BSC

Calculation/Analysis Change Notice

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Complete only applicable items.

3. Document Identifier:	4. Rev.:	5. CACN:						
000-00C-MGR0-03900-000	00A	001						
6. Title:	<u> </u>							
Nuclear Criticality Calculations for Canister-Based Facilities - DOE SNF								
7. Reason for Change:								
Two errors were noted subsequent to document issue. These errors are identified in CR 11740.								
Two direct water name amost quant								
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8. Supersedes Change Notice:	Yes If, Yes, CACN No.:			No				
9. Change Impact:								
Inputs Changed:	Yes No	Results Impacted:	Yes	⊠ No				
Assumptions Changed:	Yes 🛛 No	Design Impacted:	Yes	⊠ No				
10. Description of Change:								
1. The document states (pg. 308, In	nteraction discussion):			#				
	onfiguration MCNP calculation	ns performed for undamage	d DOF SNF car	nisters demonstrate				
	ntrol) is necessary to ensuring							
				.don b ob bi vi				
canisters, but is not necessary for the ATR, SLWBR and DOE SNF SPWR canisters."								
The statement that interaction control is necessary to ensuring the subcriticality of TRIGA DOE SNF canisters is an error. The results of the MCNP calculations (Figure 7-13) demonstrate that interaction control is <u>not necessary</u> for TRIGA DOE SNF								
canisters. The actual MCNP calculations and results are correct and are correctly documented in Figure 7-13. Therefore, the correct statement is:								
	MCND - 1-1-1-1		1 DOE ONE					
	onfiguration MCNP calculation							
	ntrol) is necessary to ensuring to		IF and FSV DC	JE SNF canisters,				
but is not necessary for the ATR, SLWBR, SPWR and TRIGA DOE SNF canisters."								
This error only concerns the summary discussion in Section 7.2. This error has no impact on the document assumptions,								
calculations and results.								
2. The document states (pg. 328, Section A1.3):								
"The specification for water, based on water at 20° C (Handbook of Chemistry and Physics (Ref. 2.2.7, page 6-2)), is								
provided in Table A1-25."								
·								
The reference to Table A1-25 is a referencing error. The correct table reference is Table A1-12. Therefore, the correct statement is:								
"The specification for water, based on water at 20° C (Handbook of Chemistry and Physics (Ref. 2.2.7, page 6-2)), is provided in Table A1-12."								
This error has no impact on the document assumptions, calculations, results and conclusions.								
mpact on the document accomptions, entering the first and conclusions.								
11. REVIEWS AND APPROVAL								
Printed Name		Signature	•	Date				
11a. Originator:		R. C.		10 /00/2000				
B. A. Matthews		Klark		02/08/2008				
11b. Checker:	1.	1 9/ 2// 0		1001-00				
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11c. EGS:	DNA	Sold -		02/08/2008				
11d. DEM:	- Journ	ryce -		00/08/000				
M. R. Wisenburg	')	V(a))	02/08/2008				
11e. Design Authority:								
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