



## Model Error Resolution Document

QA: QA  
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*Complete only applicable items.*

### INITIATION

1. Originator: Kenneth Rehfeldt	2. Date: March 31, 2008	3. ERD No. MDL-NBS-HS-000021 ERD 01
4. Document Identifier: MDL-NBS-HS-000021 REV 03 AD 02	5. Document Title: SATURATED ZONE FLOW AND TRANSPORT MODEL ABSTRACTION	
6. Description of and Justification for Change (Identify applicable CRs and TBVs):		
<p><b>Introduction</b> This ERD is written to make changes to resolve TBV-8804 and TBV-9166. The document presents the disposition of the TBV, identifies changes to the model report, and evaluates the impact on the conclusions of the report and any downstream products.</p> <p><b>Background Information Summary</b> TBV-8804. This TBV applies to the first addendum of the report MDL-NBS-HS-000021 REV 03. Because addendum 01 is incorporated in addendum 02, the TBV is addressed in the second addendum document. The citation to the TSPA model report [DIRS 178871] has an incorrect year given. In all cases, the year of the citation should be 2008 so that the correct citation is SNL 2008 [178871]. TBV-9166. The citation to the TSPA model report [DIRS 178871] has an incorrect year given. This TBV applies to the second addendum. In all cases, the year of the citation should be 2008 so that the correct citation is SNL 2008 [178871].</p> <p><b>AMR Changes</b> Since both TBV-8804 and TBV-9166 require the same changes, the AMR changes will be presented for both TBVs at the same time. The reference call out will be changed from SNL 2007 [178871] to SNL 2008 [178871] on the following pages in Addendum 01: 1-2, 6-1, 7-11 and on the following pages for addendum 02: 1-1[b], 7-8[b], 8-2[b], 8-3[b], and Table 8-1[b]. In addition, the reference citation on page 9-3 of addendum 01 and page 9-1[b] of addendum 02 should be changed to the following:  178871 SNL (Sandia National Laboratories) 2008. Total System Performance Assessment Model/Analysis for the License Application. MDL-WIS-PA-000005 REV 00. Las Vegas, Nevada: Sandia National Laboratories. ACC: DOC.20080204.0003.</p> <p><b>Additional Changes</b> The citation to SNL 2007 [DIRS 183478] also has an incorrect year that should be cited as SNL 2008 [DIRS 183478]. The correction will occur on pages 1-1[b] and 8-3[b] and in Table 8-1[b].</p> <p><b>Impact Evaluations/Results</b> The changes to the document are updates to the date of the references to the TSPA model report. It does not modify any of the values and has no impact to the conclusions of the report. A number of reports use the SZ flow and transport abstraction model as direct input. Those documents are: ANL-WIS-MD-000024 REV 01, MDL-WIS-PA-000005 REV 00, MDL-WIS-PA-000005 AD 01, and ANL-WIS-MD-000027. The changes as a result of this ERD do not alter any of the SZ flow and transport abstraction model figures, tables, output DTNs, model validation, model results, or model conclusions. As well, there is no impact to the downstream products from the changes in this ERD.</p>		

### CONCURRENCE

	Printed Name	Signature	Date
7. Checker	Susan Boggs		4/1/08
8. QCS/QA Reviewer	Brian Mitcheltree		4/2/08

### APPROVAL

9. Originator	Kenneth Rehfeldt		4/2/2008
10. Responsible Manager	Paul R. Dixon		4-3-08

Note: The DIRS report submitted with the ERD was mistakenly destroyed; a replacement DIRS report is provided.

agree with statement Paul Q 4-4-08  
Ken Rehfeldt 4/4/08