PMVictoriaESPPEm Resource

From: Govan, Tekia
Sent: Wednesday, April 06, 2011 12:04 PM
To: 'david.distel@exeloncorp.com'
Cc: VictoriaESP Resource
Subject: Draft RAIs Sections 2.3 and 2.4
Attachments: RAI 5626.doc; RAI 5362.doc; RAI 5363.doc

David:

Please find attached the draft RAIs for the VCS ESP review related to sections 2.3 and 2.4. Please review the questions and let me know by Monday April 11th if you need to have a clarification call before these RAI are issued formally. These will be a part of RAI letter number 8.

Thanks
Tekia

Tekia V. Govan, Project Manager
U.S. Nuclear Regulatory Commission
Office of New Reactors
MS T-6-D48
Washington DC 20555-0001
301-415-6197
Tekia.Govan@nrc.gov

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"'david.distel@exeloncorp.com'" <david.distel@exeloncorp.com>
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RAI 5363.doc	30202	

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Request for Additional Information No. 5626 Revision 0

Victoria County Station ESP
Exelon Texas
Docket No. 52-042
SRP Section: 02.03.02 - Local Meteorology
Application Section: Local Meteorology

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.03.02-***

10 CFR 100.20(c) states, in part, that the staff will take the meteorological characteristics of the site into consideration in determining the acceptability of a site for a stationary power reactor. 10 CFR 100.21(c) further states that site atmospheric dispersion characteristics must be evaluated and dispersion site characteristics so that radiological effluent release limits associated with normal operation and radiological dose consequences of postulated accidents meet regulatory criteria. RG 1.23, Revision 1 provides guidance on how the atmospheric stability classes should be determined. Stability class is an important parameter in evaluating atmospheric dispersion site characteristics.

Using the July 1, 2007 through June 30, 2009 onsite hourly meteorological dataset, the staff calculated the percentage of time local conditions conformed to each of the 7 Pasquill stability classes specified in RG 1.23. The staff found large differences between these calculated percentages and the percentages reported in VCS ESP SSAR Tables 2.3.2-4 and 2.3.2-5, for stability classes A, B, and C.

Please provide a detailed description of how the stability classes presented in the SSAR were determined.

Request for Additional Information No. 5362 Revision 0

Victoria County Station ESP
Exelon Texas
Docket No. 52-042
SRP Section: 02.04.01 - Hydrologic Description
Application Section: 2.4.1

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.01-***

In accordance with 10 CFR 100.20(c) and 10 CFR 52.79(a)(1)(iii), the NRC staff requests that the applicant provide additional mapping and modeling used to determine the hydrologic characteristics of the site. The staff specifically requests the following information:

1. Electronic copy of topography map of the site.
2. Electronic copy of the topography map of the Guadalupe River watershed.
3. Digital elevation of the site and surrounding area including watershed.
4. Precipitation data from the VCS station, Victoria Regional Airport, Corpus Christi and Galveston stations.

Request for Additional Information No. 5363 Revision 0

Victoria County Station ESP
Exelon Texas
Docket No. 52-042
SRP Section: 02.04.03 - Probable Maximum Flood (PMF) on Streams and Rivers
Application Section: 2.4.3

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.03-***

In accordance with 100.20(c) and 52.79(a)(1)(iii), the NRC staff request the applicant provide clarification and details regarding the hydraulic routing of the PMF flood, in particular, regarding the sequencing of the antecedent and maximum events and related initial and boundary conditions boundary.

02.04.03-***

In accordance with 100.20(c) and 52.79(a)(1)(iii), the NRC staff request the applicant provide the adopted elevation-capacity curve for the Coleto Creek Dam reservoir.