

JUN 19 1974

Docket 50-352/353

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

Gentlemen:

Pursuant to an Initial Decision issued by the Atomic Safety and Licensing Board, the Atomic Energy Commission has issued Construction Permits CPPR-106 and CPPR-107 authorizing construction of the Limerick Generating Station, Units 1 and 2.

A copy of the Initial Decision, Construction Permits CPPR-106 and CPPR-107, and a related notice which has been forwarded to the Office of the Federal Register for publication are enclosed.

Sincerely,

Original signed by
D. B. Vassallo

Richard C. DeYoung
Assistant Director
for Pressurized Water Reactors
Directorate of Licensing

Enclosures:

1. Initial Decision
2. Construction Permits
CPPR-106 & CPPR-107
3. Federal Register Notice

cc w/encls:
See Attached List

OFFICE ▶	JTW 1-2	L:LWR 1-2	JGC 6/18/74	Selection	L:ER Knighton	L:PNR
SURNAME ▶	M. J. Bigret; err GE Lear	WRButler	Stourtelotte	A. BRAITMAN	w. Reagen BRM Miller	RCDeYoung
DATE ▶	6/18/74	6/18/74	6/18/74	6/19/74	6/19/74	6/19/74

LB

JUN 19 1974

ccs: w/enclosures

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Harrisburg, Pennsylvania 17105

Honorable Lawrence Coughlin
House of Representatives
Congress of the United States
Washington, D.C. 20515

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Norristown, Pennsylvania 19401

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East Greenville, Pennsylvania 18041

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County of Montgomery
Courthouse
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Mr. T. B. Abernathy
U. S. AEC-DTIE
Document Management Branch
P. O. Box 62
Oak Ridge, Tennessee 37830

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

Mr. Thomas M. Gerusky, Director
Office of Radiological Health
Department of Environmental Resources
P. O. Box 2063
Harrisburg, Pennsylvania 17105

Honorable William F. Hyland
Attorney General
State of New Jersey
State House Annex
Trenton, New Jersey 08601

Mr. Robert Blanco
Environmental Protection Agency
Curtis Building
6th & Walnut Street
Philadelphia, Pennsylvania 19106

Mr. Frank Rumler
Chairman of the Board of Supervisors
of Limerick Township
425 Limerick Center
Linfield, Pennsylvania 19468

Department of Interior
ATTN: Mr. Bruce Blanchard, Director
Environmental Projects Review
Room 5321
18th & C Streets, N.W.
Washington, D.C. 20240

Mr. J. R. Buchanan
Assistant Director, NSIC
Oak Ridge National Laboratory
P. O. Box Y
Oak Ridge, Tennessee 37830

OFFICE >						
SURNAME >						
DATE >						

JUN 19 1974

Internal Distribution:

Dockets 50-352 & 353

AEC/PDR

L/PDR

LWR 1-2 File

LCPowell, OGC

JFScinto, OGC

RO (3)

NLDube, OPS

MEJinks (w/2 encls)

RCDeYoung

ABraitman, OAI

MJMaigret

GElear

WOMiller, DRA

ARLyle, EP-1

MSlater, EP-1

LWR 1 Branch Chiefs

ACRS (16)

DRMuller

BFScharf

bcc: ASRosenthal, ASLAP
NHGoodrich, ASLBP

OFFICE ▶						
SURNAME ▶						
DATE ▶						

MAY 7 1973

CHECKLIST FOR ISSUANCE OF CONSTRUCTION PERMIT

Applicant Philadelphia Electric Company Docket No. 50-352 & 353
 Facility Limerick Generating Station, Units 1 & 2
 Project Manager George Lear Licensing Assistant Madelyn J. Maigret

Date

Initial Decision June 14, 1974

Safety Review:
 1. Safety Evaluation November 29, 1971
 ACRS Letter September 21, 1972

Environmental Review:
 Final Environmental Statement November 1973
 Published in Federal Register November 12, 1973

Notifications Required by Act & Commission Rules*:
 State Official March 26, 1970
 Local Official May 5, 1970
 FPC NOT REQUIRED BY COMMISSION RULES IN 1970 N.A.

State Regulatory Agencies - NOT REQUIRED BY COMMISSION RULES IN 1970 N.A.

