

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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-10

DRESDEN NUCLEAR POWER STATION UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 23
License No. DPR-2

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by the Commonwealth Edison Company (the licensee) dated July 8, 1977, as supplemented by filings dated November 11, 15, 28 and December 14, 1977, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The request for extension of the August 21, 1975 Exemption dated July 8, 1977, as supplemented by filings of November 11, 15, 28 and December 14, 1977, is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest.
 - C. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - D. 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;
 - E. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - F. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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2. Accordingly, Facility License No. DPR-2 is hereby amended as indicated below:

- A. Replace paragraph 2.C(3) that was added by the June 23, 1976 Commission's Order for Modification of License with the following:

2.C(3) Licensee Commitments Related to IEEE-279 - 1968:

Commonwealth Edison shall complete the modifications identified in their June 30, 1975 letter (B. B. Stephenson, CECO to J. G. Keppler, NRC) and their January 12, 1976 letter (R. L. Bolger, CECO to the Director of Nuclear Reactor Regulation, NRC) prior to returning Dresden Nuclear Power Station Unit No. 1 to service following the November 1978 outage to decontaminate the primary cooling system. This outage is presently scheduled to begin in November 1978. Dresden Unit No. 1 shall not be operated after October 31, 1978 unless these modifications have been completed.

- B. Replace Paragraph 2.C(4) with the following:

2.C(4) Exemption from 10 CFR 50.46, Appendix A:

- (1) As requested, exemption is granted from the requirements of 10 CFR 50.46 with respect to the design and diversity of emergency systems and the diversity of emergency power sources, but not from the specific performance requirements of the FAC.
- (2). Commonwealth Edison shall comply with such conditions now in effect or which may hereafter be imposed by the Director of Nuclear Reactor Regulation relating to inspection, testing, or operating of the Dresden ECCS.
- (3). Commonwealth Edison shall exert its best efforts to complete the proposed ECCS modifications at the earliest possible date.
- (4). The exemption shall expire on October 31, 1978.

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- C. Add the following items, 2.C(5) and 2.C(6) which add interim license conditions and surveillance requirements required by the Regulatory Staff:

2.C(5) Interim License Conditions:

Commonwealth Edison shall not operate Dresden Station Unit No. 1 after December 31, 1977 unless the following conditions are satisfied:

- (1). Motor operated valve IVO 130 shall be electrically disabled in the full open position.
- (2). An operating procedure shall require the operator to determine the feedwater control valve position following a LOCA and to open bypass valve IVO 50 if the control valve has failed closed.
- (3). Install and utilize a 345/138 KV transformer connecting the Dresden Unit No. 1 138 KV system with the Dresden Units Nos. 2 and 3 345 KV system.
- (4). Install and maintain in place, a flexible hose connection between the Dresden 1 fire pump and the suction to the core spray system.
- (5). The Dresden Unit No. 1 station batteries shall be restrained to withstand potential seismic loads.
- (6). Electrical Motor Control Cabinets containing controls for essential or backup ECCS equipment shall be restrained for potential seismic loads.
- (7). The backup diesel generator and associated feedwater pump and condensate pump shall be operable or the reactor shall be placed in hot shutdown within 24 hours.
- (8). Five smoke detectors shall be installed and operable in the cable tunnel. These detectors shall alarm in the control room and the reactor shall be scrammed immediately if the smoke detector alarm is automatically actuated by fire or smoke.
- (9). The existing reactor protection system surveillance procedure shall be modified to require that the RPS functional capability be verified weekly at the test solenoid fuse cabinet in the containment rather than from the control room.

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- (10). An hourly inspection of the scram solenoid circuit between the reactor control room and the containment shall be carried out until the scram solenoid circuit is modified to eliminate the potential of hot shorts in the scram solenoid circuit that can prevent a reactor scram. Replacement of the existing circuit with one contained in grounded conduit is an acceptable method to eliminate this potential.
- (11). Commonwealth Edison shall submit a monthly progress report to the Nuclear Regulatory Commission which indicates Commonwealth Edison's progress toward completion of their scheduled ECCS modifications and IEEE-279 and fire protection modifications including related activities which could affect these projects such as the decontamination program and construction of a new radwaste facility.

2.C(6) Surveillance Requirements:

- (1). The backup diesel generator shall be manually started and loaded once each month to demonstrate operational readiness. The test shall continue until both the diesel engine and the generator are at equilibrium conditions of temperature while full load output is maintained.
- (2). Every week the specific gravity and voltage of the back up diesel battery shall be measured.
- (3). Once a month the quantity of diesel fuel for the back up diesel shall be verified to be greater than 4500 gallons.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Victor Stello, Jr., Director
Division of Operating Reactors
Office of Nuclear Reactor Regulation

Date of Issuance: January 6, 1978

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