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United States Nuclear Regulatory Commission
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RESPONSE TO NRC GENERIC LETTER 2006-03
"POTENTIALLY NONCONFORMING HEMYC AND MT
FIRE BARRIER CONFIGURATIONS"
HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NO. NPF-57
DOCKET NO. 50-354

Reference: Letter from Christopher I. Grimes (NRC) to Addressees, dated April 10, 2006, "NRC Generic Letter 2006-03: Potentially Nonconforming Hemyc and MT Fire Barrier Configurations"

On April 10, 2006, the NRC issued NRC Generic Letter (GL) 2006-03, "Potentially Nonconforming Hemyc and MT Fire Barrier Configurations." The GL requested a written response within 60 days in accordance with 10 CFR 50.54, "Conditions of licenses," paragraph (f). The GL requested information regarding the use of Hemyc and MT fire barrier materials and whether they are relied upon for separation and/or safe shutdown purposes. Additionally, the GL requested a description of the controls used to ensure other fire barrier types were capable of providing the necessary level of protection.

Attachment 1 provides the PSEG Nuclear LLC (PSEG) 60 day response to the Generic Letter for Hope Creek Generating Station.

There are no regulatory commitments contained in this letter. Should you have any questions concerning this letter, please contact Paul Duke at (856) 339-1466.

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I declare under penalty of perjury that the foregoing is true and correct.

Executed on 6/7/06
(date)

George P. Barnes
Site Vice President
Hope Creek Generating Station

Attachment (1)

C Mr. S. Collins, Administrator - Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

U. S. Nuclear Regulatory Commission
Mr. S. Bailey, Project Manager - Hope Creek
Mail Stop 08B1
Washington, DC 20555-0001

USNRC Senior Resident Inspector - Hope Creek (X24)

Mr. K. Tosch, Manager IV
Bureau of Nuclear Engineering
PO Box 415
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HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NO. NPF-57
DOCKET NO. 50-354
60-DAY RESPONSE TO NRC GENERIC LETTER 2006-03
POTENTIALLY NONCONFORMING HEMYC AND MT
FIRE BARRIER CONFIGURATIONS

On April 10, 2006, the NRC issued Generic Letter (GL) 2006-03, "Potentially Nonconforming Hemyc and MT Fire Barrier Configurations." The GL requested a written response within 60 days in accordance with 10 CFR 50.54, "Conditions of licenses," paragraph (f). The GL requested that licensees answer the following questions and provide the information to the NRC with respect to each of their Nuclear Power Plants (NPPs).

The PSEG Nuclear LLC (PSEG) response to the Generic Letter for Hope Creek Generating Station (HCGS) is provided below.

1. *Within 60 days of the date of this GL, provide the following:*
   a. *A statement on whether Hemyc or MT fire barrier material is used at their NPPs and whether it is relied upon for separation and/or safe shutdown purposes in accordance with the licensing basis, including whether Hemyc or MT is credited in other analyses (e.g., exemptions, license amendments, GL 86-10 analyses).*

      Response:
      Hemyc or MT fire barrier materials are not used at HCGS for electrical raceway fire barrier systems required for separation of redundant trains located in a single fire area.

   b. *A description of the controls that were used to ensure that other fire barrier types relied on for separation of redundant trains located in a single fire area are capable of providing the necessary level of protection. Addressees may reference their responses to GL 92-08 to the extent that the responses address this specific issue.*

      Response:
      PSEG's response is limited to fire barriers installed on electrical raceways and cable trays relied on to separate redundant trains. This is based on the scope of previous Generic Letters (i.e., Generic Letter 92-08 and Generic Letter 86-10) and information obtained from a May 10, 2006 conference call between Exelon Generation Company, LLC and the NRC staff.

      Electrical raceway fire wrap is not used at Hope Creek. The only application of fire wrap at Hope Creek that might be construed to be similar to raceway fire wrap is the use of 3M Type E50A mat on the

outside of the nonsegregated phase bus ducts. An engineering evaluation concluded that the bus duct fire wrap installation provides the intended function as an effective 1-hour fire barrier, consistent with UFSAR Section 8.3.1.2.1.1.b.

2. *Within 60 days of the date of this GL, for those addressees that have installed Hemyc or MT fire barrier materials, discuss the following in detail:*

   a. *The extent of the installation (e.g., linear feet of wrap, areas installed, systems protected),*

   Response:
   Not applicable. Neither Hemyc nor MT fire barrier material is used at HCGS for electrical raceway fire barrier systems required for separation of redundant trains located in a single fire area.

   b. *Whether the Hemyc and/or MT installed in their plants is conforming with their licensing basis in light of recent findings, and if these recent findings do not apply, why not,*

   Response:
   Not applicable. Neither Hemyc nor MT fire barrier material is used at HCGS for electrical raceway fire barrier systems required for separation of redundant trains located in a single fire area.

   c. *The compensatory measures that have been implemented to provide protection and maintain the safe shutdown function of affected areas of the plant in light of the recent findings associated with Hemyc and MT installations, including evaluations to support the addressees' conclusions, and*

   Response:
   Not applicable. Neither Hemyc nor MT fire barrier material is used at HCGS for electrical raceway fire barrier systems required for separation of redundant trains located in a single fire area.

   d. *A description of, and implementation schedules for, corrective actions, including a description of any licensing actions or exemption requests needed to support changes to the plant licensing basis.*

   Response:
   Not applicable. Neither Hemyc nor MT fire barrier material is used at HCGS for electrical raceway fire barrier systems required for separation of redundant trains located in a single fire area.

3. *No later than December 1, 2007, addressees that identified in 1.a. Hemyc and/or MT configurations are requested to provide a description of actions taken to resolve the nonconforming conditions described in 2.d.*

Response:
Not applicable. Neither Hemyc nor MT fire barrier material is used at HCGS for electrical raceway fire barrier systems required for separation of redundant trains located in a single fire area.