

February 21, 1995

Mr. George A. Hunger, Jr.  
Director-Licensing, MC 62A-1  
PECO Energy Company  
Nuclear Group Headquarters  
Correspondence Control Desk  
P.O. Box No. 195  
Wayne, PA 19087-0195

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) RELATED TO WIDE RANGE  
NEUTRON MONITOR INSTALLATION, PEACH BOTTOM ATOMIC POWER STATION,  
UNIT NOS. 2 AND 3 (TAC NOS. M91330 AND M91331)

Dear Mr. Hunger:

By letter dated January 17, 1995, PECO Energy Company submitted License Change Request (LCR) 93-18 requesting changes to Appendix A of the Peach Bottom Atomic Power Station (PBAPS), Unit Nos. 2 and 3, Facility Operating Licenses. The proposed changes were submitted to support PBAPS Modification P00271, which would replace the Source Range and Intermediate Range Neutron Monitors with the new Wide Range Neutron Monitoring System (WRNMS).

The staff has initiated a review of the application and determined that additional information is needed to complete the review. The staff's RAI is included as an enclosure.

You are requested to reply to this RAI in a timely manner, consistent with the review schedule requested in your January 17, 1995 application.

This requirement affects 9 or fewer respondents and, therefore, is not subject to Office of Management and Budget review under P.L. 96-511.

If you have any questions on the WRNMS review, please do not hesitate to contact me at (301) 415-1428.

Sincerely,  
/S/

Joseph W. Shea, Project Manager  
Project Directorate I-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-277/50-278

Enclosure: Request for Additional Information

cc w/encl: See next page

DISTRIBUTION

Docket File	JZwolinski	OGC	EKendrick, SRXB
PUBLIC	JStolz	ACRS(4)	
PDI-2 Reading	JShea	CAnderson, RGN-I	
SVarga	MO'Brien	KMortensen, HICB	

OFFICE	PDI-2/LA	PDI-2/PM	PDI-2/PD		
NAME	MO'Brien	JShea	JStolz		
DATE	2/21/95	2/21/95	2/21/95		

OFFICIAL RECORD COPY

DOCUMENT NAME: G:\SHEA\PEACH\PBWRNMS.RAI

9502270083 950221  
PDR ADOCK 05000277  
P PDR

NRC FILE CENTER COPY



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

February 21, 1995

Mr. George A. Hunger, Jr.  
Director-Licensing, MC 62A-1  
PECO Energy Company  
Nuclear Group Headquarters  
Correspondence Control Desk  
P.O. Box No. 195  
Wayne, PA 19087-0195

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) RELATED TO WIDE RANGE  
NEUTRON MONITOR INSTALLATION, PEACH BOTTOM ATOMIC POWER STATION,  
UNIT NOS. 2 AND 3 (TAC NOS. M91330 AND M91331)

Dear Mr. Hunger:

By letter dated January 17, 1995, PECO Energy Company submitted License Change Request (LCR) 93-18 requesting changes to Appendix A of the Peach Bottom Atomic Power Station (PBAPS), Unit Nos. 2 and 3, Facility Operating Licenses. The proposed changes were submitted to support PBAPS Modification P00271, which would replace the Source Range and Intermediate Range Neutron Monitors with the new Wide Range Neutron Monitoring System (WRNMS).

The staff has initiated a review of the application and determined that additional information is needed to complete the review. The staff's RAI is included as an enclosure.

You are requested to reply to this RAI in a timely manner, consistent with the review schedule requested in your January 17, 1995 application.

This requirement affects 9 or fewer respondents and, therefore, is not subject to Office of Management and Budget review under P.L. 96-511.

If you have any questions on the WRNMS review, please do not hesitate to contact me at (301) 415-1428.

Sincerely,

A handwritten signature in dark ink, appearing to read "J. W. Shea", written over the typed name.

