

PMLevyCOLPEm Resource

From: Habib, Donald
Sent: Thursday, May 26, 2016 3:48 PM
To: PMLevyCOLPEm Resource
Subject: FW: Duke Energy Comments on Levy FSER Sections 21.3 and 21.5

From: Waters, David B [mailto:David.Waters2@duke-energy.com]
Sent: Wednesday, May 25, 2016 7:03 AM
To: Habib, Donald <Donald.Habib@nrc.gov>
Cc: Kitchen, Robert H <Robert.Kitchen@duke-energy.com>; Waters, David B <David.Waters2@duke-energy.com>
Subject: [External_Sender] Duke Energy Comments on Levy FSER Sections 21.3 and 21.5

Don

Additional comments from our review of Sections 21.3 and 21.5 are provided for your consideration and resolution as NRC determines is necessary.

Section 21.3 – MCR heat Load

1. Page 21-58 & 59, section 21.3.4, A.1: This and some subsequent paragraphs appear to have been written to include the dose issue. The dose related words have not led to incorrect conclusions, but they were not part of the 21.3 changes.
2. Page 21-68, first paragraph: The first sentence talks about the change to 110F. Then the second sentence says "This change results in different acceptance criteria ...and human performance after 72 hours." Human performance is now based on WBGT, so the human performance mention here should be deleted.
3. Page 21-72, second paragraph: The 5th sentence cites 115F but this was later changed to 110F by letter NPD-NRC-2015-049. This does not impact the conclusion but might cause confusion later. I suggest adding a footnote with a brief explanation (same as Footnote 7 on page 21-71).
4. Page 21-77, Section B.5, 5th paragraph: The last sentence says "...require manual operators" but should say "... require automatic operators"

Section 21.5 – Flux Doubling

Page 21-100, 21.5.1 Introduction, 3rd paragraph, delete 5th statement, this is not valid. *"Boron dilution cannot lead to inadvertent criticality above a certain temperature, a plant condition that permits bypassing the block."*

If you wish to discuss these comments, please call at the number below.

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