Water Quality Certification:
 Submitted by Applicant February 25, 1974
 Transmitted to EPA March 26, 1974

Antitrust Review:
 Attorney General's Advice Published in Federal Register September 4, 1971
 Decision August 31, 1971

License Fee:
 Amount \$ 958,600 Paid June 19, 1974 11:30 A.M.

Public Announcement (to be released):
 (attach copy if available) COPY ATTACHED

Issuance Package: OGC Concurrence

1. Permit 6/19/74
2. Federal Register Notice 6/19/74
3. Letter to Applicant 6/19/74
4. Information Report 6/19/74

*Date initial application forwarded

Revised

MAY 7 1973



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

PHILADELPHIA ELECTRIC COMPANY
DOCKET NO. 50-352
LIMERICK GENERATING STATION
UNIT 1
CONSTRUCTION PERMIT

Construction Permit No. CPPR-106

1. The Atomic Energy Commission (the Commission) having found that:
 - A. The application for construction permit complies with the requirements of the Atomic Energy Act of 1954, as amended, and the rules and regulations of the Commission, there is reasonable assurance that the activities authorized by the permit will be conducted in compliance with the rules and regulations of the Commission, and all required notifications to other agencies or bodies have been duly made;
 - B. The Philadelphia Electric Company (the applicant) has described the proposed design of the Limerick Generating Station, Unit 1 (the facility), including, but not limited to, the principal architectural and engineering criteria for the design and has identified the major features or components incorporated therein for the protection of the health and safety of the public;
 - C. Such further technical or design information as may be required to complete the safety analysis, and which can reasonably be left for later consideration, will be supplied in the final safety analysis report;
 - D. Safety features or components, if any, which require research and development have been described by the applicant and the applicant has identified, and there will be conducted, a research and development program reasonably designed to resolve any safety questions associated with such features or components;
 - E. On the basis of the foregoing, there is reasonable assurance that (i) such safety questions will be satisfactorily resolved at or before the latest date stated in the application for completion of construction of the proposed facility and (ii)

taking into consideration the site criteria contained in 10 CFR Part 100, the proposed facility can be constructed and operated at the proposed location without undue risk to the health and safety of the public;

- F. The applicant is technically qualified to design and construct the proposed facility;
 - G. The applicant is financially qualified to design and construct the proposed facility;
 - H. The issuance of a permit for the construction of the facility will not be inimical to the common defense and security or to the health and safety of the public; and
 - I. After weighing the environmental, economic, technical and other benefits of the facility against environmental costs and considering available alternatives, the issuance of a construction permit (subject to the conditions for protection of the environment set forth herein) 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.
2. Pursuant to Section 103 of the Atomic Energy Act of 1954, as amended (the Act), and Title 10, Chapter I, Code of Federal Regulations, Part 50, "Licensing of Production and Utilization Facilities," and pursuant to the Initial Decision of the Atomic Safety and Licensing Board, dated June 14, 1974, the Atomic Energy Commission (the Commission) hereby issues a construction permit to the applicant for a utilization facility designed to operate at 3293 megawatts thermal as described in the application and amendments thereto (the application) filed in this matter by the applicant and as more fully described in the evidence received at the public hearing upon that application. The facility, known as the Limerick Generating Station, Unit 1, will be located on the applicant's site on the Schuylkill River, near Pottstown, in Limerick Township, Montgomery County, Pennsylvania.
3. This permit shall be deemed to contain and be subject to the conditions specified in Sections 50.54 and 50.55, of said regulations; is subject to all applicable provisions of the Act, and rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:

- A. The earliest date for the completion of the facility is April 1, 1979, and the latest date for completion is October 1, 1979.
- B. The facility shall be constructed and located at the site as described in the application, on the Schuylkill River, near Pottstown, in Limerick Township, Montgomery County, Pennsylvania.
- C. This construction permit authorizes the applicant to construct the facility described in the application and the hearing record, in accordance with the principal architectural and engineering criteria and environmental protection commitments set forth therein.
- D. In view of the fact that the Attorney General has not recommended an antitrust hearing in this matter, that no antitrust issues have been raised by another in a manner according with the Commission's Rules of Practice, and that no finding has been made that an antitrust hearing is otherwise required (10 CFR, Part 2, Section 2.104(d)), antitrust review of the application for this construction permit under Section 105c of the Atomic Energy Act of 1954, as amended, has been completed and a hearing thereon determined to be unnecessary.
- E. This facility is subject to the following additional conditions for the protection of the environment:
 - (1) All work in connection with this project shall be carried on under the provisions of Permit 4671202, authorized by the Department of Environmental Resources, Commonwealth of Pennsylvania under the Act of June 25, 1913, as amended.
 - (2) A control program shall be established by the applicant to provide for a periodic review of all construction activities to assure that those activities conform to the environmental conditions set forth in this permit.
 - (3) At least two weeks before engaging in a construction activity which may result in a significant adverse environmental impact that was not evaluated or that is significantly greater than that evaluated in the Final Environmental Statement, the applicant shall provide written notification to the Director of Licensing.

