HLWYM HEmails

From: Yi-Ming Pan
Sent: Friday, July 22, 2005 11:43 AM
To: Ken Chiang; Lietai Yang; Xihua He
Subject: List of AMRs
Attachments: AMR Revision.doc

See attached.

You also need to get familiar with another DOE document "WAPDEG Analysis of Waste Package and Drip Shield Degradation" in connecting degradation model abstraction and TSPA (see a copy in g drive). As stated in the purpose of the document, WAPDEG analysis provides the TSPA with inputs and methodologies used to evaluate waste package and drip shield degradation. However, localized corrosion is not evaluated in this report.

Yiming

Hearing Identifier: HLW_YuccaMountain_Hold_EX
Email Number: 1636

Mail Envelope Properties (000001c58ed4$15707670$1bc8a281)

Subject: List of AMRs
Sent Date: 7/22/2005 11:43:19 AM
Received Date: 7/22/2005 11:43:19 AM
From: Yi-Ming Pan

Created By: ypan@cnwra.swri.edu

Recipients:
"Ken Chiang" <kchiang@cnwra.swri.edu>
Tracking Status: None
"Lietai Yang" <ltyang@cnwra.swri.edu>
Tracking Status: None
"Xihua He" <xhe@cnwra.swri.edu>
Tracking Status: None

Post Office: CESA

Files	**Size**	**Date & Time**
MESSAGE	469	7/22/2005 11:43:19 AM
AMR Revision.doc	42560	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Current AMRs with Forecast Revision Dates

Total System Performance Assessment

1) TSPA Model/Analysis for the License Application. MDL-WIS-PA-000004 REV 01. Las Vegas, Nevada: Bechtel SAIC Company. (new document)

Direct Inputs to TSPA-LA

Engineered System:

1) MOX/WPF Inventory/WF (New Document) (~06/06/05)

2) Dissolved Concentration Limits of Radioactive Elements. ANL-WIS-MD-000010 REV 03. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041109.0006. (05/24/05)

3) In-Package Chemistry Abstraction. ANL-EBS-MD-000037 REV 03. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041109.0007. (06/30/05)

Natural Systems

1) Disruptive Event Biosphere Dose Conversion Factor Analysis. ANL-MGR-MD-000003 REV 03. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20040908.0007. (05/03/05)

2) Nominal Performance Biosphere Dose Conversion Factor Analysis. ANL-MGR-MD-000009 REV 03. LAs Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20040909.0003. (04/26/05)

Near-Field Environment

1) Engineered Barrier System: Physical and Chemical Environment Model. ANL-EBS-MD-000033 REV 03. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041201.0001. (06/27/05)

Seismic Analysis

1) Seismic Consequence Abstraction. MDL-WIS-PA-000003 REV 01. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041025.0004. (05/27/05)

Indirect Inputs to TSPA-LA and Referenced in the SAR

Engineered Systems

1) Clad Degradation - Summary and Abstraction for LA. ANL-WIS-MD-000021 REV 03. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041004.0002. (02/17/05)

2) FEPs Screening of Processes and Issues in Drip Shield and Waste Package Degradation. ANL-EBS-PA-000002 REV 03. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041012.0004. (06/21/05)

Igneous Activity

1) Analysis of Secondary Dike Breakout. (New Document) (06/30/05)

2) Features, Events, and Processes: Disruptive Events FEPs. ANL-WIS-MD-000005 REV 02. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041108.0002. (06/25/05)

Natural Systems

1) Biosphere Dose Conversion Factor Importance and Sensitivity Analysis. ANL-NBS-MD-000014 REV 00. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041018.0010. (05/11/05)

2) Characteristics of the Receptor for the Biosphere Model. ANL-MGR-MD-000005 REV 03. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20040913.0004. (04/06/05)

3) Hydrogeologic Framework Model for the Saturated Zone Site Scale Flow and Transport Model. MDL-NBS-HS-000024 REV 00. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041118.0001. (06/10/05)

4) Particle Tracking Model and Abstraction of Transport Process. MDL-NBS-HS-000020 REV 01. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041020.0016. (07/06/05)

5) Saturated Zone Flow and Transport Model Abstraction. MDL-NBS-HS-000021 REV 02. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041028.0003. (06/30/05)

6) Simulation of Net Infiltration for Modern and Potential Future Climates. MDL-NBS-HS-000023 REV 00. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041109.0004. (05/26/05)

7) Site-Scale Saturated Zone Flow Model Sensitivity Analysis (New Document) (06/20/05)

8) UZ Flow Models Sensitivity Analysis (New Document) (07/06/05)

Near-Field Environment

1) Analysis of Dust Deliquescence for FEP Screening. (New Document) (06/06/05)

2) Drift-Scale Coupled Processes (DST and TH Seepage) Models. MDL-NBS-HS-000015 REV 02. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20050114.0004 (01/13/05)

3) Drift-Scale THC Seepage Model. MDL-NBS-HS-000001 REV 04. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20050218.0001 (02/17/05)

4) Engineered Barrier System Features, Events, and Processes. ANL-WIS-PA-000002 REV 03. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041122.0008. (06/27/05)

5) Mountain-Scale Coupled Processes (TH/THC/THM). MDL-NBS-HS-000007 REV 02. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20040915.0010. (TBD)

6) Multiscale Thermohydrologic Model. ANL-EBS-MD-000049 REV 02. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041014.0008 (04/25/05)

Seismic Analysis

1) Mechanical Assessment of the Drip Shield Subject to Vibratory Motion and Dynamic and Static Rock Loading. CAL-WIS-AC-000002 REV 00A. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20041028.0004. (08/25/05)

2) Peak Ground Motion Velocities for Seismic Events at Yucca Mountain, Nevada. ANL-MGR-GS-00004 REV 00. Las Vegas, Nevada: Bechtel SAIC Company. ACC: DOC.20050223.0002. (08/24/06)