YMP	**Scientific Analysis/Calculation Error Resolution Document** *Complete only applicable items.*	QA: QA Page 1 of 3

INITIATION

1. Originator:	2. Date:	3. ERD No:
Scott James	4/16/08	ANL-NBS-MD-000010 ERD 01

4. Document Identifier:	5. Document Title:
ANL-NBS-MD-000010 REV 01	Recharge and Lateral Groundwater Flow Boundary Conditions for the Saturated Zone Site-Scale Flow and Transport Model

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

The purpose of this ERD is to resolve the CR associated with ANL-NBS-MD-000010 REV 01: CR-11872. The analyses and impacts are presented in the following pages of this ERD.

CONCURRENCE

	Printed Name	Signature	Date
7. Checker	Kenneth Rehfeldt	Kenneth Rehfeldt	05/06/2008
8. QCS/QA Reviewer	Peter Persoff	Peter Persoff	05/06/2008

APPROVAL

9. Originator	Scott James	Scott James	5/6/08
10. Responsible Manager	Paul Dixon	Paul D	5-8-08

I Background Information Summary

This ERD resolves the CR associated with *Recharge and Lateral Groundwater Flow Boundary Conditions for the Saturated Zone Site-Scale Flow and Transport Model* (ANL-NBS-MD-000010 REV 01): CR-11872.

CR-11872: Typographical errors were identified in the following two reports: MDL-NBS-HS-000011 REV03 and ANL-NBS-MD-000010 R01 in which the data qualification report by Wilson (2001 [DIRS 155614]) is cited. This is an erroneous citation in both reports. The correct citation is BSC (2001 [DIRS 155713]) entitled Data Qualification Report: Groundwater Recharge Data for use on the Yucca Mountain Project. There is no impact to the conclusions of either reports and there is no impact to LA as the data are appropriately identified by the DTN. The citation for the report follows:

ANL-NBS-MD-000010 REV 01 (Section B.1.4) "Outflow from the UZ model is technical product output, and the estimates of recharge from Fortymile Wash have been separately qualified (Wilson 2001 [DIRS 155614])."

II Inputs and/or Software

There are no direct inputs to this error resolution document.

No software controlled under IM-PRO-003, *Software Management*, is used in the analysis contained in this error resolution document.

III Analysis and Results

III.1 Analysis of CR-11872

In ANL-NBS-MD-000010 REV 01 (Section B1.4, p. B-3), change the reference from Wilson 2001 [DIRS 155614] to BSC 2001 [DIRS 155713].

On page 8-3, the following reference listing should be deleted:

155614 Wilson, C. 2001. *Data Qualification Report: Stratigraphic Data Supporting the Hydrogeologic Framework Model for Use on the Yucca Mountain Project*. TDR-NBS-HS-000013 REV 00. Las Vegas, Nevada: Bechtel SAIC Company. ACC: MOL.20010725.0225.

On page 8-1, the following replacement listing should be inserted:

155713 BSC (Bechtel SAIC Company) 2001. *Data Qualification Report: Groundwater Recharge Data For Use On The Yucca Mountain Project*. TDR-NBS-HS-000011 REV 00. Las Vegas, Nevada: Bechtel SAIC Company. ACC: MOL.20010405.0008; DOC.20071219.0003.

IV Impact Evaluation

A DIRS search revealed that no active documents cite ANL-NBS-HS-000010 REV 01 as direct input, so no documents were examined. It can be inferred that the resolution of the CR described in this ERD does not have any impact on any existing downstream technical products such as the TSPA-LA or the SAR, nor are there any impacts to the conclusions of the analysis report.