- (4) If unexpected harmful effects or evidence of irreversible damage are detected during facility construction; the applicant shall provide an acceptable analysis of the problem and a plan of action to eliminate or significantly reduce the harmful effects or damage.
- (5) The facility shall be designed such that the total residual chlorine concentration in the discharge prior to entry into the river is not greater than 0.1 ppm in any case.
- (6) The environmental report submitted in support of an operating license for the station shall include the following:
 - (i) A monitoring program to identify and measure the releases of radioactive substances.
 - (ii) A program for the collection, classification and enumeration of all fish trapped on the intake screens.
 - (iii) A program for the measurement at the discharge structure of concentrations of chlorine (free and total residual) and heavy metals (iron, copper, zinc, cadmium, cobalt, nickel, chromium and manganese) and any chemical added to maintain water quality in the cooling tower.
- (7) The pre-operational environmental monitoring program described in the Environmental Report, Construction Permit Stage (Revised), shall be verified by a comprehensive report to the Staff which defines an appropriate data base for the existing environment. This report shall be provided by January 1, 1975.
- (8) The applicant will take those measures necessary to assure the availability of compensating water storage capacity at the time of initial power operation if such is permitted by the Delaware River Basin Commission pursuant to DRBC Docket No. D-69-210CP. A schedule identifying significant milestone dates to achieve this objective, assuming the Tocks Island project is not available, shall be developed in coordination with the Delaware River Basin Commission and submitted to the Director of Licensing within six months after the issuance of a construction permit for the station:

Provided, however, that if and when the Delaware River Basin Commission has permitted applicant to construct supplemental storage reservoir and has allocated sufficient water to be utilized in connection therewith for normal plant operations at

full power, and after the required comprehensive basin review has been completed as required by Section 3.8 of the Compact of the DRBC, for the supplemental storage reservoir and the Point Pleasant diversion project, then the Atomic Energy Commission shall prepare Draft and Final Environmental Impact Statements and shall provide a hearing of the scope required by the Rules of Practice of the Commission and by the Administrative Procedure Act to consider the significant environmental impact within the scope of NEPA requirements, of the construction and operation of such supplemental storage reservoir, and the Point Pleasant diversion project to the extent that its facilities are used for Limerick Generating Station, the said hearing and determination of the significant environmental impact to occur before applicant shall commence construction of the said storage reservoir, or the Point Pleasant facilities which will be used for Limerick Generating Station.

- (9) The applicant shall take the necessary mitigating actions, including those summarized in Section 4.5 of the Final Environmental Statement, during construction of the Station and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities. A program of control over all activities which can cause a significant adverse environmental impact shall be established. The program shall provide for a periodic review of all construction activities to assure that these activities conform to the environmental conditions of the construction permit and are not resulting in significant adverse environmental impact.
4. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless (a) the applicant submits to the Commission the complete final safety analysis report, portions of which may be submitted and evaluated from time to time; (b) the Commission finds that the final design provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license; (c) the Commission finds that operation of the facility will be in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D were satisfied; and (d) the applicant submits proof of financial protection and the execution of an indemnity agreement as required by Section 170 of the Act.

5. This permit is effective as of its date of issuance and shall expire on the latest completion date indicated in paragraph 3.A above.

