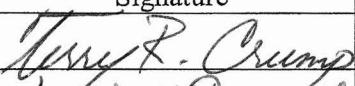
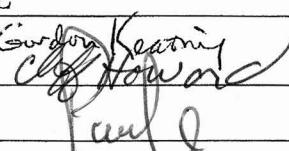
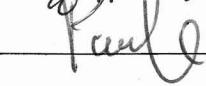


Model CH 5-22-08

	Scientific Analysis/Calculation Error Resolution Document <i>Complete only applicable items.</i>		QA: QA Page 1 of 2
INITIATION			
1. Originator: Gordon Keating	2. Date: 05/21/2008	3. ERD No. MDL-MGR-GS-000002 ERD 01	
4. Document Identifier: MDL-MGR-GS-000002 REV 03	5. Document Title: Atmospheric Dispersal and Deposition of Tephra from a Potential Volcanic Eruption at Yucca Mountain, Nevada		
6. Description of and Justification for Change (Identify applicable CRs and TBVs): The following evaluations/changes/corrections are posted to correct the condition identified in CR-11720. A justification for no impact to the conclusions of MDL-MGR-GS-000002 REV 03 is included. See attached.			
 Other documents that have been evaluated for impact of the use of MDL-MGR-GS-000002 REV 03 as direct input are: MDL-WIS-PA-000005 Rev. 00, MiscId 01 TOTAL SYSTEM PERFORMANCE ASSESSMENT MODEL/ANALYSIS FOR THE LICENSE APPLICATION - Volume I ANL-WIS-MD-000027 Rev. 00 FEATURES, EVENTS, AND PROCESSES FOR THE TOTAL SYSTEM PERFORMANCE ASSESSMENT: ANALYSES The evaluation reveals no instances in which Section 5.2.4 was cited as an input in another project document. Thus there is no impact to other documents.			
CONCURRENCE			
	Printed Name	Signature	Date
7. Checker	Terry Crump		5/21/2008
8. QCS/QA Reviewer	Sounia Kassabian Darnell		05/21/2008
APPROVAL			
9. Originator	Gordon Keating/ Cliff Howard		5/21/08 5-21-08
10. Responsible Manager	Paul Dixon		5-22-08

CR-11720 Evaluation

I. Background Information Summary:

A typographical error has been found in Section 5.2.4 of the model report MDL-MGR-GS-000002 REV 03 "Atmospheric Dispersal and Deposition of Tephra from a Potential Volcanic Eruption at Yucca Mountain" for the waste particle-size unit. The unit appears in the third paragraph of Section 5.2.4 as 0.2 mm instead of 0.2 cm.

The correct dimension is cited elsewhere in the document (Section 6.5.2.16 and Appendix F); also it is cited accurately in the product output DTN: LA0702PADE03GK.002.

III. Description of Change:

Page 5-6, Section 5.2.4, 3rd paragraph, last sentence; change to read:

"The upper bound (0.2 **cm**) represents a typical fragment size from a fractured postservice spent fuel pellet, and the lower bound (1 μm) recognizes the observed tendency for accretion of sub-micron particles."

Note: There are no changes required to the DIRS report.

IV. Inputs and/or Software:

There is no change to input values or to software.

V. Impact or Conclusions:

This was a typographical error and the corrected text completes the needed clarification. The error corrected by this ERD has no impact to the results or conclusions of MDL-MGR-GS-000002 REV 03.