

From: Thomas, Vaughn
Sent: Monday, January 6, 2020 2:02 PM
To: gary.d.miller@dominionenergy.com
Cc: Miller, Ed
Subject: Surry RAI Regarding its Rx Coolant P-T Limits LAR
Attachments: Final RAI for Surry Regarding its Rx Coolant P-T Limits LAR.docx

Gary,

The attached file constitutes the staff's issuance of the final RAI to you. The staff expects your response to the RAI within 30 days from today's date, January 6, 2020.

Thanks
Vaughn

Vaughn Thomas, Project Manager

Plant Licensing Branch 4
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation
Vaughn.Thomas@nrc.gov
301-415-5897

Hearing Identifier: NRR_DRMA
Email Number: 374

Mail Envelope Properties (CH2PR09MB4266017C95008A1011B7B00CF43C0)

Subject: Surry RAI Regarding its Rx Coolant P-T Limits LAR
Sent Date: 1/6/2020 2:02:20 PM
Received Date: 1/6/2020 2:02:00 PM
From: Thomas, Vaughn

Created By: Vaughn.Thomas@nrc.gov

Recipients:

"Miller, Ed" <Ed.Miller@nrc.gov>

Tracking Status: None

"gary.d.miller@dominionenergy.com" <gary.d.miller@dominionenergy.com>

Tracking Status: None

Post Office: CH2PR09MB4266.namprd09.prod.outlook.com

Files	Size	Date & Time	
MESSAGE	445	1/6/2020 2:02:00 PM	
Final RAI for Surry Regarding its Rx Coolant P-T Limits LAR.docx			29965

Options

Priority: Normal
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:

REQUEST FOR ADDITIONAL INFORMATION
UPDATE OF REACTOR COOLANT SYSTEM HEATUP AND COOLDOWN
PRESSURE-TEMPERATURE LIMITATIONS FIGURES
FOR SUBSEQUENT LICENSE RENEWAL
PALO VERDE NUCLEAR GENERATING STATION, UNIT 1
VIRGINIA ELECTRIC AND POWER COMPANY
DOCKET NOS. 50-280 AND 50-281

By letter dated September 19, 2019 (Agencywide Document Access and Management System (ADAMS) Accession Number ML19269B775) Virginia Electric and Power Company (VEPC, the licensee) submitted a license amendment request (LAR) to revise Technical Specifications (TS) 3.4.3, "[Reactor Coolant System] Pressure and Temperature Limits," for Surry Power Station (SPS), Units 1 and 2. Specifically, the licensee proposed to: 1) update the cumulative core burnup applicability limit (Effective Full Power Years; EFPY) from 48 to 68 EFPY, and 2) revise and relocate the limiting material property basis from the TS figures to the TS Basis. The licensee proposed that the 48-EFPY pressure-temperature (P-T) limits were acceptable for operation out to 68 EFPY. The licensee's analysis providing the technical basis for their proposal is found in WCAP-18242 (ADAMS Accession No. ML18085A161) and WCAP-18243 (ADAMS Accession No. ML18085A161).

To complete its evaluation, the NRC staff requests additional information as follows.

1. The licensee's technical basis for demonstrating the acceptability of the 48-EFPY P-T curves for 68 EFPY is documented in WCAP-18242 and WCAP-18243. The licensee submitted as part of the SLR application WCAP-18242, Rev. 0, and WCAP-18243, Rev. 0 (see ADAMS Accession Nos. ML18085A161 and ML18085A164, respectively). The licensee's TS LAR references WCAP-18242, Rev. 2, and WCAP-18243, Rev. 3. The staff requests that the licensee provide the latest versions of WCAP-18242 and WCAP-18243 to be made publicly available in ADAMS.