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August 29, 2003
Contract No. NRC-02-02-012
Account No. 20.06002.01.131

U.S. Nuclear Regulatory Commission
ATTN: Mrs. Deborah A. DeMarco
Office of Nuclear Material Safety and Safeguards
Program Management, Policy Development, and Staff
Office of the Director
Mail Stop 8D-37
Washington, DC 20555

Subject: Programmatic Review of Poster

Dear Mrs. DeMarco:

The enclosed poster is being submitted for programmatic review. This poster follows the abstract and manuscript that were submitted for programmatic review on November 12, 2002, and May 2, 2003. This poster will be presented at the 2003 Society of Petroleum Engineers Annual Technical Conference and Exhibition to be held October 5-8, 2003, in Denver, Colorado. The title of the poster is:

"The New Small-Drillhole Minipermeameter Probe for *In Situ* Permeability Measurement" by C.L. Dinwiddie

The poster builds upon work accomplished by Cynthia during her dissertation research prior to her employment by the CNWRA. The poster takes the reader through (i) the motivations behind a new probe for measuring permeability; (ii) a physical description of the new probe; (iii) the analytical methods used to calculate permeability; (iv) a description of the instrument's averaging volume; and (v) data that were collected using the prototype probe in the field at a site in Escalante, Utah.

Please advise me of the results of your programmatic review by October 2, 2003. Your cooperation in this matter is appreciated.

Sincerely,


Budhi Sagar
Technical Director

/ph
Enclosure

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**THIS PAGE IS AN
OVERSIZED DRAWING OR
FIGURE,**

**THAT CAN BE VIEWED AT THE
RECORD TITLED:
"THE NEW SMALL-DRILLHOLE
MINIPERMEAMETER PROBE FOR
IN-SITU PERMEABILITY
MEASUREMENT (SPE 84595)"**

WITHIN THIS PACKAGE

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