

March 14, 2003

Douglas E. Gaynor  
Entergy Nuclear Northeast  
One Park Place  
Peekskill, NY 10566

Dear Mr. Gaynor:

Per your request, enclosed is a compact disk containing the Level 1, Revision 3 Standardized Plant Analysis Risk (SPAR) model for Indian Point 2 and the SAPHIRE 6.75 suite of probabilistic risk assessment (PRA) computer codes. Also enclosed is a copy of the user's manual for the Indian Point 2 SPAR model. The SAPHIRE code suite is required to perform analyses with the Revision 2 SPAR model. Both of these software packages are in the form of executable files that can be run directly from the compact disk. These items are for your organization's use only and are not to be distributed further without the consent of the NRC. Also please note that the information contained in the SPAR model is considered sensitive and should be treated accordingly.

The Revision 3 SPAR model for Indian Point 2 has been reviewed with your PRA staff. Subsequent to this review, the SPAR model was revised to address comments and issues identified during the review. However, at that time, your PRA model was undergoing an extensive revision, which limited the extent of benchmarking activities. For this reason, we plan to meet with your PRA staff in April 2003 to complete benchmarking and to discuss any remaining issues regarding the comparison between the SPAR model and the Indian Point 2 PRA.

Questions about the model should be directed to Mr. Robert Buell of the Idaho National Engineering and Environmental Laboratory (INEEL) at (208) 526-9400 (rbuel@inel.gov) . Questions about the SAPHIRE code suite should be directed to Mr. Ted Wood, INEEL, at (208) 526-8729 (stw@inel.gov). Comments and suggestions may also be directed to either of these gentlemen or to Dr. Patrick O'Reilly, NRC project manager for SPAR model development, at (301) 415-7570 (pdo@nrc.gov).

If you are interested in receiving on-going technical support for SAPHIRE, you are invited to join the SAPHIRE Users' Group. Mr. John Schroeder, INEEL, at (208) 526-8755 (roe@inel.gov) can provide more details about the group and the services offered.

Due to the potential sensitivity of the information contained in the Enclosures, they are not publicly available.

Sincerely,

/RA/

Scott F. Newberry, Director  
Division of Risk Analysis and Applications  
Office of Nuclear Regulatory Research

Enclosures: As stated

cc: P. Milano, NRR/PDI-1

D. Gaynor

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