

April 6, 2005

MEMORANDUM TO: David C. Lew, Chief
Probabilistic Risk Analysis Branch
Division of Risk Analysis Applications
Office of Nuclear Regulatory Research

FROM: Mark H. Salley, Team Leader/**RA**/
Probabilistic Risk Analysis Branch
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SUBJECT: PRELIMINARY HEMYC 1-HOUR FIRE RATED ELECTRICAL
RACEWAY FIRE BARRIER SYSTEMS TEST DATA

The purpose of this memorandum is to provide you the preliminary test data for the Hemyc 1-hour fire rated, Electrical Raceway Fire Barrier System (ERFBS), which will be made publically available and will be referenced in a meeting notice being prepared by the Office of Nuclear Reactor Regulation (NRR). The final test reports for the Hemyc ERFBS tests are currently being prepared, but will not likely be completed and made publically available before the April 29, 2005, public meeting. As a result, this data should be made publically available ahead of the final test reports to support the meeting.

NRR has reviewed the preliminary pass/fail results, which were transmitted in the memorandum from you to John Hannon, dated March 28, 2005 (ML050880176). Subsequently, NRR summarized the results in Information Notice 2005-007, "Results of Hemyc Electrical Raceway Fire Barrier System Full Scale Fire Testing," dated April 1, 2005 (ML050890089). These two documents, which are now publically available, and the attachments to this memorandum, which contain the specific tested configurations and thermocouple (TC) data, should be sufficient to support the April 29, 2005, public meeting.

Attachment 1 provides the TC maps and data on a raceway by raceway basis for the March 11, 2005, test consisting of conduit, junction box and support configurations. Attachment 2 provides the TC maps and data on a raceway by raceway basis for the March 25, 2005, test consisting of cable tray, junction box, and cable air drop configurations.

Please contact Roy Woods (x6622) or me (x2840) if you have questions or require further information.

- Attachments:
1. Hemyc 1-hour rated ERFBS Conduit, Junction Box and Supports, TC maps and TC recordings
 2. Hemyc 1-hour rated ERFBS Cable Tray, Junction Box, Cable Air Drops, TC maps and TC recordings.

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OAD in ADAMS? (Y or N) Y ADAMS ACCESSION NO.: ML TEMPLATE NO. RES- 006

Publicly Available? (Y or N) Y DATE OF RELEASE TO PUBLIC immediate SENSITIVE? N

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