

JCS

FEB 7 1994

Docket Nos. 50-277
50-278

Mr. D. M. Smith
Senior Vice President-Nuclear
PECO Energy
Nuclear Group Headquarters
Correspondence Control Desk
P. O. Box 195
Wayne, Pennsylvania 19087-0195

Dear Mr. Smith:

SUBJECT: COMBINED INSPECTION REPORT NUMBERS 50-277/93-21 AND
50-278/93-21

This letter transmits the NRC Region I inspection report for the announced inspection conducted by Mr. J. Calvert of this office during the period from September 20, 1992, to November 8, 1993, at Peach Bottom Units 2 and 3, Delta, Pennsylvania. Mr. Calvert discussed the findings of this inspection with Mr. D. Miller and other members of your staff at the conclusion of the inspection.

The areas examined during this inspection were the engineering aspects of modifications, with special focus on the digital and software design, including the electromagnetic (EMI) tests. The inspection included review of documents associated with the high pressure coolant injection system for Unit 3, the recirculation control system for Unit 3, and the feedwater control system for Units 2 and 3. The inspection consisted of selected examinations of design, installation, test documents, procedures, interviews with personnel, and observations by the inspector.

The inspector noted a definite strength in the formulation of the "I&C Upgrade Plan" along with the establishment of an informational network that allows current digital upgrade issues and lessons learned to be communicated both to the Peach Bottom and Limerick engineering staff.

The inspector determined that one item is considered unresolved: the 10 CFR 50.59 review process does not adequately address safety-related digital upgrades, including the design equivalent change process for the HPCI digital controller upgrade. The inspector also found several areas involving engineering and quality evaluations for the HPCI digital upgrade modification that your staff plans to complete. These areas are subject to future NRC inspection. Within the scope of this inspection, no violations were identified.

9402220179 940207
PDR ADOCK 05000277
Q PDR

180001

JEO

FEB 7 1994

PECO Energy

2

Your cooperation with us is appreciated.

Sincerely,

Original Signed By:

Michael Mayfield

for Jacques P. Durr, Chief
Engineering Branch
Division of Reactor Safety

Enclosure: Combined NRC Region I Inspection Report Numbers No. 50-277/93-21 and
50-278/93-21

cc w/encl:

J. Doering, Chairman, Nuclear Review Board
G. Rainey, Vice President, Peach Bottom Atomic Power Station
W. H. Smith, Vice President, Nuclear Services Department
G. Cranston, General Manager, Nuclear Engineering Division
C. Schaefer, External Operations - Nuclear, Delmarva Power & Light Co.
G. Edwards, Plant Manager, Peach Bottom Atomic Power Station
A. J. Wasong, Manager, Experience Assessment
G. A. Hunger, Jr., Manager, Licensing Section
J. W. Durham, Sr., Senior Vice President and General Counsel
J. A. Isabella, Director, Generation Projects Department,
Atlantic Electric
B. W. Gorman, Manager, External Affairs
R. McLean, Power Plant Siting, Nuclear Evaluations
D. Poulsen, Secretary of Harford County Council
R. Ochs, Maryland Safe Energy Coalition
J. H. Walter, Chief Engineer, Public Service Commission of Maryland
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
K. Abraham, PAO (2)
NRC Resident Inspector
Commonwealth of Pennsylvania
TMI - Alert (TMIA)

FEB 7 1994

PECO Energy

3

bcc w/encl:
Region I Docket Room (with concurrence)

bcc w/encl: (Via E-Mail)
V. McCree, OEDO
Joseph Shea, NRR
C. Miller, PDI-2, NRR
M. Shannon, ILPB
P. Loeser, NRR
J. Shea, NRR
J. Mauck, NRR
E. J. Lee, NRR

RI:DRS

Calvert

JAC
2/3/94

RI:DRS

Ruland

WR
2/2/94

RI:DRS

Durr

W.D. Durr
2/7/94

OFFICIAL RECORD COPY
A:PB932121.INS