

AUG 8 1973

Docket No. 50-277

Philadelphia Electric Company  
ATTN: Mr. Edward G. Bauer, Jr.  
Vice President and General Counsel  
2301 Market Street  
Philadelphia, Pennsylvania 19101

Gentlemen:

Pursuant to an Order of the Atomic Safety and Licensing Board, dated May 11, 1973, the Atomic Energy Commission has issued Facility Operating License DPR-44 to the Philadelphia Electric Company, Public Service Electric and Gas Company, Delmarva Power and Light Company and Atlantic City Electric Company. DPR-44, a copy of which is enclosed, authorizes low power testing and operation of the Peach Bottom Atomic Power Station, Unit 2 at steady state reactor core power levels not exceeding 329 megawatts thermal (10% of rated power) in accordance with the Technical Specifications attached as Appendices "A" and "B" thereto.

A related notice, which has been forwarded to the Office of the Federal Register for filing and publication, is enclosed for your information.

Also enclosed are two copies of an Amendment to Indemnity Agreement No. B-28. Please retain one copy for your records and return one executed copy to this office.

Sincerely,

Original signed by  
Voss A. Moore

Voss A. Moore, Assistant Director  
for Boiling Water Reactors  
Directorate of Licensing

Enclosures:

1. Order, dated May 11, 1973
2. DPR-44 with Technical Specifications
3. Federal Register Notice
4. Indemnity Agreement No. B-28 (2)

cc:

Eugene J. Bradley  
Philadelphia Electric Company  
Assistant General Counsel

See attached for previous concurrences

2301 Market Street Philadelphia, Pennsylvania 19101				OAF J. Saltzman 8/8/73	L: AD: RWF VAMoore 8/8/73
SURNAME ▶					
DATE ▶					

AUG 8 1973

Docket No. 50-277

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Vice President and General Counsel  
2301 Market Street  
Philadelphia, Pennsylvania 19101

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Sincerely,

Voss A. Moore, Assistant Director  
for Boiling Water Reactors  
Directorate of Licensing

Enclosures:

1. Order, dated May 11, 1973
2. DPR-44 with Technical Specifications
3. Federal Register Notice

cc:

Eugene J. Bradley  
Philadelphia Electric Company  
Assistant General Counsel  
2301 Market Street  
Philadelphia, Pennsylvania 19101

OFFICE ▶	L: BWR-1	L: BWR-1	GGC	L: AD: EP	OAI	L: AD: BWR
SURNAME ▶	M. Maigret:ln	W. Butler	L. Scinto	D. Muller	A. Braitman	V. A. Moore
DATE ▶	8/7/73	8/8/73	8/8/73	8/8/73	8/1/73	7/1/73

AUG 8 1973

cc continued:

Frank R. Clokey, Esq.  
Special Assistant Attorney General  
Room 219, Towne House Apartments  
Harrisburg, Pennsylvania 17105

Troy B. Conner, Jr.  
Conner & Knotts  
1747 Pennsylvania Avenue, N.W.  
Washington, D.C. 20006

Mr. R.A. Heiss, Coordinator (w/o enc)  
Pennsylvania State Clearinghouse  
Governors Office of State Planning and  
Development  
P.O. Box 1323  
Harrisburg, Pennsylvania 17120

Mr. Thomas M. Gerusky, Director (w/2 enc)  
Office of Radiological Health  
Department of Environmental Resources  
P.O. Box 2063  
Harrisburg, Pennsylvania 17105

Mr. John Long, Chairman  
Board of Supervisors  
Peach Bottom Township  
R.D. No. 1  
Delata, Pennsylvania 17314

Wilmer P. Bolton, Chairman  
Board of Supervisors  
Drumore Township  
R.D. No. 1  
Holtwood, Pennsylvania 17532

Mr. A.R. Steele, Chairman  
Board of Supervisors  
Fulton Township  
Peach Bottom, Pennsylvania 17563

Mr. Howard E. Chaney, Director  
Environmental Health Administration  
State Department of Health and  
Mental Hygiene  
610 North Howard Street  
Baltimore, Maryland 21202

Mr. Lee E. Zeni, Director  
Power Plant Siting Program  
Department of Natural Resources  
D-2, Tawes State Office Building  
Annapolis, Maryland 21401

