead load</li> <li>- Subfolder ll_dmsh: Component 6 and 64 for live load</li> <li>- Subfolder ex_dmsh: Component 64 for seismic load (1g in X-direction)</li> <li>- Subfolder ey_dmsh: Component 64 for seismic load (1g in Y-direction)</li> <li>- Subfolder ez_dmsh: Component 64 for seismic load (1g in Z-direction)</li> <li>- Subfolder to_dmsh: Component 64 for normal thermal load</li> <li>- Subfolder ta_dmsh: Component 6 for accident thermal load</li> </ul>	<p>65</p>
			<p><b>Appendix A.3.9.4</b>  <b>Folder: \Structural\HSM-  MX\CivilFEM\load_comb</b>  <b>Design for Seismic and Accident Thermal  load combination</b></p> <p>Input and output files for design of: an inclined slab component (Component 64) for seismic load combination (C4); and a front wall top component (Component 6) for accident thermal load combination (C7). (CivilFEM Evaluation)</p> <ul style="list-style-type: none"> <li>- Subfolder lc4: Component 64 for seismic load combination (C4)</li> <li>- Subfolder lc7: Component 6 for accident thermal load combination (C7)</li> </ul>	<p>26</p>

## Listing of Computer Files Contained in Enclosure 8

Disk ID No. (size)	Discipline	System/Component	File Series (topics)	Number of Files
Enclosure 8  One Computer Hard Drive  Total (83.86 GB)  Thermal (67.8 GB)	Thermal	<b>NUHOMS<sup>®</sup> EOS-HSM with EOS-37PTH DSC / Bounding normal hot storage evaluation with HLZC 4</b>	<p><b>Appendix 4.9.6 (Table 4.9.6-2)</b>  <b>Folder: \Thermal\1-EOS-HSM-EOS-37PTH-LC1-Normal-HLZC4</b></p> <p>Input and output files for the bounding normal hot storage condition with 8 mph side wind, HLZC 4 (50kW)  (ANSYS FLUENT Evaluation)</p> <ul style="list-style-type: none"> <li>- Subfolder 0-4500: output files for iterations from 0 to 4500</li> <li>- Subfolder 4501-6500: output files for iterations from 4501 to 6500</li> </ul>	28
		<b>NUHOMS<sup>®</sup> EOS-TC125 with EOS-37PTH DSC / Bounding normal transfer evaluation with HLZC 4</b>	<p><b>Appendix 4.9.6 (Table 4.9.6-4)</b>  <b>Folder: \Thermal\2-EOS-TC125-EOS-37PTH-LC1-Normal-HLZC4</b></p> <p>Input and output files for the bounding normal hot, indoor transfer condition without air circulation, HLZC 4 (50kW)  (ANSYS FLUENT Evaluation)</p> <ul style="list-style-type: none"> <li>- Subfolder steady: the steady-state simulation to evaluate initial state for transient simulation</li> <li>- Subfolder transient: the transient simulation for 13 hours</li> </ul>	33
		<b>NUHOMS<sup>®</sup> MATRIX with EOS-37PTH DSC / Bounding normal hot storage evaluation with HLZC 7 and coarse mesh</b>	<p><b>Appendix A.4 (Table A.4.2)</b>  <b>Folder: \Thermal\3-MATRIX-EOS-37PTH-LC1e-Normal-HLZC7-Coarse</b></p> <p>Input and output files for the bounding normal hot storage condition with 15 mph side wind, HLZC 7, and coarse mesh  (ANSYS FLUENT Evaluation)</p> <ul style="list-style-type: none"> <li>- Subfolder 0-6000: output files for iterations from 0 to 6000</li> <li>- Subfolder 6001-12000: output files for iterations from 6001 to 12000</li> </ul>	43
		<b>NUHOMS<sup>®</sup> MATRIX with EOS-37PTH DSC / Bounding normal hot storage evaluation with HLZC 7 and fine mesh</b>	<p><b>Appendix A.4 (Table A.4.2)</b>  <b>Folder: \Thermal\4-MATRIX-EOS-37PTH-LC1f-Normal-HLZC7-Fine</b></p> <p>Input and output files for the bounding normal hot storage condition with 15 mph side wind, HLZC 7, and fine mesh  (ANSYS FLUENT Evaluation)</p> <ul style="list-style-type: none"> <li>- Subfolder 0-6000: output files for iterations from 0 to 6000</li> <li>- Subfolder 6001-12000: output files for iterations from 6001 to 12000</li> </ul>	43

