

## **Memorandum to Record**

Date: March 14, 2008

From: Sounia Kassabian Darnell

Subject: Supplement to the PSHA Expert Elicitation Report “*Probabilistic Seismic Hazard Analyses for Fault Displacement and Vibratory Ground Motion at Yucca Mountain, Nevada*” CRWMS M&O 1998 [DIRS 103731], Accession number MOL.19981207.0393

This supplement to the PSHA Expert Elicitation Report is in response to Condition Report CR-9781 that identified the fault displacement hazard results submitted with DTN MO0401MWRPSHA.000 for demonstration sites 4 (Ghost Dance fault) and 5 (Sundance fault) were computed with incorrect site coordinates. Therefore, fault displacement hazard “inputs” and “results” files used in implementing the “earthquake approach” (CRWMS M&O 1998 [DIRS 103731], Section 4.3.2.2; BSC 2004 [DIRS 168030], Section 6.6.1.1), and total hazard (tot\_haz) files for sites 4 and 5, have been revised using the correct site coordinates. Impacts of the error are documented in Condition Report CR-9781 and in Impact Review 6079.

Table 8-1 and figures 8-5, 8-6, 8-18, and 8-19 have been revised as a result of this CR. The revised table and revised figures are attached and correct RIS pages 664, 669, 670, 682, and 683, respectively, of the existing record.

*S.K.-Darnell*