

**From:** Miller, Ed  
**Sent:** Tuesday, July 13, 2021 12:13 PM  
**To:** Erica.N.Combs@dominionenergy.com  
**Subject:** Draft RAI Appendix E to Topical Report DOM-NAF-2  
**Attachments:** VIPRE Code Appendix E Draft RAI.docx

Erica,

Attached is the NRC staff's draft RAI for the subject request. The questions are being transmitted to you to determine 1) If the question clearly conveys the NRC information needs, 2) Whether the regulatory basis for the question is clear, and 3) If the information has already been provided in existing docketed correspondence. Additionally, review of the draft question will allow you to determine whether you are able to support a 30 day response time. Thank you.

Ed Miller  
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**Hearing Identifier:** NRR\_DRMA  
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**Mail Envelope Properties** (SA1PR09MB7487C5253AE0713B1EF49780E9149)

**Subject:** Draft RAI Appendix E to Topical Report DOM-NAF-2  
**Sent Date:** 7/13/2021 12:12:51 PM  
**Received Date:** 7/13/2021 12:12:00 PM  
**From:** Miller, Ed

**Created By:** Ed.Miller@nrc.gov

**Recipients:**  
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Tracking Status: None

**Post Office:** SA1PR09MB7487.namprd09.prod.outlook.com

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	525	7/13/2021 12:12:00 PM
VIPRE Code Appendix E Draft RAI.docx		28883

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

## **Draft RAI for review of Appendix E to Topical Report DOM-NAF-2 VIPRE-D Code**

By letter dated February 11, 2021, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21042B321), Dominion Energy requested U.S. Nuclear Regulatory Commission (NRC) approval of an Appendix E of fleet report DOM-NAF-2, Qualification of the Framatome BWU-I CHF Correlation in the Dominion Energy VIPRE-D Computer Code.”

The NRC staff has determined that the additional information is needed to complete its review.

1. Please confirm that Dominion will use a process to generate the predicted CHF value that is consistent with the process used when determining the predicted CHF value of the validation data.
2. Please identify which fuel types have been validated using the BWU-I CHF model. For application to previously unanalyzed fuel types, such as AFA fuel, please demonstrate that the number of data points used for validation of that fuel type is sufficient for ensuring the accuracy of the DNBR limit.
3. How will the BWU-I CHF model be restricted to its application domain when used in VIPRE-D?