

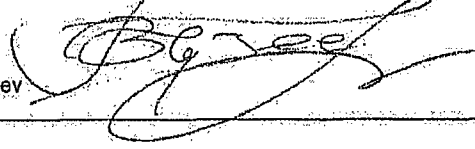




Non - PROPRIETARY Version

 TRANSNUCLEAR <small>AN AREVA COMPANY</small>	Form 3.2-1 Calculation Cover Sheet TIP 3.2 (Revision 2)		Calculation No.: 13302.0404
			Revision No.: 0
			Page: 1 of 10
DCR NO: N/A		PROJECT NAME: SMUD General Services	
PROJECT NO: 13302		CLIENT: SMUD, Sacramento Municipal Utility District	
CALCULATION TITLE: Thermal Evaluation of FC DSC loaded with Damaged Fuel Assemblies.			
SUMMARY DESCRIPTION: 1) Calculation Summary This study evaluates the effects of loading damaged fuel assemblies on thermal performance of FC DSCs. FC DSCs are designed to store intact fuel assemblies only. This study also determines the maximum fuel cladding temperature based on actual decay heat load. 2) Storage Media Description N/A			
If original issue, is licensing review per TIP 3.5 required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (explain below) Licensing Review No.: N/A This study is performed to support an exemption request to NRC for loading of damaged fuel assemblies in FC canisters and hence no licensing review is needed.			
Software Utilized: HEATING		Version: 7.2b	
Calculation is complete:			
Originator Name and Signature: Venkata Venigalla 		Date: 03/13/2008	
Calculation has been checked for consistency, completeness and correctness:			
Checker Name and Signature: Slava Guzeyev 		Date: 3/13/2008	
Calculation is approved for use:			
Project Engineer Name and Signature: Ian McInnes 		Date: 3/20/08	

REVISION SUMMARY

REV.	DATE	DESCRIPTION	AFFECTED PAGES	AFFECTED DISKS
0	3/20/08	Initial Issue	All	All

PROPRIETARY - Trade Secret

 TRANSNUCLEAR <small>AN AREVA COMPANY</small>	Calculation	Calculation No.: 13302.0404 Revision No.: 0 Page: 3 of 10
<p>Proprietary Information Withheld Pursuant to 10 CFR 2.390</p>		

PROPRIETARY - Trade Secret



TRANSNUCLEAR
AN AREVA COMPANY

Calculation

Calculation No.: 13302.0404

Revision No.: 0

Page: 4 of 10

Proprietary Information Withheld Pursuant
to 10 CFR 2.390

PROPRIETARY - Trade Secret



TRANSNUCLEAR
AN AREVA COMPANY

Calculation

Calculation No.: 13302.0404

Revision No.: 0

Page: 5 of 10

Proprietary Information Withheld Pursuant
to 10 CFR 2.390

PROPRIETARY - Trade Secret



TRANSNUCLEAR
AN AREVA COMPANY

Calculation

Calculation No.: 13302.0404

Revision No.: 0

Page: 6 of 10

Proprietary Information Withheld Pursuant
to 10 CFR 2.390

PROPRIETARY - Trade Secret



TRANSNUCLEAR
AN AREVA COMPANY


Calculation

Calculation No.: 13302.0404

Revision No.: 0

Page: 7 of 10

Proprietary Information Withheld Pursuant
to 10 CFR 2.390

 TRANSNUCLEAR <small>AN AREVA COMPANY</small>	Calculation	Calculation No.: 13302.0404 Revision No.: 0 Page: 8 of 10
<p>Proprietary Information Withheld Pursuant to 10 CFR 2.390</p>		

PROPRIETARY - Trade Secret



TRANSNUCLEAR
AN AREVA COMPANY

Calculation

Calculation No.: 13302.0404

Revision No.: 0

Page: 9 of 10

Proprietary Information Withheld Pursuant
to 10 CFR 2.390

PROPRIETARY - Trade Secret



TRANSNUCLEAR
AN AREVA COMPANY

Calculation

Calculation No.: 13302.0404

Revision No.: 0

Page: 10 of 10

Proprietary Information Withheld Pursuant
to 10 CFR 2.390