Honorable Russel W. Peterson  
Governor of Delaware  
Dover, Delaware 19901

Edward F. Gliwa, MD., Acting Director  
Division of Physical Health  
Dept. of Health and Social Services  
State Health Building  
Dover, Delaware 19901

Mr. James M. Rosbrow, Secretary  
Department of Labor  
618 North Union Street  
Wilmington, Delaware 19805

Mr. David Harwood (w/2 enc)  
Director of Tech. Assessment Div.  
ATTN: TIRB  
Office of Radiation Programs  
Environmental Protection Agency  
Room #E-837  
4th & M Street, S.W.  
Washington, D.C. 20460

Mr. Robert J. Blanco  
Environmental Protection Agency  
6th and Walnut Streets  
Philadelphia, Pennsylvania 19106

Mr. William Holmberg  
Office of Federal Activities  
Environmental Protection Agency  
Room 3632, Waterside Mall  
Washington, D.C. 20460

Colonel William Barnes  
Executive Director of Civil Works  
Office of the Chief of Engineers  
Corps of Engineers  
Department of the Army  
Forrestal Building, Room 4-G060  
10th and Independence  
Washington, D.C. 20314

OFFICE ▶						
SURNAME ▶						
DATE ▶						

AUG 8 1973

cc continued:

Mr. Bruce Blanchard  
Office of Environmental Projects Review  
Department of the Interior  
Room 5321  
18th and C Streets, N.W.  
Washington, D.C. 20240

W. W. Anderson, Esq.  
Deputy Attorney General  
Department of Justice  
Second Floor - Capitol Annex  
Harrisburg, Pennsylvania 17120

John B. Griffith, Esq.  
Warren Reich, Esq.  
Special Assistant Attorney General  
Department of Natural Resources  
State Office Building  
Annapolis, Maryland 21401

The Honorable Francis B. Burch  
Attorney General  
State Law Department  
Attorney General's Office  
One South Calvert Street  
Baltimore, Maryland 21202

Raymond L. Hovis, Esq.  
35 South Duke Street  
York, Pennsylvania 17401

DISTRIBUTION: ←  
Docket 50-277  
AEC/PDR  
L/PDR  
BWR-1 File  
RP Reading (w/o Tech. Specs)

bcc:  
H.J. McAlduff, ORO (w/o Tech. Specs)  
J.R. Buchanan, ORNL  
T.B. Abernathy, DTIE  
A. Rosenthal, ASLAB  
N.H. Goodrich, ASLBP

J. Scinto, OGC  
Reg. Ops. (3)  
N. Duber (w/o Tech. Specs)  
M. Jinks (w/2 enc)  
V. A. Moore  
R. Vollmer  
C. Hebron, F&M  
D. Foster, F&M  
R. Chitwood, F&M  
A. Braitman, A&I (w/o Tech. Specs)  
R. Powell  
M. Maigret  
S. Kari (w/o Tech. Specs)  
W. Miller, DR:OA (w/o Tech. Specs)  
J. Cusack, EP-2  
R. Wade, EP-2  
W. Butler (w/o Tech. Specs)  
J. Stolz (w/o Tech. Specs)  
R. Clark (w/o Tech. Specs)  
R. Ireland (w/o Tech. Specs)  
B. Schraf  
ACRS (16)

OFFICE ▶						
SURNAME ▶						
DATE ▶						

CHECKLIST FOR ISSUANCE OF FACILITY LICENSE

APPLICANT Philadelphia Electric Company DOCKET NO. 50-277  
 FACILITY Peach Bottom Atomic Power Station, Unit 2  
 PROJECT MANAGER Raymond Powell  
 LICENSING ASSISTANT Madelyn J. Maigret

DATE

Notice of Consideration of Issuance of License:  
 Published in FEDERAL REGISTER  
 Action Date

August 15, 1973

OR

May 11, 1973

~~MINIMUM MINIMUM MINIMUM MINIMUM~~ Order

Safety Review:

L Safety Evaluation  
 ACRS Letter

August 11, 1972

September 21, 1972

Environmental Review:

Final Environmental Statement  
 Published in FEDERAL REGISTER

April, 1973

April 13, 1973

Antitrust Review:

OAI Concurrences

August 8, 1973

Notifications Required by Act & Commission Rules\*:

State Official  
 Local Official

August 8, 1973

August 8, 1973

Water Quality Certification:

Submittal by Applicant  
 Transmitted to EPA

August 8, 1972

September 21, 72

License Fee:

