

June 14, 2001

CCN 22924

Mr. John M. Goshen
Nuclear Reactor Regulation
Division of Licensing and Project Management
OWFN MS O-8 G9
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Rockville, MD 20852-2738

TRANSMITTAL OF VERSION 6.71 OF THE SYSTEMS ANALYSIS PROGRAMS FOR
HANDS-ON RELIABILITY EVALUATIONS (SAPHIRE) SOFTWARE AND
PROBABILISTIC RISK ASSESSMENT (PRA) MODEL FOR CRYSTAL RIVER UNIT 1

Dear Mr. Goshen:

At the direction of the U.S. Nuclear Regulatory Commission's (NRC's) Office of Nuclear Regulatory Research (NRR) the Idaho National Engineering and Environmental Laboratory (INEEL) is transmitting the following information on two compact disks (CDs) to you for further transmittal to Florida Power Corporation. Included are (1) a copy of revision 6.71 of the SAPHIRE code; (2) the SAPHIRE PRA fault tree model for Crystal River Unit 1; and (3) a hard copy of the associated database letter report. The SAPHIRE software is for Florida Power Corporation's use only, and is not to be distributed further without the consent of the NRC.

The SAPHIRE Crystal River PRA fault tree model was subjected to internal review by PRA staff of the INEEL. The model reflects the findings of the review. However, as the PRA data used to create the model may now be out of date, the model should be used with caution. Additionally, the model should be used in accordance with any warning statements that may be displayed on opening, and any cautions or directions provided in the related letter report.

Questions regarding the SAPHIRE software or Crystal River Unit 1 model can be directed to the following INEEL staff: Mr. Michael Calley at (208) 526-9230 (mbc2@inel.gov), or Mr. Martin Sattison at (208) 526-9626 (sbm@inel.gov). Comments or suggestions may be directed to these same persons or to Ms. Erasmia Lois (NRC/RES project manager for PRA database model development).

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If Florida Power Corporation is interested in receiving on-going technical support for SAPHIRE, they are invited to join the SAPHIRE Users' Group. Mr. Jim Knudsen, at INEEL (208) 526-8841 (jkk@inel.gov), can provide more details about the group and the services offered.

Sincerely,



Richard D. Fowler
Risk, Reliability, and Regulatory Support

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Enclosures

cc: NRC (w/o Encl)
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E. Lois, MS T10 E50
Public Document Room