

June 23, 2005

MEMORANDUM TO: Jack R. Strosnider, Director
Office of Nuclear Material Safety
and Safeguards

THRU: C. William Reamer, Director
Division of High-Level Waste Repository Safety /ra/
Office of Nuclear Material Safety
and Safeguards

FROM: Tae M. Ahn /ra/
Senior Materials Engineer
Division of High-Level Waste Repository Safety
Office of Nuclear Material Safety
and Safeguards

SUBJECT: TRIP REPORT ON DISCUSSION WITH NUCLEAR INSTITUTES
ON THE BEHAVIOR OF SPENT NUCLEAR FUEL UNDER
REPOSITORY CONDITIONS; KARLSRUHE, GERMANY, MAY 30, 2005

Attached is a trip report documenting the visit of Tae M. Ahn of the Division of High-Level Waste Repository Safety (HLWRS) to two nuclear institutes in Karlsruhe, Germany to exchange views on the behavior of spent nuclear fuel under repository conditions. The meetings were held with staffs of the Institut für Nukleare Entsorgung, a German laboratory and the Institute for Transuranic Elements, a European Union laboratory. A staff member of Framatome ANP GmbH, a nuclear fuel company, was also present during the visit. Highlights of the trip are provided as Attachment 1 to this memorandum. This report expands upon a "quick look" report prepared on June 7, 2005. HLWRS believes the content of this report is not likely to be of interest to the Commission.

Attachment: As stated

cc: W. Dean (OEDO)
J. D. Lee (OIP)
M. Federline (NMSS)
T. Rothschild (OGC)
L. Silvious (ONSIR/INFOSEC)
D. Cool (NMSS)
W. Ford (NMSS/HLWRS)
E. Whitt (NMSS/HLWRS)

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