Amount: \$156,255 Paid

Certification attached

July 23, 1973

Indemnity Agreement: I. DINI 72

OAI Concurrence

August 8, 1973

Status of Outstanding Construction Items Checked w/RO Attached

August 7, 1973

Regulatory Operations Final Report: (~~XXXXXXXXXXXX~~) Same as  
 Outstanding Items from RO

August 7, 1973

Technical Specifications:

RP Concurrence  
 EP Concurrence

July 24, 1973

July 20, 1973

Public Announcement (to be released):

~~XXXXXXXXXXXX~~  
~~XXXXXXXXXXXX~~

Copy  
 Attached

Issuance Package: OGC Concurrence

1. License
2. FEDERAL REGISTER Notice
3. Letter to Applicant
4. Information Report

August 8, 1973

August 8, 1973

August 8, 1973

August 8, 1973

\* Date Initial Application Forwarded

Revised: MAY 7 1973

# DON'T TELL IT - WRITE IT

TO Madelyn Maigret

DATE July 23, 1973

SUBJECT OPERATING LICENSE FEE FOR PEACH BOTTOM 2 - 50-277

Confirming my telecon earlier today, the operating license fee of \$156,255 has been paid by Philadelphia Electric Co., for the subject facility. According to the Controller's Office, the check was dated June 22, 1973; but received in their office sometime in July 1973.

The above fee covers a proposed operating level of 329 Mwt (10% power).

SIGNED

*Allen S. Cabell*



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

AUG 7 1973

I conclude that  
the license should  
be issued, and that  
these three items  
can be handled  
routinely as indicated.

→ A. Giambusso, Deputy Director for Reactor Projects  
Directorate of Licensing

*Robson*

PHILADELPHIA ELECTRIC COMPANY, PEACH BOTTOM 2  
DOCKET NO. 50-277

8/7/73

We have been informed by our Region I Office that, based on the results of their inspection program, construction of the Peach Bottom 2 Nuclear Power Plant has been completed with the following exceptions:

1. The main steam line restraints have not all been installed. These seismic restraints are scheduled to be installed before criticality.
2. Review of Radiation Systems Preoperational Test Results.
  - a. Main Steam Line Monitors - Detectors are not in place and the system is not calibrated. Construction work is being performed in that compartment. (Item 1 above.) Final installation and calibration is scheduled to be performed prior to criticality.
3. Three safety related valve operators do not have adequate ratings for protective devices.

The licensee has stated in writing that the above items will be completed and tested satisfactorily as appropriate, prior to initial criticality. A copy of this commitment is attached as an enclosure. Region I will verify that this commitment is fulfilled.

Region I personnel have reviewed implementation of the Q/A program for operations and have found it to be acceptable.

*J. G. Davis*

J. G. Davis, Deputy Director  
for Field Operations  
Directorate of Regulatory  
Operations

cc: See attached list

AUG 7 1973

cc: D. F. Knuth, RO  
J. F. O'Leary, L  
E. G. Case, L  
R. S. Boyd, L  
V. A. Moore, L  
W. R. Butler, L  
J. G. Keppler, RO  
J. P. O'Reilly, RO:I  
E. M. Howard, RO:I  
E. J. Brunner, RO:I  
R. A. Feil, RO:I

# PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

PHILADELPHIA, PA. 19101

(215) 841-4500

V. S. BOYER  
VICE-PRESIDENT

August 3, 1973

Mr. James P. O'Reilly  
Director  
Directorate of Regulatory Operations, Region I  
U. S. Atomic Energy Commission  
631 Park Avenue  
King of Prussia, Pa. 19406

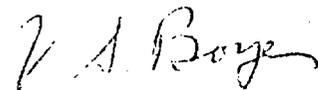
Dear Mr. O'Reilly:

We have been reviewing the construction status of our Peach Bottom 2 unit with inspectors from Region I, and believe that the following items are those remaining outstanding prior to the issuance of the operating license.

- 1) Main steam line restraints
- 2) Main steam line radiation monitoring system installation and testing
- 3) Overcurrent protection of motors associated with several safety-related valves.

The main steam line restraints, the radiation monitoring system associated with the main steam lines, and the installation of correct overcurrent protective devices in the motor circuitry of certain safety-related valves will be completed and tested satisfactorily prior to taking the reactor critical. We believe these items can be deferred until this time. The reactor will not be taken critical until we have received AEC clearance on the disposition of these items.

