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September 4, 2013
13-097

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Division of Fuel Cycle Safety
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U.S. Nuclear Regulatory Commission
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- References:
- (1) License No. SNM-42, Docket 70-27
 - (2) Letter dated February 22, 2013, England (B&W) to Document Control Desk (NRC), Request to Amend Chapter 5 of the License No. SNM-42 License Application
 - (3) Letter dated May 3, 2013, Baker (NRC) to England (B&W), Request for Additional Information - Request to Amend Chapter 5, Criticality Safety (TAC L33268)
 - (4) Letter dated June 5, 2013, England (B&W) to Baker (NRC), Reply to Request for Additional Information (TAC L33268)

Subject: Additional Information - Chapter 5 Amendment, Criticality Safety (TAC L33268)

Dear Sir:

Per communication between Chris Tripp (NRC) and Larry Wetzel (NOG-L), Babcock & Wilcox Nuclear Operations Group, Inc. (B&W NOG) is providing requested additional information regarding the pending amendment to Chapter 5 of License SNM-42. The requested information can be found in Enclosure 1.

Additionally, the original amendment to Chapter 5 as submitted in letter dated February 22, 2013 (Reference 2) has been modified. The modified request is being submitted in accordance with 10 CFR 70.34. Enclosure 2 provides Chapter 5 in its entirety with the proposed changes denoted with vertical lines in the right margin. The amendment submitted in this letter supersedes the amendment requests made in letters dated February 22, 2013 (Reference 2) and June 5, 2013 (Reference 4).

The following changes to Chapter 5 are being submitted for approval:

Changes	Justification
Table of Contents: Select page numbers updated to reflect changes.	Editorial
5.2.3: Nuclear Criticality Safety Limits: Paragraph 2 bullet 2. k_{eff} limit changed and references to A1B and VFF removed and replaced with "welded"	Sentence changed to support the k_{eff} limit change to include all welded Naval Reactor clusters.

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5.2.3: Nuclear Criticality Safety Limits: Paragraph 3 bullet 2. Removed references to A1B and VFF from the sentence and replaced with "welded Naval Reactors".	Sentence changed to support the k_{eff} limit change to include all welded Naval Reactor clusters.
5.2.3: Nuclear Criticality Safety Limits: New paragraph 4 added.	Paragraph added to define the attributes of a NR welded cluster.

B&W NOG has evaluated the amendment in accordance with 10 CFR 51.22, specifically subsection (c)(11), and concluded that the amendment meets the criteria for categorical exclusion from environmental review because: 1) there is no significant change in the types or significant increase in the amounts of any effluents that may be released offsite; 2) there is no significant increase in individual or cumulative occupational radiation exposure; 3) there is no significant construction impact, and 4) there is no significant increase in the potential for or consequences from radiological accidents.

Should you have any questions in this regard, please contact me at 434.522.6045 or by email at caengland@babcock.com.

Sincerely,



Charles A. England
Manager, Licensing & Safety Analysis
Babcock & Wilcox Nuclear Operations Group, Inc. - Lynchburg

Enclosures

cc: NRC, Resident Inspector

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