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June 10, 2005 Contract No. NRC-02-02-012 Account Nos. 20.06002.01.222

U.S. Nuclear Regulatory Commission ATTN: Mrs. Deborah A. DeMarco Office of Nuclear Material Safety and Safeguards Division of High-Level Waste Repository Safety Two White Flint North 11545 Rockville Pike Mail Stop T7-J8 Washington, DC 20555

Subject:

Programmatic Review of Abstract for the 2005 Geological Society of America

**Annual Meeting** 

Dear Mrs. DeMarco:

The enclosed abstract and form 390A are being submitted for NRC programmatic review. This abstract is planned to be presented as an invited talk at the 2005 Geological Society of America Annual Meeting to be held on October 16-19, 2005, in Salt Lake City, Utah. The title of the abstract is

Thermodynamics of Hydrothermal Uranyl Mineral Formation at Nopal I by William Murphy, California State University at Chico

This talk will present alternative interpretations of information from the Nopal I analog, addressing alteration of primary uraninite to a series of secondary uranyl minerals.

The document transmitted herewith contains sensitive unclassified information.

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Mrs. Deborah A. DeMarco Page 2 June 10, 2005

Please advise me of the result of your programmatic review. If you have any questions regarding this abstract, please contact Dr. English Pearcy at (210) 522-5540.

W. Patrick

Record Copy B

B. Sagar

Sincerely,

Gordon Wittmeyer, Ph.D.

Assistant Director, Earth Sciences

/nn

Enclosures:

**Abstract** 

NRC Form 390A

B. Leslie

J. Bradbury

D. Brooks

P. Justus J. Pohle

J. Trapp

A. Fetter

H. Arlt

cc:

W. Reamer

B. Meehan

E-Whitte W. Ford

T. McCartin

L. Kokajko

E. Collins

F. Brown

K. Stablein M. Bailey

J. Guttmann

A. Campbell

Letter Only:

**CNWRA** Directors CNWRA Elem. Mgrs.

L. Gutierrez