Sincerely,



cc: R. Powell

AEC ISSUES LIMITED LICENSE FOR OPERATION OF UNIT 2  
OF PEACH BOTTOM ATOMIC POWER STATION IN PENNSYLVANIA

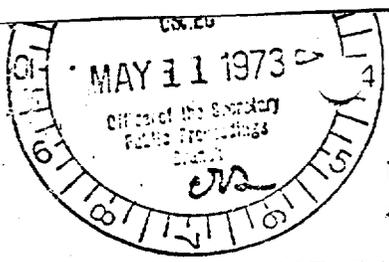
A license ~~is~~ authorizing operation of Unit 2 of the Peach Bottom Atomic Power Station in York County, Pennsylvania, at <sup>up to</sup> ten percent of full power has been issued to Philadelphia Electric Company and three other utilities by the Atomic Energy Commission's Regulatory Staff. At this power level, Unit 2 could produce about 107,000 electrical kilowatts.

Full power operating licenses for Units 2 and 3 are the subject of a public hearing ~~being~~ conducted by an Atomic Safety and Licensing Board. A motion by the applicant for this limited license was unopposed by any party to the proceeding and on May 11 the Licensing Board authorized its issuance. The license was not issued until the plant was found to be ready for fuel loading and *low power* testing.

Units 2 and 3 of the Peach Bottom station each use a boiling water reactor and at full power each will have a net electrical capacity of about 1,065,000 kilowatts. The station is located in Peach Bottom Township on the Susquehanna River.

Sharing ownership in Unit <sup>2</sup> with Philadelphia Electric are Public Service Electric and Gas Company, Delmarva Power

and Light Company and Atlantic City Electric Company.  
Unit 3 is owned by Philadelphia Electric Company.



UNITED STATES OF AMERICA  
ATOMIC ENERGY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of  
PHILADELPHIA ELECTRIC COMPANY, et al  
(Peach Bottom Atomic Power Station,  
Units 2 and 3)

)  
) Docket Nos. 50-277  
) 50-278  
)

ORDER

The purpose of this order is for the Atomic Safety and Licensing Board (the Board) to rule upon the applicants' motion for an operating license authorizing low power testing. This motion was filed by applicants pursuant to §50.57(c) of the Atomic Energy Commission's regulations, 10 CFR Part 50, on April 13, 1973 and it requested low power testing and operation at not more than 75% of full power. The intervenors herein opposed this motion by response dated April 20, 1973. The Atomic Energy Commission's Regulatory Staff (the Staff) did not oppose the motion in its answer filed April 26, 1973 and the State of Pennsylvania indicated that it did not oppose the motion at the oral argument on the motion during the prehearing conference in York, Pennsylvania on April 24, 1973. In addition to the aforementioned oral argument, this motion was discussed at telephone conference calls between the Board and the parties on April 26, 1973, May 1, 1973 and May 2, 1973.

At the telephone conference call between the Board and the parties on May 2, 1973, the applicants agreed that they would amend the motion to request an operating license authorizing low power testing and operation at not more than 10% full power and the intervenors agreed that they would withdraw their opposition to the motion with that amendment. The Staff and the State of Pennsylvania indicated at this conference call that they would not oppose the motion as amended. The Board, therefore, rules that the motion as amended by the applicants is not opposed within the meaning of §50.57(c), 10 CFR Part 50.

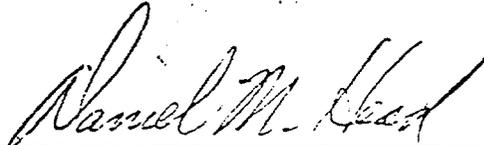
WHEREFORE, considering the above, the Board, in accordance with the provisions of §50.57(c), 10 CFR Part 50, and pursuant to §2.730(e), 10 CFR Part 2, hereby authorizes the Director of Regulation of the Atomic Energy Commission to make appropriate findings on the matters specified in §50.57(a), 10 CFR Part 50, to make such findings as may be appropriate for protection of the environment pursuant to 10 CFR Part 50, Appendix D, and to issue a license for low power testing and operation at not more than 10% of full power, provided, however, that this order and the operating license issued by the Director of Regulation will be subject to and will contain the specific condition set out below.

