

December 15, 2004

Mr. Alex Knoll
Exelon Nuclear
Peach Bottom Atomic Power Station
1848 Lay Road - SMB3-6
Delta, PA 17314

Dear Mr. Knoll:

Per your request, enclosed is a compact disk containing the Large Early Release Frequency (LERF) Standardized Plant Analysis Risk (SPAR) model for Peach Bottom 2 & 3 with its associated documentation and the SAPHIRE 7.22 suite of PRA codes with its associated documentation. Version 7.22 of the SAPHIRE code suite is required to perform analyses with the LERF SPAR model. The software for the LERF SPAR model and the SAPHIRE code suite is located in two separate file folders labeled, "LERF SPAR Model," and "SAPHIRE 7," respectively. The software package for the LERF SPAR model is in the form of a compressed (.zip) file from which you can extract the files comprising the model and its documentation to a separate file folder. The SAPHIRE software consists of an executable file 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 U.S. Nuclear Regulatory Commission (NRC).

These software packages are provided to facilitate this onsite QA review of the LERF SPAR model for Peach Bottom 2 & 3 with your PRA staff and the benchmarking of this model against your Level 2/LERF PRA, which will be scheduled later this year at your convenience. Until this review has been completed and this LERF SPAR model revised to address the comments generated during the review, the model is considered interim, and should be used by your staff analysts with appropriate discretion.

Questions about the LERF SPAR model should be directed to Dr. John Lehner, Brookhaven National Laboratory, at (631) 344-3921 (lehner@bnl.gov). Questions about the SAPHIRE code suite should be directed to Mr. Ted Wood, Idaho National Engineering and Environmental Laboratory (INEEL), at (208) 526-8729 (stw@inel.gov). Comments and suggestions may also be directed to either of these gentlemen or to Dr. Eli Goldfeiz, NRC Project Manager for LERF SPAR model development, at (301) 415-5539 (ebg@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.

Please note that the information contained in the SPAR model is considered sensitive and should be treated accordingly. The NRC staff is continuing to review the appropriate classification of these materials within our records management program considering changes in our practices following the events of September 11, 2001. Pending a final determination, the enclosed model and documentation have been marked as sensitive information. Therefore, the staff has not made it publicly available. Please control these materials accordingly. We will inform you if the classification of these materials change as a results of our ongoing assessments.

Sincerely,

/RA/

Charles E. Ader, Director
Division of Risk Analysis and Applications
Office of Nuclear Regulatory Research

Enclosures: As stated

cc: G. Wunder, NRR/LPD1-2 (w/o enclosures)

Please note that the information contained in the SPAR model is considered sensitive and should be treated accordingly. The NRC staff is continuing to review the appropriate classification of these materials within our records management program considering changes in our practices following the events of September 11, 2001. Pending a final determination, the enclosed model and documentation have been marked as sensitive information. Therefore, the staff has not made it publicly available. Please control these materials accordingly. We will inform you if the classification of these materials change as a results of our ongoing assessments.

Sincerely,

/RA/

Charles E. Ader, Director
Division of Risk Analysis and Applications
Office of Nuclear Regulatory Research

Enclosures: As stated

cc: G. Wunder, NRR/LPD1-2 (w/o enclosures)

Distribution w/o enclosures:

OERAB RF	DCoe, NRR
DRAA RF	DRoberts, NRR
JCraig/CPaperiello, RES	WLanning, RGN-I
DMarksberry, RES	WSchmidt, RGN-I (SRA)
CHolden, NRR	CCahill, RGN-I (SRA)
MTschiltz, NRR	BCook, RGN-I (SRA)
MFranovich, NRR	CSmith, SRI
SRichards, NRR	

DOCUMENT NAME: A:\PEACHBOTTOMLERF2&3LTR.WPD

OAR in ADAMS? (Y or N) Y
Publicly Available? (Y or N) Y

ADAMS Accession No.: ML043510322
Date of Release to Public 12/20/04

Template No. RES- 006
Sensitive? N

To receive a copy of this document, indicate in the box "C" = Copy w/encl "E" = Copy w/encl "N" = No copy y

OFFICE	OERAB	E	OERAB	N	OERAB	C	DRAA	C
NAME	EGoldfeiz		CLui		NChokshi		CAder	
DATE	12/13/04		12/15/04		12/15/04		12/15/04	

OFFICIAL RECORD COPY

(RES File Code) RES 2C-3

