



Model Error Resolution Document

QA: QA
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Complete only applicable items.

INITIATION

1. Originator: Wendy Mitcheltree	2. Date: 3/25/08	3. ERD No. ANL-NBS-HS-000047 ERD01
4. Document Identifier: ANL-NBS-HS-000047 REV 01	5. Document Title: THC Sensitivity Study of Heterogeneous Permeability and Capillarity Effects	

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

Introduction

This document was created to make changes in order to resolve TBV-8522. This document presents the disposition of the TBV, identifies changes to the AMR and evaluates impact on the conclusions of the AMR.

TBV-8522-

Background Information Summary: In five instances there was an incorrect Table cited for SNL 2007 [DIRS 177404]. The information cited was correct; only the citation to the Table was wrong. It should be cited as Table 4.1-4 not Table 4.1-5.

AMR changes:

Section 6.4.5, p. 6-17: These infiltration fluxes are 7.96, 12.89, and 20.45 mm/yr, respectively, during 0 to 600, 600 to 2,000, and beyond 2,000 years (SNL 2007 [DIRS 177404], Table 4.1-4).

Appendix A, pp. A.2-3, A.3-2 and A.4-2 same statement in all three places): The infiltration fluxes are 7.96, 12.89, and 20.45 mm/yr, respectively, between 0 to 600, 600 to 2,000, and beyond 2,000 years (the source of these infiltration flux data is DTN: LB0705DSTHC001.002 [DIRS 180854]; also see Section 4.1.4 and Table 4.1-4 of SNL 2007 [DIRS 177404]) – these simulations are included in folder **focus_1**.

Appendix D, p. D-2: 7: The infiltration column is inserted next. The infiltration fluxes can be found in Section 4.1.4 and Table 4.1-4 of *Drift-Scale THC Seepage Model* (SNL 2007 [DIRS 177404]).

Impact Evaluation/Results: All of the changes are reflected on a corrected final DIRS report for ANL-NBS-HS-000047 REV 01. There is no impact on the conclusions of the AMR or associated ACNs, the information is correctly cited but a correction was made to the table number for traceability.

Below is a list of AMR's that use ANL-NBS-HS-000047 REV 01 (DIRS# 177413) as a source: ANL-NBS-HS-000057 Rev. 00, ANL-WIS-MD-000027 Rev. 00, MDL-NBS-HS-000001 Rev. 05, MDL-NBS-HS-000006 Rev. 03, MDL-NBS-HS-000019 Rev. 01, Addendum 01 and LASAR-2.03.05. There is no impact to any of these documents because there are no substantial text changes other than changes related to the citation of a Table number for the source.

CONCURRENCE

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