



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

October 10, 2019

MEMORANDUM TO: Eric R. Oesterle, Chief  
License Renewal Projects Branch  
Division of Materials and License Renewal  
Office of Nuclear Reactor Regulation

FROM: Angela Wu, Project Manager /RA/  
License Renewal Projects Branch  
Division of Materials and License Renewal  
Office of Nuclear Reactor Regulation

SUBJECT: SURRY POWER STATION, UNITS 1 AND 2, SUBSEQUENT  
LICENSE RENEWAL APPLICATION SAFETY REVIEW –  
DOCUMENTATION OF DRAFT THIRD ROUND REQUESTS  
FOR ADDITIONAL INFORMATION

By letter dated October 15, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18291A842), as supplemented by letters dated January 29, 2019 (ADAMS Accession No. ML19042A137), April 2, 2019 (ADAMS Accession No. ML19095A666), and June 10, 2019 (ADAMS Accession No. ML19168A028), Virginia Electric and Power Company (Dominion Energy Virginia or Dominion) submitted to the U.S. Nuclear Regulatory Commission (NRC or staff) an application to renew the Renewed Facility Operating License Nos. DPR-32 and DPR-37 for the Surry Power Station, Units 1 and 2 (SPS). Dominion submitted the application pursuant to Title 10 of the *Code of Federal Regulations* Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants," for subsequent license renewal.

On September 18 – 20, 2019, the NRC staff transmitted four draft 3<sup>rd</sup> round requests for additional information (RAIs) to Dominion to support the need for additional clarification, as related to the following technical review areas:

- Selective Leaching (ADAMS Accession No. ML19283B628)
- Open Cycle Cooling Water (ADAMS Accession No. ML19283B623)
- Buried and Underground Piping and Tanks (ADAMS Accession No. ML19283B627)

On September 24, 2019, a clarification call was held between the NRC staff and Dominion regarding the details of the four RAIs. With the exception of one of the RAIs related to Buried and Underground Piping and Tanks, B2.1.27-2b, Dominion committed to providing the additional information to address the RAIs in their upcoming annual update, expected October 15, 2019. For RAI B2.1.27-2b, the NRC staff identified the need for additional follow-up questions and offered Dominion additional follow-up clarification calls.

CONTACT: Angela Wu, NRR/DMLR/MRPB  
301-415-2995

On October 1, 2019, the NRC staff and Dominion held a follow-up clarification call on RAI B2.1.27-2b, where the NRC staff provided clarification of the additional needs related to the technical subject.

On October 2, 2019, the NRC staff transmitted additional draft information requests associated with RAI B2.1.27-2b to Dominion (ADAMS Accession No. ML19283B625).

On October 3, 2019, the NRC staff and Dominion held another follow-up clarification call on RAI B2.1.27-2b and the additional draft requests transmitted on October 2, 2019. During this call, Dominion committed to respond to RAI B2.1.27-2b and the additional requests related to RAI B2.1.27-2b in their annual update, expected October 15, 2019.

Docket Nos: 50-280 and 50-281

Enclosure:

Surry SLRA – Draft 3<sup>rd</sup> Round RAIs – Index

SUBJECT: SURRY POWER STATION, UNITS 1 AND 2, SUBSEQUENT LICENSE  
RENEWAL APPLICATION SAFETY REVIEW – DOCUMENTATION OF DRAFT  
THIRD ROUND REQUESTS FOR ADDITIONAL INFORMATION DATED  
October 10, 2019.

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**ADAMS Accession Nos. Package: ML19283B620**

**Memo: ML19283B622**

**Cooling Water: ML19283B623**

**Questions: ML19283B625**

**Buried Piping: ML19283B627**

**Selective Leaching: ML19283B628**

**\*via e-mail**

OFFICE	PM:MRPB:DMLR	LA:MRPB:DMLR	BC:MRPB:DMLR*	PM:MRPB:DMLR
NAME	AWu	YEdmonds(ltr only)	EOesterle	AWu
DATE	10/9/2019	10/9/2019	10/9/2019	10/10/2019

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Surry SLRA - Draft 3rd Round RAIs - Index