Joseph W. Shea, Project Manager  
Project Directorate I-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-277/50-278

Enclosure: Request for Additional Information

cc w/encl: See next page

Mr. George A. Hunger, Jr.  
PECO Energy Company

Peach Bottom Atomic Power Station,  
Units 2 and 3

cc:

J. W. Durham, Sr., Esquire  
Sr. V.P. & General Counsel  
PECO Energy Company  
2301 Market Street, S26-1  
Philadelphia, Pennsylvania 19101

PECO Energy Company  
ATTN: Mr. G. R. Rainey, Vice President  
Peach Bottom Atomic Power Station  
Route 1, Box 208  
Delta, Pennsylvania 17314

PECO Energy Company  
ATTN: Regulatory Engineer, A4-5S  
Peach Bottom Atomic Power Station  
Route 1, Box 208  
Delta, Pennsylvania 17314

Resident Inspector  
U.S. Nuclear Regulatory Commission  
Peach Bottom Atomic Power Station  
P.O. Box 399  
Delta, Pennsylvania 17314

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, Pennsylvania 19406

Mr. Roland Fletcher  
Department of Environment  
201 West Preston Street  
Baltimore, Maryland 21201

A. F. Kirby, III  
External Operations - Nuclear  
Delmarva Power & Light Company  
P.O. Box 231  
Wilmington, DE 19899

Mr. Rich R. Janati, Chief  
Division of Nuclear Safety  
Pennsylvania Department of  
Environmental Resources  
P. O. Box 8469  
Harrisburg, Pennsylvania 17105-8469

Board of Supervisors  
Peach Bottom Township  
R. D. #1  
Delta, Pennsylvania 17314

Public Service Commission of Maryland  
Engineering Division  
Chief Engineer  
6 St. Paul Centre  
Baltimore, MD 21202-6806

Mr. Richard McLean  
Power Plant and Environmental  
Review Division  
Department of Natural Resources  
B-3, Tawes State Office Building  
Annapolis, Maryland 21401

Mr. John Doering, Chairman  
Nuclear Review Board  
PECO Energy Company  
965 Chesterbrook Boulevard  
Mail Code 63C-5  
Wayne, Pennsylvania 19087

Dr. Judith Johnsrud  
National Energy Committee  
Sierra Club  
433 Orlando Avenue  
State College, PA 16803

REQUEST FOR ADDITIONAL INFORMATION

PEACH BOTTOM ATOMIC POWER STATION , UNITS 2 AND 3

WIDE RANGE NEUTRON MONITOR SYSTEM (WRNMS)

1. In the Executive Summary of NEDO-32368, "Nuclear Measurement Analysis and Control Wide Range Neutron Monitoring System Licensing Report For Peach Bottom Atomic Power Station, Units 2 & 3," the licensee states, "The PBAPS WRNMS is effectively identical to the NRC generically approved system documented in licensing topical report (LTR) NEDO-31439-A. The minor plant-specific differences between the PBAPS and the generic system are evaluated in this report." List the plant-specific differences and indicate where in LCR 93-18 each difference is discussed.
2. Identify each instance where the implementation at PBAPS involves a choice from the available WRNMS options. Describe the options which are selected and the reason for the choice.
3. Have changes been made to the software or firmware in the PBAPS WRNMS since the staff approval of NEDO 31439-A, "The Nuclear Measurement Analysis and Control Wide Range Neutron Monitoring System (NUMAC-WRNMS)"? Describe the changes and the process under which they were effected.
4. Describe the process the licensee will use for configuration control for the changes in the firmware to assure that the proper revisions of the firmware are installed and continue to be maintained in the PBAPS WRNMS system.
5. In NEDO-32368, Section 3.5 the licensee states, "The WRNMS is not designed to meet Regulatory Guide 1.75 (RG 1.75). Identify where the PBAPS WRNMS does not conform to the guidance of RG 1.75, and the reasons for not conforming.

Enclosure