

## PMLevyCOLPEm Resource

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**From:** Habib, Donald  
**Sent:** Wednesday, January 20, 2016 1:18 PM  
**To:** Bob Kitchen (Robert.Kitchen@duke-energy.com)  
**Cc:** Pohida, Marie; Patterson, Malcolm  
**Subject:** Question on Flux Doubling Logic Departure

Bob –

Below is a question from the staff regarding the Flux Doubling Logic departure that we would like to discuss at a public teleconference.

Don Habib  
Levy COL Review, Lead Project Manager  
NRO/DNRL, Licensing Branch 4  
301-415-1035

10CFR 52.79(d)(1) says “. . . the plant-specific PRA information . . . must be updated to account for site-specific design information and any design changes or departures.” The P-8 permissive is a new function and a departure from the certified design. It prevents a boron dilution event if the flux doubling logic is blocked below the P-8 setpoint.

The staff understands that this new function is not required to mitigate any design basis event. However, the function must be evaluated for risk significance and appropriate treatment (e.g., RTNSS). It may affect the plant-specific PRA and may need to be added to the applicant’s reliability assurance program.

Describe the risk significance of this new function and document any changes to risk insights that may be appropriate. Explain whether the function needs to be addressed under RTNSS or included in the reliability assurance program.

**Hearing Identifier:** Levy\_County\_COL\_Public  
**Email Number:** 1313

**Mail Envelope Properties** (d4ca3e6f5f3f4733b454d865ab4b46cb)

**Subject:** Question on Flux Doubling Logic Departure  
**Sent Date:** 1/20/2016 1:17:35 PM  
**Received Date:** 1/20/2016 1:17:35 PM  
**From:** Habib, Donald

**Created By:** Donald.Habib@nrc.gov

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Tracking Status: None

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Tracking Status: None

"Bob Kitchen (Robert.Kitchen@duke-energy.com)" <Robert.Kitchen@duke-energy.com>

Tracking Status: None

**Post Office:** HQPWMSMRS06.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1188	1/20/2016 1:17:35 PM

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**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**