The operating license issued pursuant to this order shall contain the following condition:

No action shall be taken by the applicants under this operating license which will result in a

discharge of waste heat or any other pollutant into the navigable waters of the United States, namely the Conowingo Pond of the Susquehanna River, without the applicants first having established to the satisfaction of the Atomic Safety and Licensing Board which authorized issuance of this license, that the applicants have a certificate from the State of Pennsylvania that meets the requirements of §401(a) of the Federal Water Pollution Control Act Amendments of 1972 (FWPCA), PL 92-500, or without the applicants first having established to said Board's satisfaction that the certification provision has been waived because the request for certification has not been acted upon within a reasonable period of time.<sup>1/</sup>

BY ORDER OF THE ATOMIC SAFETY AND  
LICENSING BOARD



\_\_\_\_\_  
Daniel M. Head, Chairman

Dated this 11th day of May, 1973  
at Washington, D. C.

<sup>1/</sup> See Washington Public Power Supply System, ALAB-113, decided April 12, 1973; and Initial Decision, South Carolina Electric & Gas Co., AEC Docket No. 50-395, LPBR 73-11, issued March 19, 1973. This footnote need not be included in the text of the operating license.

PHILADELPHIA ELECTRIC COMPANY

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

DOCKET NO. 50-277

PEACH BOTTOM ATOMIC POWER STATION, UNIT 2

FACILITY OPERATING LICENSE

License No. DPR-44

1. The Atomic Energy Commission (the Commission) having found that:
  - A. The application for license filed by Philadelphia Electric Company, Public Service Electric and Gas Company, Delmarva Power and Light Company, and Atlantic City Electric Company (licensees) complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I and all required notifications to other agencies or bodies have been duly made;
  - B. Construction of the Peach Bottom Atomic Power Station, Unit 2 (facility) has been substantially completed in conformity with Construction Permit No. CPPR-37 and the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
  - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;

- D. There is reasonable assurance: (1) that the activities authorized by this operating license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;
- E. Philadelphia Electric Company is technically qualified and the licensees are financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;
- F. The licensees have satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
- G. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
- H. After weighing the environmental, economic, technical, and other benefits of the facility against environmental costs and considering available alternatives, the issuance of Facility Operating License No. DPR-44 is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D have been satisfied; and
- I. The receipt, possession, and use of by-product and special nuclear material as authorized by this license will be in accordance with

the Commission's regulations in 10 CFR Parts 30 and 70, including 10 CFR Section 30.33, and 70.23 and 70.31.

2. Facility Operating License No. DPR-44 is hereby issued to Philadelphia Electric Company (PECO), Public Service Electric and Gas Company (PSE&G), Delmarva Power and Light Company (DP&LC), and Atlantic City Electric Company (ACEC), to read as follows:

A. This license applies to the Peach Bottom Atomic Power Station, Unit 2, a single cycle, forced circulation, boiling water nuclear reactor and associated equipment (the facility), owned by the licensees and operated by PECO. The facility is located in Peach Bottom, York County, Pennsylvania and is described in the "Final Safety Analysis Report" as supplemented and amended (Amendments 1 through 28) and the Environmental Report as supplemented and amended (Supplements 1 through 6).

B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:

(1) Philadelphia Electric Company, pursuant to the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility and PSE&G, DP&LC, and ACEC to possess the facility at the designated location in Peach Bottom, York County, Pennsylvania in accordance with the procedures and limitations set forth in this license;

- (2) PECO, pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material," to receive, possess, and use at any time up to 6000 kilograms of U-235 in connection with operation of the facility;
- (3) PECO, pursuant to the Act and 10 CFR Part 30, "Rules of General Applicability to Licensing of By-Product Material," to receive, possess, and use in connection with operation of the facility:
  - a. Any by-product material with Atomic Numbers between 1 and 83, inclusive, in any form not to exceed 10 millicuries;
  - b. Antimony 124, in sealed sources, not to exceed 14 sources of 700 curies each;
  - c. Krypton 85, in any form, not to exceed 1 curie;
  - d. Xenon 133, in any form, not to exceed 1 curie;
  - e. Americium 241, in sealed neutron sources, not to exceed 1 source of 5 curies, 1 source of 1 curie, and 1 source of 6 curies;
  - f. Cesium 137, in sealed sources, not to exceed 2 sources of 10 curies each, 2 sources of 300 millicuries each and 3 sources of 35 millicuries each;
  - g. Hydrogen 3, in any form, not to exceed 100 millicuries.
- (5) PECO, pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not to separate, such by-product and special nuclear material as may be produced by operation of the facility.

C. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

PECO is authorized to perform low power testing and operating at steady state reactor core power levels not to exceed 329 megawatts thermal (10% of rated power) in accordance with an "Order" issued by the Atomic Safety and Licensing Board on May 11, 1973.

(2) Technical Specifications

The Technical Specifications contained in Appendices A & B attached hereto are hereby incorporated in this license. PECO shall operate the facility in accordance with the Technical Specifications.

D. This license is issued without prejudice to subsequent licensing action which may be taken by the Commission.

E. This license is effective as of the date of issuance and shall expire (18) months from said date unless extended for good cause shown, or upon earlier issuance of a superseding licensing action.

FOR THE ATOMIC ENERGY COMMISSION

*A. Giambusso*

A. Giambusso, Deputy Director  
for Reactor Projects  
Directorate of Licensing

Attachments:

Appendices A & B -  
Technical Specifications

Date of Issuance: AUG 8 1973

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-277

PHILADELPHIA ELECTRIC COMPANY

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

(PEACH BOTTOM ATOMIC POWER STATION, UNIT 2)

NOTICE OF ISSUANCE OF A FACILITY OPERATING LICENSE

Notice is hereby given that pursuant to an "Order", dated May 11, 1973, issued by the Atomic Safety and Licensing Board, the Atomic Energy Commission (the Commission) has issued Facility Operating License No. DPR-44 to the Philadelphia Electric Company, Public Service Electric and Gas Company, Delmarva Power and Light Company and the Atlantic City Electric Company which authorizes low power testing and operation at reactor core power levels not in excess of 329 megawatts thermal (10% of rated power), in accordance with the provisions of the license and the Technical Specifications. The Peach Bottom Atomic Power Station, Unit 2 is a boiling water nuclear reactor located at the licensees' site in York County, Pennsylvania.

The Commission has made appropriate findings as required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license. The application for the license complies with the standards and requirements of the Act and the Commission's rules and regulations.

The license is effective as of the date of issuance and shall expire on February 7, 1975, unless extended for good cause shown or upon the earlier issuance of a superseding operating license.

A copy of (1) Order, dated May 11, 1973, (2) Facility Operating License No. DPR-44, complete with Technical Specifications (Appendices "A" and "B"), (3) the report of the Advisory Committee on Reactor Safeguards, dated Sept 21, 1972, (4) the Directorate of Licensing's Safety Evaluation, dated August 11, 1972, (5) Supplement No. 1 to the Safety Evaluation, dated December 11, 1972, (6) Supplement No. 2 to the Safety Evaluation, dated May 23, 1973, (7) the Final Safety Analysis Report and amendments thereto, (8) the applicant's Environmental Report, dated June 4, 1971 and supplements thereto, (9) the Draft Environmental Statement dated October, 1972, and (10) the Final Environmental Statement, dated April, 1973, are available for public inspection at the Commission's Public Document Room at 1717 H Street, N. W., Washington, D. C. and at the Martin Memorial Library, 159 E. Market Street, York, Pennsylvania 17401. A copy of the license and the Safety Evaluation and Supplements may be obtained upon request addressed to the United States Atomic Energy Commission, Washington, D. C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing.

Dated at Bethesda, Maryland, this 8<sup>th</sup> day of August, 1973.

FOR THE ATOMIC ENERGY COMMISSION



Walter R. Butler, Chief  
Boiling Water Reactors Branch 1  
Directorate of Licensing

CHECKLIST FOR ISSUANCE OF FACILITY LICENSE

APPLICANT Philadelphia Electric Company DOCKET NO. 50-277  
 FACILITY Peach Bottom Atomic Power Station, Unit 2  
 PROJECT MANAGER Raymond Powell  
 LICENSING ASSISTANT Madelyn J. Maignet

