Docket Nos. STN 50-454 STN 50-455 STN 50-456 and STN 50-457

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C 3 1 97 Attorney, ELD

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JAngelo
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Docket File

LWR 1-1 File

NRC PDR

Local PDR

ATOalston BScharf (15)

Mr. Byron Lee, Jr.

NDube
MJinks (2 encls. per docket)

Vice President

Commonwealth Edison Company

P. 0. Box 767

Chicago, Illinois 60690

RCDeYoung JMcGough

RWKlecker

JSaltzman

MWilliams KGoller DSkovholt

Dear Mr. Lee:

JLee SKari

EHughes

Construction Permits Nos. CPPR-130, CPPR-131, CPPR-132, and CPPR-133 are enclosed, together with a copy of a related notice which has been forwarded to the Office of the Federal Register for publication.

The construction permits authorize Commonwealth Edison Company to construct four pressurized water reactors, designated as Byron Station, Units 1 and 2 to be located in Ogle County, Illinois and Braidwood Station, Units 1 and 2 to be located in Will County, Illinois.

Sincerely,

Original alenced by D. B. Victoria

D. B. Vassallo, Chief Light Water Reactors Project Branch 1-1 Division of Reactor Licensing

Enclosures:

- 1. Construction Permit No. CPPR-130
- 2. Construction Permit No. CPPR-131
- 3. Construction Permit No. CPPR-132
- 4. Construction Permit No. CPPR-133
- 5. Federal Register Notice

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SURNAME JLee; pav Amgelo DBVassallo DMuller RCDelfourg

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cc: Mr. John W. Rowe
-Isham, Lincoln & Beale
One First National Plaza
42nd Eloor
Chicago, Illinois 60690

Mr. William Kortier
Atomic Power Distribution
Westinghouse Electric Corporation
P. O. Box 355
Pittsburgh, Pennsylvania 15230

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

LeBoeuf, Lamb, Leiby and MacRae 1757 N Street, N. W. Washington, D. C. 20038

Mr. Leroy Stratton Eureau of Public Health Illinois Department of Public Health Springfield, Illinois 62706

Mr. Clarence E. Hoffman, Chairman Ogle County Board of Supervisors Joliet, Illinois 60434

Mr. Roy Hassert, Chairman Will County Board of Supervisors Joliet, Illinois 60434

Chief, TIRB (2)
Technology Assessment Division
Office of Radiation Programs
Uf S. Environmental Protection Agency
Room 647A East Tower
Waterside Mall
401 M Street, S. W.
Washington, D. C. 20460

Mr. Gary Williams, Region V Federal Activities Branch Environmental Protection Agency 1 N. Wacker Drive, Room 822 Chicago, Illinois 60606

Ms. Mary Tisue 1118 Surrey Drive Glen Ellyn, Illinois 60137

Mr. Robert Podlasek Illinois Commerce Commission 527 East Capitol Street Springfield, Illinois 62706

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NUCLEAR REGULATOR COMMISSION WASHINGTON, D. C. 20555

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-454

BYRON STATION, UNIT NO. 1

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Byron Station, Unit No. 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 and other 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 of the Commission's regulations and all applicable requirements have been satisfied.
- 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 Decisions of the Atomic Safety and Licensing Board, dated December 6, 1974, October 29, 1975 and December 31, 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at a core power level of 3411 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 Byron Station, Unit No. 1, will be located on the Applicant's site in Ogle County, Illinois.

- 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 May 1, 1980, and the latest date for completion is June 1, 1982.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Byron, in Ogle County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, 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;

- (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) 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, Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the staff.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

R. S. Boyd Acting Director Division of Reactor Licensing

Office of Nuclear Reactor Regulation

Date of Issuance: December 31, 1975

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-454

BYRON STATION, UNIT NO. 1

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Byron Station, Unit No. 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;

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- 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board, dated December 6, 1974, October 29, 1975 and December 31, 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at a core power level of 3411 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 Byron Station, Unit No. 1, will be located on the Applicant's site in Ogle County, Illinois.

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- 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 May 1, 1980, and the latest date for completion is June 1, 1982.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Byron, in Ogle County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, 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;

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- (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) 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.

