PMLevyCOLPEm Resource

From: Anderson, Brian
Sent: Tuesday, March 09, 2010 12:55 PM
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Cc: PMLevyCOLPEm Resource
Subject: DRAFT RAI - SRP section 2.3.1 - Levy County Units 1 and 2 Combined License Application
Attachments: LNP Draft RAI 4425 - 2.3.1.doc

Importance: High

Attached is a draft RAI related to SRP section 2.3.1 for the Levy County Units 1 and 2 Combined License Application. Please let me know if you would like to schedule a conference call to discuss this RAI.

Thank you,
Brian

Brian Anderson
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Hearing Identifier: Levy_County_COL_Public
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Request for Additional Information No. 4425
Levy County, Units 1 and 2
Progress Energy Florida, Inc.
Docket No. 52-029 and 52-030
SRP Section: 02.03.01 - Regional Climatology
Application Section: Regional Climatology

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.03.01-***

10 CFR 52.79(a)(1)(iii) states, in part, that the COL application must contain the meteorological characteristics of the proposed site with appropriate consideration of the most severe of the natural phenomena that have been historically reported for the site and surrounding area and with sufficient margin for the limited accuracy, quantity, and time in which the historical data have been accumulated.

The AP1000 DCD, Revision 17, Table 2-1, footnote (a), states that the maximum and minimum safety values are based on historical data and exclude peaks of less than 2 hours duration. Progress Energy has presented a 100-year return period, 2-hour duration, non-coincident wet-bulb, site characteristic temperature of 85.5 °F. This value is within the bounds of the AP1000 site parameter value of 86.1 °F.

The NRC staff has performed an independent analysis of the non-coincident wet-bulb site characteristic value and has found a 100-year return period, 2-hour duration, non-coincident wet-bulb temperature value that is higher than the site parameter value. Please provide a discussion and justification of the methods used to calculate the 100-year return period, 2-hour duration non-coincident wet-bulb temperature site-characteristic value.

DRAFT