DATE

Initial Decision ~~on Order~~ September 14, 1973  
Safety Review:  
 L Safety Evaluation August 11, 1972  
 ACRS Letter September 21, 1972  
Environmental Review:  
 Final Environmental Statement April 1973  
 Published in FEDERAL REGISTER April 10, 1973  
Antitrust Review:  
 OAI Concurrences August 8, 1973  
Notifications Required by Act & Commission Rules\*:  
 State Official October 9, 1970  
 Local Official August 31, 1970  
Water Quality Certification:  
 Submittal by Applicant August 8, 1972  
 Transmitted to EPA September 21, 1972  
License Fee:  
 Amount: \$548,340 Paid October 24, 1973  
Indemnity Agreement:  
 OAI Concurrence August 8, 1973  
Status of Outstanding Construction Items Checked w/RO October 19, 1973  
Regulatory Operations Final Report: (If Available) Same as above item. October 10, 1973  
Technical Specifications:  
 RP Concurrence October 23, 1973  
 EP Concurrence October 18, 1973  
 OR Concurrence (R. J. Schemel for D. Skovholt) October 16, 1973  
Public Announcement (to be released):  
Issuance Package: OGC Concurrence ----- Copy Attached October 25, 1973  
 1. License OCT 25 1973  
 2. FEDERAL REGISTER Notice OCT 25 1973  
 3. Letter to Applicant OCT 25 1973  
 4. Information Report

\* Date Initial Application Forwarded

Revised: MAY 7 1973

**MEMO ROUTE SLIP**

Form AEC-93 (Rev. May 14, 1947) AECM 0240

See me about this.  
Note and return.

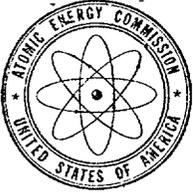
For concurrence.  
For signature.

For action.  
For information.

TO (Name and unit)		INITIALS	REMARKS
Madelyn Maigret BWR-1			
		DATE	
TO (Name and unit)		INITIALS	REMARKS
		DATE	
TO (Name and unit)		INITIALS	REMARKS
		DATE	
			Confirming my earlier telecon, an operating license
FROM (Name and unit)		REMARKS	
A. Cabell Allen Cabell BMB		fee of \$548,340 was paid by Philadelphia Electric Co. on	
		10/24/73. Fee covers a proposed amendment to Lic. DPR-44,	
		to increase power level from 329 Mwt to 3293 Mwt.	
PHONE NO.	DATE		
7225	10/25		

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO : 1971 O - 445-469



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

OCT 19 1973

→ A. Ciambusso, Deputy Director  
for Reactor Projects  
Directorate of Licensing

PHILADELPHIA ELECTRIC COMPANY (PEACH BOTTOM 2)  
DOCKET NO. 50-301 - FULL POWER LICENSE

Our Region I Office informs us that no unresolved issues remain that would prevent the issuance of a full power license to the above facility.

Based on these findings, RO:HQ's recommends that a full term, full power license be issued for Peach Bottom 2.

A handwritten signature in black ink, appearing to read "John G. Davis".

John G. Davis, Deputy Director  
for Field Operations  
Directorate of Regulatory Operations

PRESS RELEASE

DRAFT  
CMiles:mpm  
10/16/73

AEC ISSUES FULL POWER LICENSE FOR OPERATION OF UNIT 2  
OF PEACH BOTTOM ATOMIC POWER STATION IN PENNSYLVANIA

A license authorizing full power, full term operation of Unit 2 of the Peach Bottom Atomic Power Station in York County, Pennsylvania, has been issued to <sup>the</sup> Philadelphia Electric Company and three other utilities by the Atomic Energy Commission's Regulatory Staff. At full power, Unit 2 will have a net electrical output of about 1,065,000 kilowatts. x

Full power operating licenses for Units 2 and 3 were the subject of a public hearing conducted by an Atomic Safety and Licensing Board. During the course of the proceedings the Board authorized a license for operation of Unit 2 at ten percent of full power which was issued in August 1973. On September 14, the Board authorized issuance of the full power license for Unit 2 and will issue a decision on Unit 3 at a later date. The full term of the operating license is forty years from January 31, 1968, the date the AEC construction permits <sup>were</sup> ~~was~~ issued.

Units 2 and 3 of the Peach Bottom Station each use <sup>s</sup> a boiling water reactor, and their full power capacity is the same. The Station is located in Peach Bottom Township on the Susquehanna River. Sharing ownership in Units 2 and 3 with ~~the~~ Philadelphia Electric <sup>Company</sup> are <sup>the</sup> Public Service Electric and Gas Company, ~~the~~ Delmarva Power and Light Company and <sup>the</sup> Atlantic City Electric Company. x

**MEMO ROUTE SLIP**

Form AEC-93 (Rev. May 14, 1947) AECM 0240

See me about this.  
Note and return.

For concurrence.  
For signature.

