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November 2, 2005
Contract No. NRC-02-02-012
Account No. 20.06002.01.332

U.S. Nuclear Regulatory Commission
ATTN: Mrs. Deborah A. DeMarco
Division of High-Level Waste Repository Safety
Two White Flint North
11545 Rockville Pike
Mail Stop T8 A23
Washington, DC 20555

Subject: Programmatic Review of an Extended Abstract for Presentation at the 2006 International High-Level Radioactive Waste Management Conference, Las Vegas, Nevada, April 30–May 4, 2006 (Administrative Item: 20.06002.01.332.604)

Dear Mrs. DeMarco:

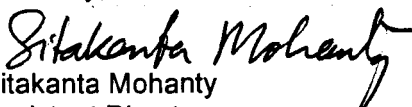
Enclosed is the following extended abstract with form 390A submitted for U.S. Nuclear Regulatory Commission programmatic review.

Indoor Worker Dose Calculations for Hot Cell Leakage, authored by R. Nes, R. Benke, N. Eisenberg, and G. Adams

This extended abstract presents a model for estimating doses to indoor workers if radionuclide releases occur as a result of an accident during remote handling of bare fuel assemblies. A similar model was implemented in the Preclosure Safety Analysis (PCSA) Tool Version 3.0.0.

If you have any questions regarding this extended abstract, please contact me at (210) 522-5185 or Razvan Nes at (210) 522-5038.

Sincerely,


Sitakanta Mohanty
Assistant Director
Engineering and Systems Assessment

SM: ar

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INDOOR WORKER DOSE CALCULATIONS FOR HOT CELL LEAKAGE

2. AUTHOR(s)

Razvan Nes, Roland Benke, Norman Eisenberg, and G. Adams

3. NAME OF CONFERENCE, LOCATION, AND DATE(s)

**2006 INTERNATIONAL HIGH-LEVEL RADIOACTIVE WASTE MANAGEMENT CONFERENCE
LAS VEGAS, NEVADA
APRIL 30- MAY 4, 2006**

4. NAME OF PUBLICATION

Proceedings of the International High-Level Radioactive Waste Management Conference

5. NAME AND ADDRESS OF THE PUBLISHER

**American Nuclear Society
555 North Kensington, Ave.
La Grange Park, IL 60526**

TELEPHONE NUMBER OF THE PUBLISHER

(708) 579-8253

6. CONTRACTOR NAME AND COMPLETE MAILING ADDRESS (include ZIP code)

**Razvan Nes
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