

From: "Ramsdell, James V Jr (Van)" <van.ramsdell@pnl.gov>
To: "Mark Notich" <mdn@nrc.gov>
Date: 6/13/2007 1:30:56 PM
Subject: FW: Vogtle file differences

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> _____
> From: Strenge, Dennis L
> Sent: Wednesday, June 13, 2007 8:55 AM
> To: Ramsdell, James V Jr (Van)
> Subject: Vogtle file differences
>
> Van,
>
> I have reviewed the differences between the input files supplied by
> the applicant and the output file provided by the applicant. A
> summary of the differences is attached.
>
> Dennis
>
> <<Comparison of input files.doc>>

Hearing Identifier: Vogtle_Public
Email Number: 439

Mail Envelope Properties (468E0C06.HQGWDO01.TWGWPO04.200.2000008.1.B20BF.1)

Subject: FW: Vogtle file differences
Creation Date: 6/13/2007 1:30:56 PM
From: "Ramsdell, James V Jr (Van)" <van.ramsdell@pnl.gov>

Created By: van.ramsdell@pnl.gov

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

Post Office
TWGWPO04.HQGWDO01

Route
nrc.gov

Files	Size	Date & Time
MESSAGE	451	6/13/2007 1:30:56 PM
TEXT.htm	1417	7/6/2007 9:31:50 AM
Comparison of input files.doc	26112	7/6/2007 9:31:50 AM
Mime.822	40162	7/6/2007 9:31:50 AM

Options
Priority: Standard
Reply Requested: No
Return Notification: None
None

Concealed Subject: No
Security: Standard

From: Strenge, Dennis L
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Van,

I have reviewed the differences between the input files supplied by the applicant and the output file provided by the applicant. A summary of the differences is attached.

Dennis

<<Comparison of input files.doc>>

The output provided by the applicant was compared with output generated using the input files provided by the applicant. The following differences were found.

Atmospheric file (Vatmos.inp) has some differences:

- 1) The initial sigma z values are 33 meters in VOUT.TXT and 30.5 meters in Vatmos.inp.
- 2) The release height of each plume is 30 meters in VOUT.TXT and 0.0 meters in Vatmos.inp.

Early file (Vearly.inp) has some differences:

- 1) Title for VOUT.TXT is “SNC AP1000 EARLY FILE 0.90% Evacuation” Title in Vearly.inp is “SNC AP1000 EARLY FILE 0.95% Evacuation”, although data for both evacuation schemes show 95% evacuation.
- 2) Duration of the emergency phase is one day (86,400 sec) in the VOUT.TXT file but one week (604,800 sec) in the Vearly.inp file.
- 3) Hot spot relocation time is one day in the VOUT.TXT file but ½ day in the Vearly.inp file.
- 4) The Hot spot dose criterion threshold is 10 Sv in the VOUT.TXT file and 0.5 Sv in the Vearly.inp.file.
- 5) The Normal Relocation dose criterion threshold is 10 Sv in the VOUT.TXT file and 0.25 Sv in the Vearly.inp.file.

Chronic File (Vchronc.inp) has one difference:

- 1) The Non-Farm Wealth, Property and Improvements economic value parameter CHVALWNF001 is 107,602 \$/person in the VOUT.TXT file and 139,201 \$/person in the Vchronc.inp file.

The changes likely reflect an attempt to make the input parameters site specific. However, the change in the Hotspot and Normal Relocation dose criteria is puzzling as 10 Sv (1000 rem) is usually considered a fatal dose.