 Division of Reactor Licensing:
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report. with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the staff.
- 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 issuence of said license; (c) the Commission finds that operation of the facility will be in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

Original signed by R. C. DeYoung

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COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-454

EYRON STATION, UNIT NO. 1

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Byron Station, Unit No. 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;

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- 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board, dated December 6, 1974, October 29, 1975 and December , 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at 3465 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 Byron Station, Unit No. 1, will be located on the Applicant's site in Ogle County, Illinois.

To core power level of 3411

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- 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 May 1, 1980, and the latest date for completion is June 1, 1982.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Eyron, in Ogle County, Illinois.
 - 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. The Applicant is subject to the following antitrust condition:
 The Applicant will afford an opportunity to participate in the
 LaSalle County Station, Units 1 and 2, for the term of the license,
 or any extension or renewal thereof, to those municipal electric
 systems which have indicated an interest in such participation
 by December 31, 1973, through a reasonable ownership interest
 in such unit(s) or through contractual purchases of unit power
 subject to reasonable terms and conditions and on a basis that
 will fully compensate the Applicant for its costs (including
 a reasonable return on investment). Such opportunity to participate
 shall include arrangements for reasonable reserve protection and
 associated transmission service by the Applicant, on a basis
 that will fully compensate the Company for its costs (including
 a reasonable return on investment). The municipal systems
 must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - Add new paragraph

 E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, including those summarized in Section of the Final Environmental Statement, during construction of the Station and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities;

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(3) 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, Division of Reactor Licensing;

(4) If unexpected harmful effects or evidence of irreversible damage is 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; and

(5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the Staff.

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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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 MUCLEAR REGULATORY COMMISSION

(See Previous Concurrences.) Division of Reactor Licensing RL:AD LWR1 RL:LWR 1-1 Office of Muclear Reactor Regulation RCDeYoung **JAngelo** of Issuance: 12/ RL:LWR]-] AD:EP RL:LWR 1-1 RL OFFICE > DBVassallo **RBoyd** JLee; pay DMuller SURNAME > 12/ 12/ DATE

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

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-454

BYRON STATION, UNIT NO. 1

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Byron Station, Unit No. 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board, dated December 6, 1974, October 29, 1975 and December , 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at 3425 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 Eyron Station, Unit No. 1, will be located on the Applicant's site in Cgle County, Illinois.

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- 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 June 1, 19801979, and the latest date for completion is September 1, 1981. June 1, 1982
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Eyron, in Ogle County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1/and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Company for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, including those summarized in Section 4 of the Final Environmental Statement, during construction of the Station and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities;

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- (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) 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, Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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, and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

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NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-455

BYRON STATION, UNIT NO. 2

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Byron Station, Unit No. 2 (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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board, dated December 6, 1974, October 29, 1975 and December 31,1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at a core power level of 3411 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 Byron Station, Unit No. 2, will be located on the Applicant's site in Ogle County, Illinois.

- 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 November 1, 1981, and the latest date for completion is November 1, 1983.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Byron, in Ogle County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, 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;

- (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) 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, Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the staff.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

R. S. Boyd Acting Director Division of Reactor Licensing

Office of Nuclear Reactor Regulation

Date of Issuance: December 31, 1975

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-455

BYRON STATION, UNIT NO. 2

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Byron Station. Unit No. 2 (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;

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- 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board. dated December 6, 1974, October 29, 1975 and December 31, 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at a core power level of 3411 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 Byron Station. Unit No. 2, will be located on the Applicant's site in Ogle County, Illinois.

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- 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 November 1, 1981, and the latest date for completion is November 1, 1983.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Byron, in Ogle County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, 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:

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- (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) 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. Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report. with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the staff.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

Original signed by R. C. DeYoung

R. S. Boyd, Acting Director

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COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-455

BYRON STATION, UNIT NO. 2

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Byron Station, Unit No. 2 (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;

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- 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board, dated December 6, 1974, October 29, 1975 and December , 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at 3465 megawatts thermal as described in the application and amendments thereto (the application) filed in this matter by the Applicant as more fully described in the evidence received at the public hearing upon that application. The facility, known as the Byron Station, Unit No. 2, will be located on the Applicant's site in Ogle County, Illinois.

