

MAY 14 1974

Docket No. 50-277

Philadelphia Electric Company  
ATTN: Mr. J. L. Hankins  
Vice President, Electric Production  
2301 Market Street  
Philadelphia, Pa. 19101

Amendment No. 2  
Tech. Spec. Change No. 3  
License No. DPR-44

Gentlemen:

On May 9, 1974, Mr. W. T. Ullrick, Station Superintendent for the Peach Bottom Atomic Power Station telephoned a request for a temporary change in the Radiological Technical Specifications for the Peach Bottom Atomic Power Station, Unit 2. Documentation of this request was by a letter dated May 10, 1974, from the Philadelphia Electric Company. The requested temporary change to the Technical Specification involves increasing the permissible time which the reactor core isolation cooling (RCIC) system can be inoperable from 7 days to 11 days. This temporary change will permit repair and replacement of the outboard RCIC isolation valve motor operator to be performed during a scheduled power shutdown.

In the event an unscheduled shutdown of the reactor should occur before the scheduled shutdown during the week May 12-18, 1974, the repair of the RCIC valve motor operator will be accomplished during the shutdown. Based on our review, we conclude that (1) the requested temporary extension of the RCIC system inoperative time from 7 days per the Technical Specification 3.5.D.2 to 11 days to coincide with a scheduled shutdown, does not involve a significant hazards consideration; and (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation of the Peach Bottom Atomic Power Station, Unit 2 during the additional four days' time period with the RCIC system inoperable. Accordingly, the temporary change from 7 days to 11 days in the Technical Specification 3.5.D.2 is granted. This temporary change will expire at 11:59 pm, May 20, 1974.

Sincerely,

Original Signed by  
R. C. DeYoung

R. C. DeYoung, Assistant Director  
for Light Water Reactors Group 1  
Directorate of Licensing

Enclosures:

1. Safety Evaluation
2. Federal Register Notice
3. Amendment No. 2 - DPR-44

APP.

OFFICE➤						
SURNAME➤						
DATE➤						

MAY 14 1974

Philadelphia Electric Company

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Distribution:

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MAY 13 1974

SAFETY EVALUATION BY THE DIRECTORATE OF LICENSING

SUPPORTING AMENDMENT NO. 2 TO DPR-44

(CHANGE NO. 3 TO APPENDIX A OF TECHNICAL SPECIFICATIONS)

PHILADELPHIA ELECTRIC COMPANY

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION, UNIT 2

DOCKET NO. 50-277

Introduction

On May 9, 1974 the Station Superintendent of the Peach Bottom Atomic Power Station requested by telephone a change in the allowable time for continued power operation with the reactor core isolation cooling system (RCICS) inoperable from the seven days permitted by technical specification 3.5.D.2 to eleven days. This request for a technical specification change was documented in a letter from the Philadelphia Electric Company dated May 10, 1974.

The RCICS outboard steam isolation valve motor operator failed on May 7, 1974 during a surveillance test. This outboard valve is failed in closed position which is in the safe direction and will assure isolation of this RCICS in the event of a loss-of-coolant accident. The failed valve is located in the main steam line tunnel where the radiation level is approximately 1R/hr at the present operating power of Unit 2, which is approximately 80% of rated power. Unit 2 is currently performing a fuel preconditioning program. The Philadelphia Electric Company is requesting

the increase in the 7 days allowable inoperable time for the RCICS to 11 days to permit continuing the fuel preconditioning program until May 18, 1974 at which time the reactor is scheduled to be shut down to permit AEC operator examinations on reactor start ups to be accomplished.

### Discussion

The RCICS is not an engineered safety feature. This system can deliver at least 600 gpm to the primary coolant system for a reactor pressure of 1000 to 150 psig. The RCIC system provides make up cooling water to primary system when the primary coolant system is isolated and the reactor is being held at hot standby condition or is being cooled down to cold condition. This system is used when the primary system main steam line isolation valves are closed. The high pressure injection cooling system (HPICCS) can perform the same function as the RCICS. Additional back up to the RCICS function is provided by the residual heat removal system (RHRS) used in conjunction with the automatic depressurization system (ADS).

Based on our review of the systems available to perform the same function as the RCICS we conclude there is adequate margin, with the RCICS inoperative and sufficient core cooling is provided during periods when RCICS would be required. Operation without the RCICS was reviewed and found acceptable during the Operating License review by the AEC.

