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SUBJECT: Forwards "Introduction to E-SCAN Multidirectional Electrical Mapping Sys," re Yucca Mountain site.

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Per our conversation earlier today, I've removed the copyrighted material from the document. Please have the purged document entered into the "system."

Thanks,  
Harold

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October 31, 1990

Mr. Harold LeFevre  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville Maryland 20852

Dear Mr. LeFevre

I am pleased to enclose two copies of an introduction to E-SCAN, which I promised you some time ago.

I have oriented the introduction to a simplistic model of the Yucca Mountain area, which I think will help in getting directly to the questions you and your associates will have.

Please call me at your convenience for further information or discussion. I hope we can have some more detailed technical discussion some time soon, as I think E-SCAN could provide some powerful insights into the area over, under, and around the proposed repository site.

A data set as comprehensive as this could serve as the baseline electrical regime for monitoring in future centuries. In the event of a distant or near regional geologic event, a re-survey of all or part of the area would establish the type and extent of any changes to the electrical regime, marking changes in groundwater levels, fault displacement, thermal and intrusive regimes, etc.

I look forward to hearing from you.

Regards,



Greg Shore,  
Premier Geophysics Inc.

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