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- 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 November 1, 1981, and the latest date for completion is November 1, 1983
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Byron, in Ogle County, Illinois.
 - 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.
- The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Compension for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974. Add new

E. This facility is subject to the following conditions for the protection of the environment:

(1) The Applicant shall take the necessary mitigating action, including those summarized in Section of the Final Environmental Statement, during construction of the Station and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities;

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- (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) 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, Division of Reactor Licensing:
- (4) If unexpected harmful effects or evidence of irreversible damage is 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: and
- In addition to the preoperational monitoring program (5) described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the stati
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

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UNITED STATES UCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-455

BYRON STATION, UNIT NO. 2

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Byron Station, Unit No. 2 (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 and other 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 of the Commission's regulations and all applicable requirements have been satisfied.
- 2. Pursuant to Section 163 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 December 6, 1974, Cctober 29, 1975 and December , 1975, the Muclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at 3425 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 Byron Station, Unit No. 2, will be located on the Applicant's site in Cgle County, Illinois.

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A. The earliest date for the completion of the facility is Narch 1, 1981 1980, and the latest date for completion is June 1, 1983. November 1, 1983

- B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Byron, in Ogle County, Illinois.
- 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.
- The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity/to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Company for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
- F. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, including those summarized in Section 4 of the Final Environmental Statement, during construction of the Station and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities;

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- (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) 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, Division of Reactor Licensing,
- (4) If unexpected harmful effects or evidence of irreversible damage is 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, 300
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

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

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-456

BRAIDWOOD STATION, UNIT NO. 1

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Braidwood Station, Unit No. 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board, dated January 8, 1975, October 29, 1975 and December 31, 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at a core power level of 3411 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 Braidwood Station, Unit No. 1, will be located on the Applicant's site in Will County, Illinois.

- 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 November 1, 1980, and the latest date for completion is November 1, 1982.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Braidwood, in Will County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, 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, with the exception that burning of landscape waste from site clearing is permitted in accordance with Illinois State law;

- (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) 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, Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the staff.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

R. S. Boyd, Acting Director Division of Reactor Licensing

Office of Nuclear Reactor Regulation

Date of Issuance: December 31, 1975

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-456

BRAIDWOOD STATION, UNIT NO. 1

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Braidwood Station. Unit No. 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;

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- 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board. dated January 8, 1975. October 29, 1975 and December 31, 1975. the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at a core power level of 3411 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 Braidwood Station, Unit No. 1. will be located on the Applicant's site in Will County, Illinois.

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- 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 November 1, 1980, and the latest date for completion is November 1, 1982.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Braidwood, in Will County, Illinois.
 - 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. The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, 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, with the exception that burning of landscape waste from site clearing is permitted in accordance with Illinois State law;

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- (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) 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. Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the staff.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

Original signed by 2. 6. DeYoung

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COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-456

BRAIDWOOD STATION, UNIT NO. 1

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Braidwood Station, Unit No. 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;

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- 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 and other 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 of the Commission's regulations and all applicable requirements have been satisfied.
- 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 Decisions of the Atomic Safety and Licensing Board, dated January 8, 1975, October 29, 1975 and December , 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at hegae 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 Braidwood Station, Unit No. 1, will be located on the Applicant's site in Will County, Illinois.

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- 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 November 1, 1980, and the latest date for completion is November 1, 1982.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Braidwood, in Will County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Company for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.

And $ne\omega \notin$ E. This facility is subject to the following conditions for the protection of the environment:

(1) The Applicant shall take the necessary mitigating action, including those summarized in Section of the Final Environmental Statement, during construction of the Station and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities, with the exception that burning of landscape waste from site clearing is permitted in accordance with Illinois State law;

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- (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) 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, Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the Staff.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

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FOR THE NUCLEAR REGULATORY COMMISSION

UNITED STATES

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-456

BRAIDWOOD STATION, UNIT NO. 1

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Braidwood Station, Unit No. 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 and other 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 of the Commission's regulations and all applicable requirements 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 January 8, 1975, October 29, 1975 and December , 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at 3425 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 Braidwood Station, Unit No. 1, will be located on the Applicant's site in Will County, Illinois.

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- 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 October 1, 19801-979, and the latest date for completion is March 1, 1961.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Braidwood, in Will County, Illinois,
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Company for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, including those summarized in Section 4 of the Final Environmental Statement, during construction of the Station and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities;

with the exception that burning of landscape waste from site clearing is permitted in accordance with Illinois State law

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- (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) 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, Division of Reactor Licensing,
- (4) If unexpected harmful effects or evidence of irreversible damage is 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) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

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Division of Reactor Licensing
Office of Nuclear Reactor Regulation RSBoyd

Date of Issuance: 12/ /75

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

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-457

BRAIDWOOD STATION, UNIT NO. 2

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Braidwood Station, Unit No. 2 (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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board, dated January 8, 1975, October 29, 1975 and December 31, 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at a core power level of 3411 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 Braidwood Station, Unit No. 2, will be located on the Applicant's site in Will County, Illinois.

