



Model Error Resolution Document

QA: QA
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Complete only applicable items.

INITIATION

1. Originator: Susan Boggs	2. Date: May 27, 2008	3. ERD No. MDL-NBS-HS-000011 ERD 03
4. Document Identifier: MDL-NBS-HS-000011 REV 03 ACN 01	5. Document Title: Saturated Zone Site-Scale Flow Model	

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

I. Background Information Summary
CR 11914. CR Description (copied from CAP system): *The ACN form for MDL-NBS-HS-000011 REV 03 ACN 01 indicates that p. 1-5 of the parent report is to be corrected. But that page is missing from the corrected pages attached as part of the ACN. The number of pages attached is also incorrect.*

To resolve CR 11914 this ERD contains the missing p. 1-5 and it is noted that the correct total number of pages in the attachment for MDL-NBS-HS-000011 REV 03 ACN 01 is 97, not 99. The missing page 1-5 adds explanations for CRs 8758 and 10893.

II. Inputs and/or Software
None

III. Impact Evaluation
CR 11914. The addition of the missing page and correction of the total number of pages enhances traceability of the information but does not affect the conclusions of the model report.

Below is a list of current controlled documents that were evaluated for impacts. These documents use MDL-NBS-HS-000011 REV 03 ACN 01 (DIRS#177391) as a source: ANL-NBS-HS-000039 REV 02, ACN 01; ANL-NBS-HS-000039 REV 02; ANL-WIS-MD-000024 REV 01; ANL-WIS-MD-000027 REV 00; MDL-EBS-PA-000004 REV 03; MDL-MGR-HS-000001 REV 00; MDL-NBS-HS-000006 REV 03; MDL-NBS-HS-000010 REV 03, AD 01; MDL-NBS-HS-000010 REV 03; MDL-NBS-HS-000021 REV 03, AD 01; MDL-NBS-HS-000024 REV 01; MDL-WIS-PA-000005 REV00, AD 01; MDL-WIS-PA-000005 REV 00; TDR-PCS-SE-000001 REV 05, AD 01; TDR-WIS-PA-000014 REV 00; the SAR.

IV. Analysis Results and Conclusions
CR 11914 documents a missing page. This missing page documents explanations for CRs 8758 (updating a TDIF) and 10893 (updating Section 9) in the ACN to the parent report. There are no impacts to the conclusions of the current and downstream documents, as each of the CRs identified opportunities to enhance transparency and traceability with no change to the conclusions of the report. Therefore there is no impact to downstream products.

The attached page is the missing page, 1-5, from MDL-NBS-HS-000011 REV 03 ACN 01.

CONCURRENCE

	Printed Name	Signature	Date
7. Checker	Ken Rehfeldt	<i>Keneth Rehfeldt</i>	6/9/2008
8. QCS/QA Reviewer	Peter Persoff	<i>Peter Persoff</i>	06/09/2008

APPROVAL

9. Originator	Susan Boggs	<i>Susan Boggs</i>	06/16/2008
10. Responsible Manager	Paul Dixon	<i>Paul Dixon</i>	6-16-08

- CR 7182 questioned the use of head boundaries with no vertical head variation. Section 6.3.1.6 presents the rationale for not varying the head vertically.
- CR 8337 identified errors in the constant head boundary condition specified along the southern boundary of the alternate SZ flow models. Because this is a complete revision of the SZ site-scale flow model, and there are no calibrated alternative models presented in this report), this CR is no longer applicable. Despite the inapplicability of this CR, care was taken to ensure that the southern boundary was correctly specified as the heads extracted from the potentiometric surface (Appendix E).
- CR 8758 identified that an output DTN (LA0304TM831231.001) of Rev 02 of the report did not have the qualification status updated in the TDIF when the report was completed and signed in 2004. This error has been corrected.
- CR 10893 documented numerous inconsistencies between the cited references throughout the document and the list of references in Section 9 of Rev 03. Section 9 has been completely revised to correct this error.