

May 24, 2005

MEMORANDUM TO : John Hannon, Chief
Plant Systems Branch
Division of Systems Safety and Analysis
Office of Nuclear Reactor Regulation

FROM: David C. Lew, Chief /RA/
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SUBJECT: FINAL TEST REPORTS FOR MT 3-HOUR RATED ELECTRICAL
RACEWAY FIRE BARRIER SYSTEMS

The purpose of this memorandum is to transmit the attached final test report for the MT 3-hour fire rated, Electrical Raceway Fire Barrier System (ERFBS). The testing was conducted on April 25, 2005, at Omega Point Laboratories (OPL), San Antonio, Texas.

RES has previously compiled both test reports for the Hemyc 1-hour rated ERFBS on a single CD, copies of which were made publicly available at the April 29, 2005 Hemyc Public Meeting. Those test reports can also be found in ADAMS under accession number ML051190026 (an additional source for this material is noted in the attachment to this memorandum). Results of the MT 3-hour rated ERFBS were also discussed at the public meeting. The attached final report is supplemental information to that public meeting.

RES has also compiled a list of the important deliverables for this project for easy reference (Attachment). This completes RES' planned testing for the Hemyc and MT ERFBS. RES is available to discuss any of these test reports at your request. If you have any questions please feel free to contact Mark Salley (x-2840) or Roy Woods (x-6622) of my staff.

Attachments: As stated

RES Confirmatory Fire Performance Testing of Hemyc and MT ERFBS
Publically Available RES Documents

Hemyc and MT fire-test-related publically-available documents are located on the NRC's ADAMS at the following numbers:

Pre-test photographs, and guides to those photographs, for Hemyc Test #1 (conduits) and Hemyc Test #2 (trays) at ML051080396.

Thermocouple (TC) maps and TC data for Hemyc Test #1 at ML050960202;

TC maps and TC data for Hemyc Test #2 at ML050960226;

A summary of the results of Hemyc Test #1 and Hemyc Test #2 at ML050880176;

The final version (Revision M, 4/08/05) of the Hemyc and MT test plan at ML051040193;

Meeting Notice for the 4/29/2005 Public Meeting at ML050960585;

Post-test photographs by Omega Point Laboratories, Inc., (OPL, the testing lab) for both Hemyc tests, and all photographs presented at the 4/29/2005 public meeting, at ML051230289;

The final OPL reports for both Hemyc tests, at ML051190026 (package). However, problems may arise due to file size and the Adobe software version used by OPL. Copies of the reports on a single CD were distributed at the 4/29/2005 public meeting, which can be read with Adobe 7.0 and some Adobe 6.? software. Additional CD copies are available by sending a U.S. mailing address to Hugh Woods (hww@nrc.gov), (copy will be sent by U.S. mail); and

The final OPL report for the MT test at ML0501430406 (package). If problems are encountered, copies are available by sending a U.S. mailing address to Hugh Woods (hww@nrc.gov), (copy will be sent by U.S. mail).

{Although not an RES document, it's noted here that NRR issued Information Notice 2005-07 regarding the Hemyc test results, which can be found on ADAMS at ML050890089.}

To retrieve an ADAMS document using an ADAMS accession number:

www.nrc.gov

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Attachment