## Listing of Computer Files Contained in Enclosure 8

Disk ID No. (size)	Discipline	System/ Component	File Series (topics)	Number of Files
Enclosure 8  One Computer Hard Drive  Total (83.86 GB)  Shielding (1.45 GB)	Shielding	<b>NUHOMS® EOS-37PTH DSC</b>	<b>UFSAR Section 6.2.2 PWR and BWR Source Terms</b> 001 Source Specification – <b>Folder</b> Source terms for PWR HLZC#4, Zones 2 and 3	10
			<b>002 Shielding Analysis – Folder</b>	N/A
		<b>NUHOMS® EOS- 125/135</b>	<b>UFSAR Section 6.4.3 EOS-TC Dose Rates</b> 002.01 TC125 – <b>Folder</b> EOS-TC125/135 dose rates for the 37PTH DSC HLZC#4	N/A
			002.01.01 Transfer – <b>Folder</b>	6
			002.01.02 Decon – <b>Folder</b>	6
			002.01.03 Welding – <b>Folder</b>	6
			002.01.04 Accident – <b>Folder</b>	4
		<b>NUHOMS® EOS-HSM</b>	<b>UFSAR Section 6.4.4 EOS-HSM Dose Rates</b> 002.02 EOS-HSM – <b>Folder</b> EOS-HSM dose rates for the 37PTH DSC HLZC#4	6
		<b>NUHOMS® MATRIX</b>	<b>Appendix A.6.4.4 HSM-MX Dose Rates</b> 002.03 HSM-MX – <b>Folder</b> HSM-MX dose rates	N/A
			002.03.01 Single Ref – <b>Folder</b>	7
			002.03.02 Double Ref – <b>Folder</b>	7
			002.03.03 Triple Ref – <b>Folder</b>	7
			002.03.04 Door – <b>Folder</b>	7
			002.03.05 Accident – <b>Folder</b>	8
		<b>NUHOMS® MATRIX</b>	<b>Appendix A.11.3 Offsite Dose Calculations</b> <b>003 Offsite Dose Calculations – Folder</b>	N/A
			003.01 2_1x11 – <b>Folder</b>	6
			003.02 2x11 – <b>Folder</b>	6
			003.03 2x11 Accident – <b>Folder</b>	6
	Spreadsheet describing each input and output file	1		

## Listing of Computer Files Contained in Enclosure 8

Disk ID No. (size)	Discipline	System/Component	File Series (topics)	Number of Files
Enclosure 8  One Computer Hard Drive  Total (83.86 GB)  Criticality (6.09 MB)	<b>Criticality</b>	<b>NUHOMS-EOS37PTH Criticality Analysis</b>	<b>Criticality – Folder</b>	10
			<p style="text-align: center;"><b>Damaged-Failed(no RSB) – Folder</b></p> <p>The folder supports Chapter 7. Input and output files for various maximum damaged and failed fuel enrichment requirements as a function of basket type for the EOS-37PTH.</p>	
			<p style="text-align: center;"><b>Failed(RSB) – Folder</b></p> <p>The folder supports Chapter 7. Input and output files for the maximum BW 15x15 fuel assembly Class reactivity for the loading of 4 Rod Storage Baskets balanced with 33 intact fuels.</p>	2