

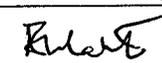
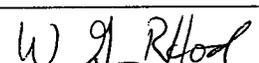
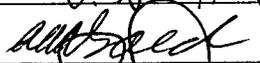
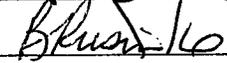
BSC

Calculation/Analysis Change Notice

1. QA: ~~QA~~ ^{Mu} QA 02/11/08
 2. Page 1 of 1

Complete only applicable items.

3. Document Identifier: 000-00C-MGR0-03900-000		4. Rev.: 00A	5. CACN: 001
6. Title: 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.			
8. Supersedes Change Notice:		<input type="checkbox"/> Yes If, Yes, CACN No.: _____ <input checked="" type="checkbox"/> No	
9. Change Impact:			
Inputs Changed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Results Impacted:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Assumptions Changed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Design Impacted:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
10. Description of Change:			
<p>1. The document states (pg. 308, Interaction discussion):</p> <p>“The infinite planar array configuration MCNP calculations performed for undamaged DOE SNF canisters demonstrate that spacing (interaction control) is necessary to ensuring the subcriticality of EF, FFTF, FSV and TRIGA DOE SNF canisters, but is not necessary for the ATR, SLWBR and DOE SNF SPWR canisters.”</p> <p>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:</p> <p>“The infinite planar array configuration MCNP calculations performed for undamaged DOE SNF canisters demonstrate that spacing (interaction control) is necessary to ensuring the subcriticality of EF, FFTF and FSV DOE SNF canisters, but is not necessary for the ATR, SLWBR, SPWR and TRIGA DOE SNF canisters.”</p> <p>This error only concerns the summary discussion in Section 7.2. This error has no impact on the document assumptions, calculations and results.</p> <p>2. The document states (pg. 328, Section A1.3):</p> <p>“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.”</p> <p>The reference to Table A1-25 is a referencing error. The correct table reference is Table A1-12. Therefore, the correct statement is:</p> <p>“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.”</p> <p>This error has no impact on the document assumptions, calculations, results and conclusions.</p>			

11. REVIEWS AND APPROVAL		
Printed Name	Signature	Date
11a. Originator: B. A. Matthews		02/08/2008
11b. Checker: W. G. Rhoden		02/08/2008
11c. EGS: A. A. Alsaed		02/08/2008
11d. DEM: M. R. Wisenburg		02/08/2008
11e. Design Authority: B. Rusinko		2/8/08