

Memorandum from Luis A. Reyes to the Commission,  
"Completion of Security Assessment of Spent Fuel Storage Casks  
for Land-Based Terrorist Threats," September 15, 2005

**REDACTED**

**02/12/2008**

September 15, 2005

MEMORANDUM TO: Chairman Diaz  
Commissioner Merrifield  
Commissioner Jaczko  
Commissioner Lyons

FROM: Luis A. Reyes /RA/  
Executive Director for Operations

SUBJECT: COMPLETION OF SECURITY ASSESSMENT OF SPENT FUEL  
STORAGE CASKS FOR LAND-BASED TERRORIST THREATS

In response to the staff requirements memorandum for SECY-04-0222, "Decision-Making Framework for Materials and Research and Test Reactor Vulnerability Assessments," the staff has evaluated various types of spent fuel storage casks. This evaluation is part of the staff's ongoing security assessments of spent fuel storage casks, spent fuel transportation packages, and radioactive material (non-spent fuel) transportation packages. The staff briefed the Commission technical assistants on the results of the assessments on June 23, 2005.

The spent fuel storage casks evaluated were the HI-STORM 100, the VSC-24, the NUHOMS®-32PT, and the TN-68. Each storage cask design represents a group of designs. The results would be similar for any design in the same group. The four casks were chosen to represent all currently certified spent fuel storage casks.

Based on these findings, the current security measures, including those enacted since September 11, 2001, are adequate. No additional mitigative measures for land-based terrorist scenarios are being recommended by the staff. The staff will formalize these findings in a report to the Commission.

ex. 2

cc: SECY  
OGC  
DOC  
OCA  
OPA  
CFO

CONTACTS: Benjamin Wilson, NMSS/SFPO  
(301) 415-8514  
  
Bernard White, NMSS/SFPO  
(301) 415-8515

<p><del>OFFICIAL USE ONLY</del> May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552)</p> <p>Exemption number <u>2</u> Nuclear Regulatory Commission review required before public release.</p> <p><u>M. Wayne Hodges, NMSS/SFPO/TRD</u> Name and organization of person making determination.</p> <p>Date of Determination <u>09/2/05</u></p>
--

MEMORANDUM TO: Chairman Diaz  
Commissioner Merrifield  
Commissioner Jaczko  
Commissioner Lyons

FROM: Luis A. Reyes /RA/  
Executive Director for Operations

SUBJECT: COMPLETION OF SECURITY ASSESSMENT OF SPENT FUEL  
STORAGE CASKS FOR LAND-BASED TERRORIST THREATS

In response to the staff requirements memorandum for SECY-04-0222, "Decision-Making Framework for Materials and Research and Test Reactor Vulnerability Assessments," the staff has evaluated various types of spent fuel storage casks. This evaluation is part of the staff's ongoing security assessments of spent fuel storage casks, spent fuel transportation packages, and radioactive material (non-spent fuel) transportation packages. The staff briefed the Commission technical assistants on the results of the assessments on June 23, 2005.

The spent fuel storage casks evaluated were the HI-STORM 100, the VSC-24, the NUHOMS®-32PT, and the TN-68. Each storage cask design represents a group of designs. The results would be similar for any design in the same group. The four casks were chosen to represent all currently certified spent fuel storage casks.

Based on these findings, the current security measures, including those enacted since September 11, 2001, are adequate. No additional mitigative measures for land-based terrorist scenarios are being recommended by the staff. The staff will formalize these findings in a report to the Commission.

ex.2

cc: SECY OGC DOC OCA OPA CFO

CONTACTS: Benjamin Wilson, NMSS/SFPO  
(301) 415-8514

Bernard White, NMSS/SFPO  
(301) 415-8515

DISTRIBUTION: WITS 200500299

NMSS r/f RidsNmssOd RidsEdoMailCenter EDO r/f SFPO r/f  
AMadison RidsNsirMailCenter JAridsen SHelton Ref. SECY-04-0222  
FSturz SYoung TAllen WOrders

**ML052490378**

OFC:	SFPO	SFPO	SFPO	SFPO	SFPO
NAME	BWilson:dmd1	BWhite	LCampbell	MWHodges	EWBrach/mwh
DATE	09/02/05	09/02/05	09/02/05	09/02/05	09/02/05
OFC	Tech Ed	NSIR	NMSS	EDO	
NAME	PKleene	MLayton	JStrosnider	LReyes	
DATE	09/06/05	09 / 08 /05	09/12/05	09/15/05	

OFFICIAL RECORD COPY