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date: May 16, 1996

WP0 38940

to: Jim Ramsey, M5 13 28 :

from: Lucy Meigs, MS - 1324

subject: Non-Salado: Diffusive Tortuosity for the Culebra Dolomite (WPO# 37226)

The parameter records package for the Culebra Diffusive Tortuosity (WPO# 37226; Parameter Id: DTORT; Parameter number: TBD) is almost complete. For the PA Transport simulations using SECOTP the Culebra Diffusive Tortuosity should be 0.11. (All numbers and calculations have been checked, so this number can be assumed to be final for the purposes of filling out Form 464.) This tortuosity value is derived from lab core measurements as reported in Kelley and Saulnier (SAND90-7011) as well as additional lab tortuosity measurements recently completed by Terra Tech. The value selected for use in SECO-TP is the median value from borehole averaged values. Diffusive tortuosity should be a fixed parameter because there is a relatively small range to the data with few outliers.

The final records package will include the calculations of the mean tortuosity from core measurements.

Exceptic al Service in the Nitional Interest



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