FOR THE ATOMIC ENERGY COMMISSION


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

Date of Issuance: JUN 19 1974

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NOS. 50-352 & 50-353

PHILADELPHIA ELECTRIC COMPANY

NOTICE OF AVAILABILITY OF INITIAL DECISION OF THE ATOMIC SAFETY AND
LICENSING BOARD FOR THE LIMERICK GENERATING STATION, UNITS 1 & 2 AND
ISSUANCE OF CONSTRUCTION PERMITS

Pursuant to the National Environmental Policy Act of 1969 and the United States Atomic Energy Commission's regulations in 10 CFR Part 50, Appendix D, Section A.9 and A.11, notice is hereby given that an Initial Decision dated June 14, 1974, by the Atomic Safety and Licensing Board in the above captioned proceeding authorizing issuance of construction permits to the Philadelphia Electric Company for construction of the Limerick Generating Station, Units 1 & 2 located on the Schuylkill River, near Pottstown in Limerick Township, Montgomery County, Pennsylvania, is available for inspection by the public in the Commission's Public Document Room at 1717 H Street, N. W. Washington, D. C. and in the Pottstown Public Library, 500 High Street, Pottstown, Pennsylvania 19464.

The Initial Decision is subject to review by an Atomic Safety and Licensing Appeal Board prior to its becoming final. Any decision or action taken by an Atomic Safety and Licensing Appeal Board in connection with the Initial Decision may also be reviewed by the Commission.

The Initial Decision is also being made available at the Office of Radiological Health, Department of Environmental Resources 5th Floor, Fulton Building, 3rd and Locust Street, Harrisburg, Pennsylvania 17120 and at the Delaware Valley Regional Planning Commission, 1317 Filbert Street, Philadelphia, Pennsylvania 19107.

Based upon the record developed in the public hearing in the above captioned matter, the Initial Decision modified in certain respects the contents of the Final Environmental Statement relating to the construction of the Limerick Generating Station, Units 1 & 2, prepared by the Commission's Directorate of Licensing. Pursuant to the provisions of 10 CFR Part 50, Appendix D, Section A.11, the Final Environmental Statement is deemed modified to the extent that the findings and conclusions relating to environmental matters contained in the Initial Decision are different from those contained in the Final Environmental Statement, dated November 1973. As required by Section A.11 of Appendix D, a copy of the Initial Decision, which modifies the Final Environmental Statement, has been transmitted to the Council on Environmental Quality and made available to the public as noted herein.

Pursuant to the above mentioned Initial Decision, the Atomic Energy Commission (the Commission) has issued Construction Permits Nos. CPPR-106 & CPPR-107 to the Philadelphia Electric Company for construction of two boiling water nuclear reactors, known as the Limerick Generating Station, Units 1 & 2, each designed for a rated power of approximately 3293 megawatts thermal with a net electric output of approximately 1055 megawatts.

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 construction permits. The application for the construction permits complies with the standards and requirements of the Act and the Commission's rules and regulations.

The construction permits are effective as of their date of issuance. The earliest date for the completion of Unit 1 is April 1, 1979, and the latest date for completion is October 1, 1979. The earliest date for the completion of Unit 2 is September 1, 1980 and the latest date for completion is March 1, 1981. Each permit shall expire on the latest date for completion of the facility.

In addition to the Initial Decision, copies of (1) Construction Permits Nos. CPPR-106 & CPPR-107; (2) the report of the Advisory Committee on Reactor Safeguards, dated September 21, 1972; (3) the Directorate of Licensing's Safety Evaluation, dated November 29, 1971; (4) Errata to Safety Evaluation, dated January 1972 and April 24, 1972; (5) the Preliminary Safety Analysis Report and amendments thereto; (6) the applicant's Environmental Report, dated October 1970, revised May 1972 and supplements thereto; (7) the Draft Environmental Statement, dated August 1973; and (8) the Final Environmental Statement, dated November 1973, are also available for public inspection at the above-designated locations and in Washington, D.C. and in the Pottstown Public Library, 500 High Street, Pottstown, Pennsylvania 19464. Single copies of the Initial Decision by the Atomic Safety and Licensing Board, the construction permits, the Final Environmental Statement, and the Safety Evaluation and Errata may be obtained upon request addressed to the U. S. Atomic Energy Commission

Washington, D.C. 20545, Attention: Deputy Director for Reactor Projects,
Directorate of Licensing, Regulation.

Dated at Bethesda, Maryland, this 19th day of June, 1974.

FOR THE ATOMIC ENERGY COMMISSION

Walter R. Butler

Walter R. Butler, Chief
Light Water Reactors Project Branch 1-2
Directorate of Licensing