

June 25, 2002

Mr. Jim Hawley  
PRA Supervisor  
AEP Nuclear Generation Group  
500 Circle Drive  
Buchanan, MI 49107

Dear Mr. Hawley:

Enclosed is a compact disk containing the Level 1, Revision 3i Standardized Plant Analysis Risk (SPAR) model for D. C. Cook 1 and 2 and the SAPHIRE 6.74 suite of probabilistic risk assessment (PRA) computer codes. Also enclosed is a copy of the user's manual for the Cook 1 and 2 SPAR model. The SAPHIRE code suite is required to perform analyses with the Revision 3i 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.

These software packages are provided to facilitate your participation in our onsite QA review of the SPAR model for D. C. Cook 1 and 2 currently scheduled for July 16-18. At that time, the Revision 3i ("i" denotes "interim") SPAR model for D. C. Cook 1 and 2 will be reviewed with your PRA staff and benchmarked against your PRA model for these units. Until this review and benchmarking have been conducted and the SPAR model revised to reflect the results of the review, the model is considered to be interim, and should be used by your staff analysts with appropriate discretion.

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](mailto:rbuel@inel.gov)) . Questions about the SAPHIRE code suite should be directed to Mr. Ted Wood, INEEL, at (208) 526-8729 ([stw@inel.gov](mailto: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](mailto:pdo@nrc.gov)).

J. Hawley

2

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,

Original Signed by PWB for

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

Enclosures: As stated

cc: J. Stang, NRR/PDIII-1

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,

Original signed by PWB for

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

Enclosures: As stated

cc: J. Stang, NRR/PDIII-1

Distribution:

OERAB RF	PWilson, NRR (SRA)
DRAA RF	CCarpenter, NRR
File Center	DCoe, NRR
Public	LRaghevan, NRR
JStrosnider/AThadani, RES	JGrobe, RGN-III
DMarksberry, RES	SBurgess, RGN-III (SRA)
MJohnson, NRR	BKemker, SRI

DOCUMENT NAME: A:\LICTRANS DCC12.WPD

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

OFFICE	OERAB	E	OERAB	C	DRAA	C
NAME	PO'Reilly		PBaranowsky		SNewberry	
DATE	6/24/02		6/25/02		6/25/02	

**OFFICIAL RECORD COPY**

<b>OAD in ADAMS (Y or N)?</b>	<b>Y</b>	<b>Publicly Available (Y or N)?</b>	<b>Y</b>
-------------------------------	----------	-------------------------------------	----------

Template Number: RES-006 Accession Number: ML021770105 RES Code No: 2C-3

<b>ROUTING AND TRANSMITTAL SLIP</b>	Date 6/21/2002
-------------------------------------	----------------

<b>TO: (Name, office symbol, room #, building, agency/post)</b>	Initials	Date
1. Pat O'Reilly - Concur - <b>Fill in Y or N for OAR in ADAMS and Publicly Available</b>	PO	6/24
2. Pat Baranowsky - Concur	PWB	6/25
3. Scott Newberry - Signature	PWB for	6/25
4. Nancy - Distribute - <b>Fill in Template Number, Accession Number and RES Code Number</b>	NLL	6/26
5.		
6.		
7.		
8.		
9.		

	Action	File		Note and Return
	Approval	For Clearance		Per Conversation
	As Requested	For Correction		Prepare Reply
	Circulate	For Your Information		See Me
	Comment	Investigate	X	Concurrence/Signature
	Coordination	Justify		

**REMARKS**

Letter to Mr. J. Hawley - Per your request, enclosed is a compact disk containing the Level 1, Revision 3i Standardized Plant Analysis Risk (SPAR) model for Cook 1&2 and the SAPHIRE 6.74 suite of probabilistic risk assessment (PRA) computer codes. Also enclosed is a copy of the user's manual for the Cook 1&2 SPAR model.

<b>FROM: (Name, org. symbol, Agency/Post)</b>	Room # - Bldg.
	Phone #