

# **CNWRA** A center of excellence in earth sciences and engineering

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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

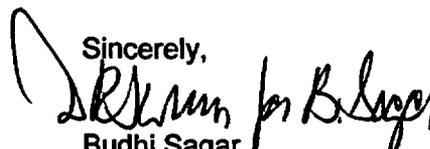
Dear Mrs. DeMarco:

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

cc:

M. Leach  
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Letter only:  
CNWRA Directors  
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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**

**D-01**