



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

Docket File
277/278

October 19, 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: REVIEW OF PEACH BOTTOM ATOMIC POWER STATION, UNIT NOS. 2 AND 3,
OFFSITE DOSE CALCULATION MANUAL (ODCM) (TAC NOS. M87741 AND M87742)

Dear Mr. Hunger:

Enclosed is a Technical Evaluation Report (TER) for Revision 5 of the Peach Bottom ODCM, "Evaluation of Peach Bottom Atomic Power Station Units 2 and 3 Offsite Dose Calculation Manual, Revision 5," INEL-95/0359, dated July 1995. This TER was prepared for the NRC by the Idaho National Engineering Laboratory (INEL) in partial fulfillment of the NRC's "Review of Radiological Issues" project. The objective of the ODCM review, as documented in the TER, was to evaluate how well the Peach Bottom ODCM conforms with the methodologies and guidance provided in the following NRC documents:

- 1) NUREG-1302, "Offsite Dose Calculation Manual Guidance: Standard Radiological Effluent Controls for Pressurized Water Reactors,"
- 2) NUREG-G-33, "Preparation of RETS for Nuclear Power Plants," and
- 3) Regulatory Guide 1.109, Revision 1, "Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR 50, Appendix I."

The overall evaluation is that Revision 5 of the Peach Bottom ODCM generally uses methods that are consistent with the methodology and guidance of the above NRC documents. However, the Technical Findings section of the TER identifies twenty primary deficiencies in four categories of decreasing importance. These findings range in seriousness from omissions that cause uncertainty about the methodology used in the ODCM to minor deficiencies and editorial comments. The ODCM should be a stand-alone document. It should contain all of the necessary information (equations, definitions, sample calculations, etc.) to permit an NRC inspector to duplicate calculations used by the licensee to demonstrate conformance with the regulations related to radioactive effluents. Therefore, many of the findings suggest that the ODCM should be revised to better explain methodologies used, include calculations performed and define variables used in equations.

As stated above, the enclosed TER is based on Revision 5 of the Peach Bottom ODCM. Since you have issued subsequent revisions to the ODCM, some of the comments and suggestions contained in the attached TER may no longer be applicable. However, the staff suggests that you review the TER comments

9510310352 951019
PDR ADOCK 05000277
P PDR

NRC FILE CENTER COPY

DFD1/1

G. Hunger, Jr.

- 2 -

against the most recent version of the Peach Bottom ODCM and incorporate all suggested changes into the next revision of the ODCM. No response to this letter is required or requested.

If you have any questions regarding the TER, 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. 50-277/278

Enclosure: As stated

cc w/encl: See next page

DISTRIBUTION: * w/enclosure
Docket File* JShea*
PUBLIC* MO'Brien
PDI-2 Reading* OGC
SVarga ACRS
JZwolinski WPasciak, RGN-I
JStolz CMiller

OFFICE	PDI-2/CA	PDI-2/PM	P/TERB/C	PDI-2/PD
NAME	MO'Brien	JShea	CMiller	JStolz
DATE	10/17/95	10/17/95	10/13/95 mkm	10/18/95

OFFICIAL RECORD COPY

FILENAME: G:\SHEA\PEACH\PB87741.LTR

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

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

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

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

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

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

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 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, Maryland 21201

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