

See Pocket 1  
for end

WMHL: 3104-<sup>101</sup>~~2~~

AUG 27 1982

**WM-10**  
**PDR**  
(Return to WM, 623-SS)

MEMORANDUM FOR: Malcolm R. Knapp  
High-Level Waste Licensing  
Management Branch  
Division of Waste Management

FROM: Ellen J. Quinn  
High-Level Waste Licensing  
Management Branch  
Division of Waste Management

SUBJECT: ANALYSIS OF THE BOUNDARY CONDITIONS AND CONDUCTIVITY  
RATIOS USED IN PASCO BASIN MODELING

Attached please find a copy of "Analysis of the Boundary Conditions and Conductivity Ratios Used in Pasco Basin Modeling." The report documents the sensitivity studies that were conducted on the NRC far field model of the Hanford Site. The study provides support for several recommendations made by NRC including the need to evaluate vertical conductivity and porosity. The report also discusses the additional modeling studies which should be conducted.

This satisfies Operating Plan commitment 311446-C.

ORIGINAL SIGNED BY  
Ellen J. Quinn  
High-Level Waste Licensing  
Management Branch  
Division of Waste Management

Enclosure:  
As stated

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"Pre-Decisional in Nature" <sup>MJB</sup> 8/27/82

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