- 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 November 1, 1981, and the latest date for completion is November 1, 1983.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Braidwood, in Will County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, 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, with the exception that burning of landscape waste from site clearing is permitted in accordance with Illinois State law:

- (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) 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, Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the staff.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

R. S. Boyd, Acting Director Division of Reactor Licensing

Office of Nuclear Reactor Regulation

Date of Issuance: December 31, 1975

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-457

BRAIDWOOD STATION, UNIT NO. 2

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Braidwood Station, Unit No. 2 (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 <u>env</u> 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;

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- 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board. dated January 8, 1975, October 29, 1975 and December 31, 1975. the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at a core power level of 3411 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 Braidwood Station, Unit No. 2, will be located on the Applicant's site in Will County, Illinois.

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- 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 November 1, 1981, and the latest date for completion is November 1, 1983.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Braidwood, in Will County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units 1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, 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, with the exception that burning of landscape waste from site clearing is permitted in accordance with Illinois State law:

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- (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) 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. Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report. with amendments. the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed, with modifications as may be approved by the staff.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

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COMMONWEALTH EDISON COMPANY

DOCKET NO. SIN 50-457

BRAIDWOOD STATION, UNIT NO. 2

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Braidwood Station, Unit No. 2 (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;

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- 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;
- If. 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board, dated January 8, 1975, October 29, 1975 and December , 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at 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 Braidwood Station, Unit No. 2, will be located on the Applicant's site in Will County, Illinois.

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- 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 November 1, 1981, and the latest date for completion is November 1, 1983.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Braidwood, in Will County, Illinois.
 - 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. The Applicant is subject to the following antitrust condition:
 The Applicant will afford an opportunity to participate in the
 LaSalle County Station, Units 1 and 2, for the term of the license,
 or any extension or renewal thereof, to those municipal electric
 systems which have indicated an interest in such participation
 by December 31, 1973, through a reasonable ownership interest
 in such unit(s) or through contractual purchases of unit power
 subject to reasonable terms and conditions and on a basis that
 will fully compensate the Applicant for its costs (including
 a reasonable return on investment). Such opportunity to participate
 shall include arrangements for reasonable reserve protection and
 associated transmission service, by the Applicant, on a basis
 that will fully compensate the terms of its costs (including
 a reasonable return on investment). The municipal systems
 must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
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 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating action, including those summarized in Section 4 of the Final Environmental Statement, during construction of the Station and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities, with the exception that burning of landscape waste from site clearing is permitted in accordance with Illinois State law;

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- (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) 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, Division of Reactor Licensing;
- (4) If unexpected harmful effects or evidence of irreversible damage is 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; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed. With modifications as may be approved by the staff.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes 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.

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

COMMONWEALTH EDISON COMPANY

DOCKET NO. STN 50-457

BRAIDWOOD STATION, UNIT NO. 2

CONSTRUCTION PERMIT

- 1. The Nuclear Regulatory 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 Commonwealth Edison Company (the Applicant) has described the proposed design of the Braidwood Station, Unit No. 2 (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 CFP 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 and other 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 of the Commission's regulations and all applicable requirements 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 Decisions of the Atomic Safety and Licensing Board, dated January 8, 1975, October 29, 1975 and December , 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to the Applicant for a utilization facility designed to operate at 3425 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 Braidwood Station, Unit No. 2, will be located on the Applicant's site in Will County, Illinois.