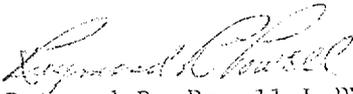
Increasing the RCICS inoperative time allowed during reactor operation from seven days to eleven days will not significantly affect the reliability to assure adequate core cooling.

The valve operator from Unit 3 will be used to replace the failed Unit 2 valve operator. The repair, replacement and testing of the Unit 2 valve operator is estimated to require between 16 to 24 hours.

In the event the Unit 2 reactor has an unscheduled shutdown before May 14, 1974 the RCICS isolation valve motor operator will be replaced at that time.

Based on our review, we find that the proposed temporary change to Technical Specification 3.5.D.2 increasing the RCICS allowable inoperative time from 7 days to 11 days, does not involve a safety consideration of a type or magnitude not considered by any previous staff safety review of that facility, does not substantially increase the probability or consequences of an accident considered in any previous staff safety review or result in a substantial decrease in the margin of safety during normal plant operation, anticipated operational occurrences or postulated accidents considered in previous staff safety review. We conclude that this change to the Peach Bottom Atomic Power Station, Unit 2 Technical Specifications does not involve significant hazards consideration and that there is

reasonable assurance that the health and safety of the public will not be endangered by operation of the Peach Bottom Unit 2 in accordance with this change.

  
Raymond R. Powell L-PM  
LWR 1-2

  
Walter R. Butler, Chief  
LWR 1-2

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-277

PHILADELPHIA ELECTRIC COMPANY

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

NOTICE OF ISSUANCE OF FACILITY LICENSE AMENDMENT

Notice is hereby given that the U. S. Atomic Energy Commission (the Commission) has issued Amendment No. 2 to the Facility Operating License No. DPR-44 issued to Philadelphia Electric Company, Public Service Electric and Gas Company, Delmarva Power and Light Company and Atlantic City Electric Company, which revised certain Technical Specifications for operation of the Peach Bottom Atomic Power Station, Unit 2, located in York County, Pennsylvania on the western shore of the Conowingo Pond. This amendment is effective as of its date of issuance and remains in effect through May 20, 1974.

The amendment permits a temporary change of the allowable time which the reactor core isolation cooling system can remain inoperable while reactor power operation is continued.

The application for the amendment complies with the standards and requirements of the Act and the Commission's rules and regulations and 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 1, which are set forth in the license amendment.

For further details with respect to this action, see (1) the application for amendment dated May 10, 1974, (2) Amendment No. 2 to the License No. DPR-44, with attachments, and (3) the Commission's related Safety Evaluation, dated May 13, 1974. All of these are available for public inspection at the Commission's Public Document Room, 1717 'H' Street, NW, Washington, D. C. and at the Martin Memorial Library, 159 E. Market Street, York, Pennsylvania 17401.

A copy of items (2) and (3) may be obtained upon request addressed to the United States Atomic Energy Commission, Washington, D. C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing - Regulation.

Dated at Bethesda, Maryland this 13<sup>th</sup> day of May, 1974.

FOR THE ATOMIC ENERGY COMMISSION



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



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

PHILADELPHIA ELECTRIC COMPANY  
PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
DELMARVA POWER AND LIGHT COMPANY  
ATLANTIC CITY ELECTRIC COMPANY  
DOCKET NO. 50-277  
AMENDMENT TO FACILITY OPERATING LICENSE

AMENDMENT NO. 2  
LICENSE NO. DPR-44

1. The Atomic Energy Commission (the Commission) having found that:
  - A. The application for amendment by the Philadelphia Electric Company, Public Service Electric and Gas Company, Delmarva Power and Light Company, and Atlantic City Electric Company (the licensees) dated May 10, 1974, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations set forth in 10 CFR Chapter 1;
  - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public;
  - E. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.

2. Accordingly, Facility Operating License No. DPR-44 issued to the Philadelphia Electric Company, Public Service Electric and Gas Company, Delmarva Power and Light Company, and Atlantic City Electric Company is hereby amended by the addition of technical specification 3.5.D.2.a to read as follows:

3.5.D.2.a Reactor Core Isolation Cooling (RCIC) Subsystem

"From and after the date that the RCICS is made or found to be inoperable for any reason, continued reactor power operation is permissible only during the succeeding eleven days and not later than May 20, 1974, provided that during such period the HPCIS is operable."

This amendment is effective as of the date of issuance and remains in effect through May 20, 1974.

FOR THE ATOMIC ENERGY COMMISSION



R. C. DeYoung, Assistant Director  
for Light Water Reactors Group 1  
Directorate of Licensing

Date of Issuance: MAY 14 1974