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APR 6 - 2010

10 CFR 50
10 CFR 51
10 CFR 54

LR-N10-0109

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Hope Creek Generating Station
Facility Operating License No. NPF-57
NRC Docket No. 50-354

Subject: Response to NRC Request for Additional Information, dated March 22, 2010, Related to Section 2.3 of the Hope Creek Generating Station License Renewal Application

Reference: Letter from Mr. Donnie Ashley (USNRC) to Mr. Thomas Joyce (PSEG Nuclear, LLC) "REQUEST FOR ADDITIONAL INFORMATION REGARDING THE LICENSE RENEWAL APPLICATION FOR SECTION 2.3.2, CONTAINMENT FOR THE HOPE CREEK GENERATING STATION", dated March 22, 2010

In the referenced letter, the NRC requested additional information related to Section 2.3.2 and 2.3.3 of the Hope Creek Generating Station License Renewal Application (LRA). Enclosed are the responses to this request for additional information.

This letter and its enclosure contain no regulatory commitments.

If you have any questions, please contact Mr. Ali Fakhar, PSEG Manager - License Renewal, at 856-339-1646.

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

Executed on 4/2/2010

Sincerely,

Paul J. Davison

Paul J. Davison
Vice President, Operations Support
PSEG Nuclear LLC

Enclosure: Responses to Request for Additional Information

cc: S. Collins, Regional Administrator – USNRC Region I
D. Ashley, Senior Project Manager, License Renewal – USNRC
C. Eccleston, Environmental Project Manager, License Renewal - USNRC
R. Ennis, Project Manager - USNRC
NRC Senior Resident Inspector – Hope Creek
P. Mulligan, Manager IV, NJBNE
L. Marabella, Corporate Commitment Tracking Coordinator
T. Devik, Hope Creek Commitment Tracking Coordinator

Enclosure

Responses to Request for Additional Information related to Sections 2.3.2 and 2.3.3 of the Hope Creek Generating Station License Renewal Application (LRA)

RAI 2.3.2.2-1
RAI 2.3.3.4-1

RAI 2.3.2.2-1

Containment Hydrogen Recombiner System

The components in Table 2.3.2.2 identify a component type "Fan Housing" with an intended function "Pressure Boundary". The license renewal drawing LR-M-58-1, Sheet 1, shows that the fan, identified as "Blower AV-215", has its inlet and outlet connected to 3 inch stainless steel pipes. However, the drawing also shows that the entire fan housing is enclosed by another housing made of carbon steel (CS). Please provide the purpose of the enclosure around the fan and state whether it is within the scope of license renewal in accordance with 10 CFR 54.4(a), and if it is subject to aging management review in accordance with 10 CFR 54.21(a)(1).

PSEG Response:

The blower unit (Blower AV-215) as shown on License Renewal Drawing LR-M-58, Sheet 1 Rev. 0 is comprised of an inner blower/motor unit and an outer carbon steel housing. The purpose of the outer blower unit housing is to provide a leak tight pressure boundary enclosure around the blower/motor assembly to eliminate any potential for a hydrogen gas mixture leak to the surrounding environment. Both the outer housing and the inner fan housing provide a pressure boundary function, are within scope of license renewal, and are subject to aging management review. They are both captured as the component type "Fan Housing" in Tables 2.3.2-2 and 3.2.2-1.

RAI 2.3.3.4-1

Containment Inerting and Purging system

The referenced license renewal drawings LR-M-57-1, Sheet 1, and LR-M-76-1, Sheet 1, appear to show valve numbers V024, V025, and V026 on both drawings and that they are within the scope of license renewal. Please clarify if these valves are the same. If they are not, provide the purpose of the additional set of valves and if they are, then all are required to be within the scope of license renewal.

PSEG Response:

Valves V024, V025 and V026 as shown on license renewal drawing LR-M-57-1 Sheet 1 coordinates F, G, H-7 are the same valves as V024, V025 and V026 shown with dashed lines on License Renewal Drawing LR-M-76-1 Sheet 1 coordinates E-6.

Valves V024, V025 and V026 on the above drawings are within scope of license renewal.