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MEMORANDUM

31 October 2000

To: Yucca Mountain File, Nye Co. N.W.R.P.O.
From: Don L. Shettel
Subject: Review of AMR/PMR: ANL-EBS-MO-000017 Rev 00.

Title: Pure Phase Solubility Limits.

Too much emphasis is placed on J-13 water which is not a vadose water composition, not a pore water composition, not a perched water composition, and not in the flow path of Yucca Mountain. The DoE must consider other compositions of water such as pore waters, perched waters, and brinier compositions that may develop during thermal tests and during heating of the repository.