

April 27, 2007

MEMORANDUM TO: Cornelius F. Holden, Jr., Director  
Division of Risk Assessment  
Office of Nuclear Reactor Regulation

FROM: Jennifer L. Uhle, Deputy Director */RA/*  
Materials Engineering  
Division of Fuel, Engineering and Radiological Research  
Office of Nuclear Regulatory Research

SUBJECT: OFFICE OF NUCLEAR REGULATORY RESEARCH (RES) STAFF  
REPORT ON THE DUKE ARMORED CABLE SPURIOUS CIRCUIT  
OPERATION FIRE TESTS CONTAINING NO PROPRIETARY  
INFORMATION

During August and September, 2006, a representative from the Office of Nuclear Regulatory Research (RES) witnessed fire tests sponsored by Duke Power that were performed at Intertek Testing Services NA, Inc., near San Antonio, TX. RES performed this task as part of our response to the Office of Nuclear Reactor Regulation (NRR) User Need Request NRR-2006-014, "User Need Request: Office of Nuclear Reactor Research Technical Support for Nuclear Reactor Regulation National Fire Protection Association 805 Transition Program and Other On-Going Fire Protection Activities," dated September 29, 2006. The RES representative was present by Duke's invitation, and Duke provided him with extensive computer files of the test results and allowed him to take numerous photographs of the test setup before, during, and after the fire tests.

Duke intended for the information collected by the RES representative to be used by the Nuclear Regulatory Commission (NRC) staff, but did not intend for it to be made publically available. Accordingly, on March 8, 2007, an authorized Duke representative filed an affidavit requesting the NRC to withhold the information from public disclosure (ML070740544). After review, the NRC/NRR staff, with NRC/RES staff concurrence, accepted the request on March 28, 2007 (ML070730663).

The RES representative who witnessed the tests used the information Duke provided to write an RES Letter Report documenting the test results for NRC staff use (provided under separate cover) which is marked, "Non-Public Document, Contains Proprietary Information." His report has been placed in ADAMS as non-publically available (ML063060192). NRC users who access the report should protect it accordingly.

CONTACT: Hugh W. Woods, RES/DFERR  
301-415-6622

C. Holden

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When licensees provide the NRC staff with proprietary reports, they are also required to provide a non-proprietary version, with the proprietary portions redacted. Accordingly, the enclosed, redacted version of the report has been placed in ADAMS as publically available (ML071200168). This has been coordinated with Catherine Holzle of the Office of General Counsel (OGC).

Please contact me, or Mr. Hugh Woods of my staff at 301-415-6622), if you require any additional information.

Enclosure:

Report on Duke Armored Cable Fire Tests Containing No Proprietary Information

cc:

S. Weerakkody, NRR

R. Gallucci, NRR

D. Frumkin, NRR

N. Iqbal, NRR

C. Moulton, NRR

G. Taylor, NRR

C. Holzle, OGC

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