From: "Moorer, Tom C." <TCMOORER@southernco.com>
To: "Mark Notich" <mdn@nrc.gov>
Date: 6/1/2007 11:19:15 AM
Subject: RE: Severe Accident Issues for Vogtle ESP EIS

Thanks.

TCM

-----Original Message-----
From: Mark Notich [mailto:mdn@nrc.gov]
Sent: Friday, June 01, 2007 9:49 AM
To: Moorer, Tom C.
Subject: Severe Accident Issues for Vogtle ESP EIS

Tom:

Below is a compilation of Van Ramsdell's concerns regarding the severe accident and MACCS-2 code information provided by SNC to the staf on April 11, 2007. I condensed these topics from several e-mails that Van sent to me over the last several weeks.

MACCS-2 code missing data points
The output file is missing 2 things that are important. The first thing is the early fatality distance, and the other and by far most important thing is all of the Average Individual Risk output.

Basis for Escalation
In the 1st paragraph on page 7.3-4 of the Vogtle ER, Southern includes the following sentence: "For this project, the base-case core damage frequency, dose-risk, and cost-risk were escalated in this analysis to account for not only internal events but also external events, both at power and at shutdown." Please ask Southern to elaborate on "...were escalated in this analysis to account for not only internal events but also external events..." How was the escalation done, and how much were the base-case core damage frequency, dose-risk, and cost-risk escalated to account for external events? What is the technical basis for the escalation?

Error is Table 7.2-1
I believe that there is an order of magnitude error in the early fatality risk for the intermediate containment failure accident class and consequently and error in the total in ER Table 7.2-1.

Mismatched Input/Output Files

The input and output files do not match for the MACCS-2 code information that was received April 11, 2007.

COMEDA
It appears as if the Comeda portion of the computer code was not turned on and run.

If you have any questions, please let me know.

Mark

Hearing Identifier: Vogtle_Public
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Subject: RE: Severe Accident Issues for Vogtle ESP EIS
Creation Date: 6/1/2007 11:19:15 AM
From: "Moorer, Tom C." <TCMOORER@southernco.com>

Created By: TCMOORER@southernco.com

Recipients
"Mark Notich" <mdn@nrc.gov>

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