Item No	TRP	RAI Number	Issue	Branch	Reviewer	Date - Draft RAI Sent To Applicant	Date - Clarification Call	Clarification Call Attendees - Applicant	Clarification Call Attendees - NRC	Status
1	33	B2.1.21-1a	Selective Leaching	MCCB	Gardner/Allik	09/19/2019	09/24/2019	Paul Aitken Eric Blocher Pat Nelson Craig Heah Mark Pellegrino Pratt Cherry Ron Burner Bret Rickert Ed Turko Troy Scarborough Jim Stauffer Candee Lovett	Bill Rogers Meena Khanna William Holston Tony Gardner Eric Oesterle Allen Hiser Joseph Colaccino Steven Bloom Brian Allik James Gavula Angela Wu	Dominion to provide clarification in annual update, expected October 15, 2019.
2	20	B2.1.11-3	Open Cycle Cooling Water	MCCB	Gavula	09/20/2019	09/24/2019	Paul Aitken Eric Blocher Pat Nelson Craig Heah Mark Pellegrino Pratt Cherry Ron Burner Bret Rickert Ed Turko Troy Scarborough Jim Stauffer Candee Lovett	Bill Rogers Meena Khanna William Holston Tony Gardner Eric Oesterle Allen Hiser Joseph Colaccino Steven Bloom Brian Allik James Gavula Angela Wu	Dominion to provide clarification in annual update, expected October 15, 2019.
3	14	B2.1.27-1b	Buried and Underground Piping and Tanks	MCCB	Allik/Holston	09/18/2019	09/24/2019	Paul Aitken Eric Blocher Pat Nelson Craig Heah, Mark Pellegrino Pratt Cherry Ron Burner Bret Rickert Ed Turko	Bill Rogers Meena Khanna William Holston Tony Gardner Eric Oesterle Allen Hiser Joseph Colaccino Steven Bloom Brian Allik James Gavula Angela Wu	Dominion to provide clarification in annual update, expected October 15, 2019.

Enclosure

Surry SLRA - Draft 3rd Round RAIs - Index

Item No	TRP	RAI Number	Issue	Branch	Reviewer	Date - Draft RAI Sent To Applicant	Date - Clarification Call	Clarification Call Attendees - Applicant	Clarification Call Attendees - NRC	Status
								Troy Scarborough Jim Stauffer Candee Lovett		
4	14	B2.1.27-2b	Buried and Underground Piping and Tanks	MCCB	Allik/Holston	09/18/2019	09/24/2019	Paul Aitken Eric Blocher Pat Nelson Craig Heah Mark Pellegrino Pratt Cherry Ron Burner Bret Rickert Ed Turko Troy Scarborough Jim Stauffer Candee Lovett	Bill Rogers Meena Khanna William Holston Tony Gardner Eric Oesterle Allen Hiser Joseph Colaccino Steven Bloom Brian Allik James Gavula Angela Wu	Dominion to provide clarification in annual update, expected October 15, 2019.
							10/01/2019	Paul Aitken Eric Blocher Craig Heah Ron Burner James Johnson Dan Madden	Bill Rogers Eric Oesterle Allen Hiser William Holston Angela Wu Dan Hoang Sam Cuadrado Joseph Colaccino Angela Buford Juan Lopez James Gavula Brian Allik Lauren Gibson	Dominion to provide clarification in annual update, expected October 15, 2019.
							10/02/2019	Paul Aitken, James Johnson, Dan Madden, Pat Nelson, Ron Burner, Pratt Cherry	Brian Allik, James Gavula, Steven Bloom, Joseph Colaccino, Sam Cuadrado, Dan Hoang,	Dominion to provide clarification in annual update, expected October 15, 2019.

Surry SLRA - Draft 3rd Round RAIs - Index										
Item No	TRP	RAI Number	Issue	Branch	Reviewer	Date - Draft RAI Sent To Applicant	Date - Clarification Call	Clarification Call Attendees - Applicant	Clarification Call Attendees - NRC	Status
									Allen Hiser, Eric Oesterle, William Holston, Brian Wittick, Lauren Gibson	