For action.  
For information.

TO (Name and unit)

INITIALS

REMARKS

~~W. Butler~~

DATE

TO (Name and unit)

INITIALS

REMARKS

R. Powell

DATE

TO (Name and unit)

INITIALS

REMARKS

DATE

FROM (Name and unit)

REMARKS

R. J. Schemel for  
D. J. Skovholt  
AD/OR, L

We have reviewed the Technical Specifications for  
Peach Bottom and we have no comments.

PHONE NO.  
7433

DATE  
10/16/73

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO : 1971 O - 445-469

**MEMO ROUTE SLIP**

Form AEC-93 (Rev. May 14, 1947) AECM 10

See me about this.  
Note and return.

For concurr  
For signature:

For action.  
For information.

TO (Name and unit)		INITIALS	REMARKS
<i>Gordon Dicker</i>			<i>Please concur in Tech spec. changes to "B".</i>
<i>OK EKD</i>		DATE	
TO (Name and unit)		INITIALS	REMARKS
			<i>Please return to me as this is my only good copy.</i>
		DATE	
TO (Name and unit)		INITIALS	REMARKS
		DATE	
FROM (Name and unit)		REMARKS	
<i>M. Marquit</i>			
<i>W/BWR-1</i>			
PHONE NO.	DATE		
<i>X 7791</i>	<i>10/18/73</i>		

USE OTHER SIDE FOR ADDITIONAL REMARKS

Distribution:

AEC PDR  
Local PDR  
Docket ✓  
PWR-1 Rdg  
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R. C. DeYoung  
J. Hendrie  
F. Schroeder  
A. Kenneke

R. W. Klecker  
D. Eisenhut  
RO (3)  
J. Lee  
Proj. Manager  
TR Asst. Dirs.  
D. Vassallo  
R. S. Boyd

OCT 09 1973

Docket No. 50-280  
and 50-281

Virginia Electric and Power Co.  
ATTN: Mr. Stanley Ragone  
Senior Vice President  
P. O. Box 26666  
Richmond, Virginia 23261

RE: Surry Power Station Units 1 and 2

Gentlemen:

The Regulatory staff has had the subject of anticipated transients without scram (ATWS) in water-cooled reactor power plants under study for some time.

The staff has completed its review of ATWS and has concluded that measures should be taken to improve nuclear plant designs in this regard. Details of the staff review and conclusions and of the steps that should be taken to deal with ATWS are given in the staff "Technical Report on Anticipated Transients Without Scram for Water-Cooled Power Reactors," September 1973, a copy of which is enclosed for your information. The improvement measures acceptable to the staff are outlined in the staff position on ATWS, Appendix A, of the enclosed report in descending order of preference; that is, the "A" sections of the staff position describe the ultimate objective. For those facilities for which the imposition of the requirements of the "A" sections is not practical, the staff will accept the alternate approaches of the "B" or "C" sections subject to the limitations specified in the staff position. The rationale and bases for this approach are given in the enclosed report.

Acceptable measures that should be taken for the subject facility(s) are either those in the "A" or the "C" sections of the staff position. If there is reasonable assurance that the provisions of the "A" sections can be met satisfactorily on a reasonable schedule (less than 3 years) for the subject facility(s), you need not analyze the consequences of ATWS. You must, however, provide sufficient analyses and discussion to justify

OFFICE ▶	C3								
SURNAME ▶	10/27/73								
DATE ▶									

Rg

Virginia Electric and  
Power Company

-2-

OCT 09 1973

your position and a commitment that you will meet the provisions of the "A" sections or revert to the provisions of the "C" sections if required by the staff. You should advise the staff by no later than January 1, 1974, of the approach you intend to take and submit a detailed report addressing fully, either the "A" or "C" sections of the staff position by October 1, 1974, as an amendment to the Safety Analysis Report.

The staff is prepared to discuss this matter with you at a mutually agreeable time.

Sincerely,

Original Signed by  
Roger S. Boyd

*for* A. Giambusso, Deputy Director  
for Reactor Projects  
Directorate of Licensing

Enclosure:  
Technical Report on ATWS  
for Water-Cooled Power  
Reactors, September 1973

cc: George D. Gibson, Esq.  
Hutton, Williams, Gay,  
and Gibson  
P. O. Box 1535  
Richmond, Virginia 23213

OFFICE ▶						
SURNAME ▶						
DATE ▶						