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MEMORANDUM FOR: Michael F. Weber, WMHL
 Matthew J. Gordon, WMHL
 Julia Corrado, WMHT
 Jeffrey Pohle, WMHT
 Tim McCartin, RES

FROM: Peter M. Ornstein
 High-Level Waste Licensing
 Management Branch
 Division of Waste Management

SUBJECT: ADDITIONAL INFORMATION ON THE TOUGH CODE

To follow up on the August workshop at the TOUGH code, which was held at the Lawrence Berkley Laboratory, I am forwarding to you additional information on the code and its peripheral software. Karsten Pruess sent this information to us after updating the code to address comments made by the NRC staff during the workshop. The codes capabilities have been improved by extending the glossary of variable names, amplifying diagnostic statements, and reformatting output to print phase pore velocities.

Attached to this memo please find a set of moisture characteristic curves which have been plotted to match the corresponding functions embodied within the code, as well as documentation of the general-purpose mesh generator, OGRE. Karsten has also supplied the NRC with sample runs for the radial 2-D mesh generator RUNRADM and the rectangler 2-D mesh generator RMETO. If you are interested in either of these mesh generators, contact me for more information.

I will keep you informed on the status of loading TOUGH at Brookhaven National Laboratory.

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Peter M. Ornstein
 Peter M. Ornstein
 High-Level Waste Licensing
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