

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

March 26, 1997

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) RELATED TO PROPOSED
ALTERNATIVE REACTOR PRESSURE VESSEL EXAMINATIONS, PEACH BOTTOM
ATOMIC POWER STATION, UNIT 3 (TAC NO. M97833)

Dear Mr. Hunger:

By letter dated January 30, 1997, PECO Energy Company (PECO) submitted a proposed alternative plan for augmented inspection of the Unit 3 reactor pressure vessel during refueling outage 3R11. PECO requested NRC approval of the alternative plan by May 1, 1997.

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

If you have any questions on this RAI, 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. 50-278

Enclosure: RAI

cc w/encl: See next page

DISTRIBUTION

Docket File
PUBLIC
PDI-2 Reading
SVarga

OGC
JStolz
JShea
MO'Brien

ACRS
WPasciak, RGN-I
PPatnaik

OFFICE	PDI-2/PM	PDI-2/PA	PDI-2/PD		
NAME	JShea	MO'Brien	JStolz		
DATE	3/25/97	3/26/97	3/26/97		

OFFICIAL RECORD COPY

DOCUMENT NAME: G:\SHEA\PEACH\PB97833.RAI

9703280336 970326
PDR ADOCK 05000278
P PDR

11, D901
NRC FILE CENTER COPY



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

March 26, 1997

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 PROPOSED
ALTERNATIVE REACTOR PRESSURE VESSEL EXAMINATIONS, PEACH BOTTOM
ATOMIC POWER STATION, UNIT 3 (TAC NO. M97833)

Dear Mr. Hunger:

By letter dated January 30, 1997, PECO Energy Company (PECO) submitted a proposed alternative plan for augmented inspection of the Unit 3 reactor pressure vessel during refueling outage 3R11. PECO requested NRC approval of the alternative plan by May 1, 1997.

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

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

Sincerely,

A handwritten signature in dark ink, appearing to read "J. Shea", is 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. 50-278

Enclosure: RAI

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, PA 19101

Chief-Division of Nuclear Safety
PA Dept. of
Environmental Resources
P.O. Box 8469
Harrisburg, PA 17105-8469

PECO Energy Company
ATTN: Mr. T. N. Mitchell, Vice President
Peach Bottom Atomic Power Station
1848 Lay Road
Delta, PA 17314

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

PECO Energy Company
ATTN: Regulatory Engineer, A4-5S
Peach Bottom Atomic Power Station
1848 Lay Road
Delta, PA 17314

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

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

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

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

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

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

Manager-Business & Co-owner Affairs
Public Service Electric and Gas
Company
P.O. Box 236
Hancocks Bridge, NJ 08038-0236

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

Manager-Peach Bottom Licensing
PECO Energy Company
Nuclear Group Headquarters
Correspondence Control Desk
P.O. Box No. 195
Wayne, PA 19087-0195

PECO Energy Company
Plant Manager
Peach Bottom Atomic Power Station
1848 Lay Road
Delta, PA 17314

REQUEST FOR ADDITIONAL INFORMATION

PEACH BOTTOM ATOMIC POWER STATION, UNIT 3

REACTOR PRESSURE VESSEL PROPOSED ALTERNATIVE EXAMINATION PLAN

Title 10 of the Code of Federal Regulations, 50.55a(g)(6)(ii)(A)(2) states that all licensees shall augment their reactor vessel examinations by implementing the examination requirements for reactor vessel shell welds specified in Item B1.10 of Examination Category B-A, "Pressure Retaining Welds in Reactor Vessel," in Table IWB-2500-1 of subsection IWB of the 1989 Edition of ASME Code, Section XI. However, PECO Energy Company stated that they were unable to achieve 90 percent volumetric examination coverage for each weld due to limitations of access.

The staff has reviewed the licensee's submittal of the proposed alternatives to the augmented examination of the reactor vessel shell welds and requests the following additional information from the licensee to perform an evaluation:

- Identify each weld in Item B1.10 of Examination Category B-A with estimated volumetric examination coverage to be obtained by an Inner Diameter (ID) examination. Discuss physical constraints inside the vessel, such as, removable internals, permanent attachments to vessel wall that obstruct scanning of the shell welds to obtain the required volumetric examination coverage.
- Provide an estimate of increase in examination coverage of each weld when supplemented by an Outer Diameter examination. Also, discuss physical constraints, if any, that would obstruct manual and/or mechanized scanning of the above welds from the outside surface of the vessel to supplement the ID examination to obtain the required volumetric coverage.
- Provide dimensions of the largest indication (planar and/or linear) in each of the welds accepted during the preservice and the subsequent inservice inspection.

Enclosure