



Model Error Resolution Document

QA: QA
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Complete only applicable items.

INITIATION

1. Originator: Wendy Mitcheltree	2. Date: 4/01/08	3. ERD No. ANL-EBS-MD-000049 ERD 01
4. Document Identifier: ANL-EBS-MD-000049 REV 03 AD02	5. Document Title: Multiscale Thermohydrologic Model	
6. Description of and Justification for Change (Identify applicable CRs and TBVs): <u>Introduction</u> This document was created to make changes in order to resolve one TBV (8655). The changes only apply to the Addendum 01 portion of the controlled document ANL-EBS-MD-000049 REV 03 AD02. 1.) TBV-8655: <u>Background Information Summary:</u> The incorrect document was cited for an Indirect Input. Currently ANL-WIS-MD-000026 REV 00, SNL 2007 [DIRS 179476] is cited; in all cases ANL-WIS-MD-000027 REV 00 SNL 2008 [DIRS 183041] should be cited instead. <u>AMR changes:</u> Section 6.3.18[a], p. 6-57[a]: The effects of vapor transport in collapsed drifts are discussed in <i>Features, Events, and Processes for the Total System Performance Assessment: Analyses</i> (SNL 2008 [DIRS 183041], FEP 1.2.03.02.0D). Section 8.4.1[a], p. 8-4[a]: The treatment of physical couplings in this addendum, as in the parent report, is consistent with the treatment of FEPs implemented in TSPA (SNL 2008 [DIRS 183041]). Section 8.4.1[a], p. 8-4[a]: The assumptions and technical approaches used in the MSTHM for modeling coupled process effects on seepage and flow are consistent with other abstractions and with the treatment of FEPs for TSPA (SNL 2008 [DIRS 183041]). Section 8.4.4[a], p. 8-8[a]: The treatment of thermally driven coupled processes in this addendum is consistent with the parent report, and also with the screening of FEPs for TSPA (SNL 2008 [DIRS 183041]). Section 9.1[a], p. 9-5[a]: remove citation to SNL 2007 [DIRS 179476] Add as follows: 183041 SNL (Sandia National Laboratories) 2008. <i>Features, Events, and Processes for the Total System Performance Assessment: Analyses</i> . ANL-WIS-MD-000027 REV 00. Las Vegas, Nevada: Sandia National Laboratories. ACC: DOC.20080307.0003.		

CONCURRENCE

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APPROVAL

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6. Description of and Justification for Change (Identify applicable CRs and TBVs): (Continued)

Impact Evaluation/Results: All of the changes are reflected on a corrected DIRS report for ANL-EBS-MD-000049 REV 03 AD01. There is no impact on the conclusions of the parent AMR, AD01 or AD02, the information is correctly cited but a correction was made to the DIRS number in Addendum 01 for traceability.

Below is a list of AMR's that use ANL-EBS-MD-000049 REV 03 AD02 (DIRS# 184433) as a source: ANL-DS0-NU-000001 Rev. 00, ANL-EBS-NU-000010 Rev. 00, ANL-WIS-MD-000024 Rev. 01, ANL-WIS-MD-000027 Rev. 00, CAL-DN0-NU-000002 Rev. 00C, MDL-NBS-HS-000023 Rev. 01, Addendum 01, and TDR-PCS-SE-000001 Rev. 05, Addendum 01. As stated, above there is no impact, there were no text changes other than the DIRS number citation.