

## Unknown

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**From:** Stoetzel, Gregory A  
**Sent:** Monday, June 21, 2004 10:15 AM  
**To:** Ramsdell, James V Jr (Van)  
**Subject:** RE: North Anna Accidents

Van -

Here are several comments - sorry it took so long, last week was a busy week, this week looks the same.

- 4th paragraph under "Radioactive Materials" - This paragraph discusses physiological effects of whole body exposures. What is the source of this information? Is it the HPS 2001 reference?
- What is the HPS 2001 reference?
- Table DBA-2 - define the regulatory reference for the "limit" column
- "Severe Accidents" section - 1st paragraph states that this analysis relies heavily on "exposure index" to estimate site-specific consequences of severe accidents. I think we should define what is meant by "exposure index."
- Table SA-1 and Table SA-2 - Need to describe what is meant by the various environmental risk column headings (i.e., early fatalities, late fatalities, cost, and affected land).
- "Severe Accidents" section, 2nd from last paragraph - In the following statement should we try to quantify the *significantly larger* - "The probability of occurrence of a basement melt-through assumed in this analysis is significantly (~two orders of magnitude) larger than total core damage frequency postulated for either the ABWR or the AP1000."

Thanks,

Greg

-----Original Message-----

**From:** Ramsdell, James V Jr (Van)  
**Sent:** Tuesday, June 15, 2004 2:26 PM  
**To:** Hickey, Eva E; Stoetzel, Gregory A; Strenge, Dennis L  
**Subject:** North Anna Accidents

All

Here is an initial writeup on design basis and severe accidents for North Anna (minus the references). Please take a look at it and let me know if I missed essential material, or strayed too far from the truth. After I receive your comments, I'll send it to NRC for initial comments.

Van

<< File: 4.1.2.8\_northanna\_jvr .wpd >>

- Additional file - inserts for Section 4 3 7.msg
- Another question on GASPAR.msg
- Assessment of Technical Basis for ESP Spent Fuel Transporta.msg
- Computer Code Request.msg
- Files for Section 3 4 of North Anna EIS.msg
- Fresh Fuel Shipments.msg
- FW Another question on GASPAR.msg
- FW Gaspar Code.msg
- Gaspar Code.msg
- GASPAR input file for North Anna.msg
- GASPAR Population Dose Calculations.msg
- North Anna ESP Acceptance Review.msg
- North Anna GASPAR Analysis.msg
- North Anna sections.msg
- NRCDOSE Update.msg
- Question on NRCDOSE 2 3 2.msg
- RE Adequacy of RAI Responses.msg
- RE Another question on GASPAR.msg
- RE Comments to NRC.msg
- RE Fresh Fuel Shipments.msg
- RE NA Other Radionuclides.msg
- RE North Anna Accidents.msg

- RE North Anna GASPAR Analysis.msg
- RE North Anna Schedule and Info.msg
- RE Question on NRCDOSE 2 3 2.msg
- RE RADTRAN Case Matrix.msg
- RE Radtran Runs for North Anna men

**RE: North Anna Accidents Properties**

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 **RE: North Anna Accidents**

Type: Standard message form

Location: D:\NRC\North Anna Professional-Disk2\North

Size:

Sent: 06/21/2004 10:15:00 AM

Received: 06/21/2004 10:15:00 AM

Last changed: 09/09/2004 11:45:02 AM

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