

NRR-PMDAPEm Resource

From: Poole, Justin
Sent: Tuesday, February 07, 2017 4:12 PM
To: Thomas, Christine
Cc: Browne, Kenneth; Brown, Victoria - Seabrook Station Licensing Dept; Bower, Fred; Cataldo, Paul; Tsao, John; Koenick, Stephen; Alley, David
Subject: RE: SBK-L-17027 (Seabrook Station Relief Request)
Importance: High

Christine,

The NRC staff has reviewed the application and come up with the following questions/clarifications needed to complete our review of your relief request dated February 6, 2017.

1. Section 1, first paragraph (page 1) of the relief request, identifies an acronym 'PCCW'. CW stands for circulating water. What is 'PC' ?
2. Section 4, first paragraph, page 2, of the relief request states that the system design pressure is 150 psi. The paragraph also states that the maximum operating pressure is 170 psi. The design pressure should always be higher than the maximum operating pressure based on the ASME Code. Explain why the maximum operating pressure is higher than the design pressure.
3. Section 4 states that "...the ASME Code required minimum pipe wall was calculated to be 0.105 inch based upon a system design pressure of 150 psi. In accordance with Code Case N-513-3 criteria, a value of 0.120 inch was calculated based upon maximum operating pressure of 171 psi...only two locations were identified to have resulting wall thickness values below the Code required minimums. These two are not through wall and have remaining wall values of 0.089 inch...and 0.117 inch..." Section 7.1 (top of page 4) states that "...Conservatively using a value of 110 psi, the N-513-3 required minimum pipe wall for maximum operating pressure is 0.077 inch..." All 3 wall thickness values, 0.105, 0.120, and 0.077 inches are identified as Code required minimums in the above statements. However, specify the exact Code required minimum wall thickness that is used for the regulatory purpose of the proposed relief request (i.e., the relief request would expire when and if the measured wall thickness is less than the code required minimum).
4. First paragraph of page 4 states that "...The original analysis assumed the pump shutoff head was 325 ft. which was subsequently reduced to 250 ft. or 107.2 psi..." Discuss why the pump shutoff head was reduced.
5. The table on page 3 of the relief request (page 6 of 38 pdf file) provides the minimum wall thickness of Flaw Numbers 1, 2, and 3 that are located at specific location of the pipe. Page 35 of 38 pdf (an email from Scott Hamel to Henry Mentel) provides a table showing the measure wall thickness at specific azimuthal position of the pipe. The wall thickness for the flaw at 125 degree Azimuthal is measured to be 0.19 inches as shown on page 35 of 38. However, the corresponding flaw in table of page 3 shows a minimum thickness of 0.117 inches. Clarify whether the wall thickness at the 125 Azimuthal degree position is 0.117 inches or 0.19 inches.

*Justin C. Poole
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NRR/DORL/LPL I
U.S. Nuclear Regulatory Commission
(301)415-2048*

From: Thomas, Christine [mailto:Christine.Thomas@nexteraenergy.com]
Sent: Monday, February 06, 2017 5:29 PM
To: Poole, Justin ; Barkley, Richard ; Bower, Fred ; Cataldo, Paul ; Tsao, John
Cc: Browne, Kenneth ; Brown, Victoria - Seabrook Station Licensing Dept
Subject: [External_Sender] SBK-L-17027 (Seabrook Station Relief Request)

Hi all-

SBK-L-17027, "Seabrook Station Relief Request RA-17-002, Proposed Alternative in Accordance with 10 CFR 50.55a(z)(2)" has been submitted via the Electronic Information Exchange. I've also attached a copy to this e-mail for your reference.

Sincerely,
Christine



Christine Thomas

NextEra Energy Seabrook LLC
N Engineer Senior
Licensing

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603-615-0425 Pager
Christine.Thomas@nee.com

Hearing Identifier: NRR_PMDA
Email Number: 3329

Mail Envelope Properties (Justin.Poole@nrc.gov20170207161100)

Subject: RE: SBK-L-17027 (Seabrook Station Relief Request)
Sent Date: 2/7/2017 4:11:35 PM
Received Date: 2/7/2017 4:11:00 PM
From: Poole, Justin

Created By: Justin.Poole@nrc.gov

Recipients:

"Browne, Kenneth" <Kenneth.J.Browne@nexteraenergy.com>
Tracking Status: None
"Brown, Victoria - Seabrook Station Licensing Dept" <Victoria.Brown@nexteraenergy.com>
Tracking Status: None
"Bower, Fred" <Fred.Bower@nrc.gov>
Tracking Status: None
"Cataldo, Paul" <Paul.Cataldo@nrc.gov>
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Tracking Status: None
"Koenick, Stephen" <Stephen.Koenick@nrc.gov>
Tracking Status: None
"Alley, David" <David.Alley@nrc.gov>
Tracking Status: None
"Thomas, Christine" <Christine.Thomas@nexteraenergy.com>
Tracking Status: None

Post Office:

Files	Size	Date & Time
MESSAGE	3352	2/7/2017 4:11:00 PM
image001.png	10097	

Options

Priority: High
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:



Christine Thomas

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