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- 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 October 1, 1980, and the latest date for completion is October 1, 1983.
 - B. The facility shall be constructed and located at the site as described in the application, in North Central Illinois, near the town of Braidwood, in Will County, Illinois.
 - 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.
 - The Applicant is subject to the following antitrust condition: The Applicant will afford an opportunity to participate in the LaSalle County Station, Units/1 and 2, for the term of the license, or any extension or renewal thereof, to those municipal electric systems which have indicated an interest in such participation by December 31, 1973, through a reasonable ownership interest in such unit(s) or through contractual purchases of unit power subject to reasonable terms and conditions and on a basis that will fully compensate the Applicant for its costs (including a reasonable return on investment). Such opportunity to participate shall include arrangements for reasonable reserve protection and associated transmission service by the Applicant, on a basis that will fully compensate the Company for its costs (including a reasonable return on investment). The municipal systems must enter into executory agreements to accomplish the foregoing no later than December 31, 1974.
 - E. This facility is subject to the following conditions for the protection of the environment:
- The Applicant shall take the necessary mitigating action, including those summarized in Section 4 of the Final Environmental Statement, during construction of the Station and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities;

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- A control program shall be established by the Applicant to (2) 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) Refore 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. Division of Reactor Licensing;
- (4)If unexpected harmful effects or evidence of irreversible damage is 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; And
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the staff recommendations included in Section 6.1 of the Final Environmental Statement shall be followed.
- 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 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes an indemnity agreement as required by Section 170 of the Act.
- This permit is effective as of its date of issuance and shall expire on the latest completion date indicated in paragraph 3.A above.

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UNITED STATES NUCLEAR PEGULATORY COMMISSION

DOCKET NOS. STN 50-454, STN 50-455, STN 50-456 AND STN 50-457 COMMONWEALTH EDISON COMPANY

BYRON STATION, UNITS 1 AND 2 AND BRAIDWOOD STATION, UNITS 1 AND 2 NOTICE OF ISSUANCE OF CONSTRUCTION PERMITS

Notice is hereby given that, pursuant to the Initial Decisions of the Atomic Safety and Licensing Board, dated December 6, 1974, January 8, 1975, October 29, 1975, and December 31, 1975, the Nuclear Regulatory Commission (the Commission) has issued Construction Permits Nos. CPPR-130, CPPR-131, CPPR-132, and CPPR-133 to the Commonwealth Edison Company for construction of four pressurized water nuclear reactors. The proposed reactors, known as the Byron Station, Units 1 and 2, and the Braidwood Station, Units 1 and 2, are each designed for a rated power of 3411 megawatts thermal with a net electrical output of 1120 megawatts. The Byron Station is located in Cgle County, Illinois, and the Braidwood Station is located in Will County, Illinois.

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

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

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'The construction permits are effective as of their date of issuance. The completion dates for the facilities are as follows:

	Earliest	Latest
Byron 1	May 1, 1980	June 1, 1982
Pyron 2	November 1, 1981	November 1, 1983
Braidwood 1	November 1, 1980	November 1, 1982
Braidwood 2	November 11, 1981	November 1, 1983

Each permit shall expire on the latest date for completion of the facility for which it is issued.

A copy of (1) the Initial Decisions, dated December 6, 1974, January 8, 1975, October 29, 1975, and December 31, 1975; (2) Construction Fermits Nos. CPPR-130, CPPR-131, CPPR-132, and CPPR-133; (3) the report of the Advisory Committee on Reactor Safeguards, dated May 13, 1975; (4) the Office of Nuclear Reactor Regulation's Safety Evaluation Report dated April 4, 1975, and Supplements 1 and 2 thereto dated August 1, 1975, and October 17, 1975, respectively; (5) the Preliminary Safety Analysis Report and amendments thereto; (6) the applicant's Environmental Reports. both dated September 1973 and supplements thereto; (7) the Draft Environmental Statement for the Byron Station dated February 1974; (8) the Draft Environmental Statement for the Braidwood Station dated April 1974: (9) the Final Environmental Statement for the Byron Station dated July 1974; and (10) the Final Environmental Statement for the Praidwood Station dated July 1974, are available for public inspection at the Commission's Public Document Room at 1717 H Street, N. W., Washington, D. C. In addition, the above documents are available at the Pyron Public Library, 3rd and

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201 South Kankakee Street, Wilmington, Illinois (the Local Public Document Room for the Braidwood Station). A copy of the construction permits and the Final Environmental Statements may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Reactor Licensing.

Copies of the Safety Evaluation Report and Supplements 1 and 2 thereto (Document No. NUREG-75/023) may be purchased, at current rates, from the National Technical Information Service, Springfield, Virginia 22161.

Dated at Bethesda, Maryland, this 31st day of December, 1975.

FOR THE NUCLEAR PEGULATORY COMMISSION

D. B. Vassallo, Chief Light Water Reactors Project Branch 1-1 Division of Reactor Licensing

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