

ClinchRiverESPHFNPEm Resource

From: Sutton, Mallecia
Sent: Tuesday, February 13, 2018 4:31 PM
To: Schiele, Raymond Joseph
Subject: Clinch River: Met Question on Vector WD and Scalar WS

Ray,

Please confirm TVA's commitments in SSAR Tables 1.9-1 and 1.9-2 to conform to RG 1.23 (and by extension Section 5.3.1 of ANSI/ANS 3.11-2005) and the referenced sections under SRP Section 2.3.

Background:

Site Safety Analysis Report (SSAR) Table 1.9-1 (Sheet 1 of 9) states that SSAR Sections 2.3.1 through 2.3.5 conform to Regulatory Guide (RG) 1.23 (Meteorological Monitoring Programs for Nuclear Power Plants). Further, SSAR Table 1.9-2 (Sheet 1 of 6) states that the application also conforms to corresponding Standard Review Plan (SRP) Sections 2.3.1 through 2.3.5.

SRP Section 2.3.3, Onsite Meteorological Measurements Program, Acceptance Criterion 1 (last paragraph) under Subsection II (Acceptance Criteria) states that "[g]uidance on a suitable onsite meteorological monitoring program to provide the required meteorological data is presented in Regulatory Guide [RG] 1.23."

RG 1.23, Section B (Discussion), Paragraph 5, specifically references American National Standards Institute / American Nuclear Society (ANSI/ANS) 3.11-2005 (Determining Meteorological Information at Nuclear Facilities) with respect to best practices for onsite meteorological measurements programs at commercial nuclear power plants.

Section 5.3.1 of ANSI/ANS-3.11-2005 states that the transport wind direction for straight-line Gaussian models should be based on the scalar mean (or unit vector) wind direction.

Thanks
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