



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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-295

ZION STATION UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 66  
License No. DPR-39

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Commonwealth Edison Company (the licensee) dated March 4, 1977, as supplemented April 4, 1977 and July 12, 1979, 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 facility will operate in conformity with the application, 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; and
  - E. 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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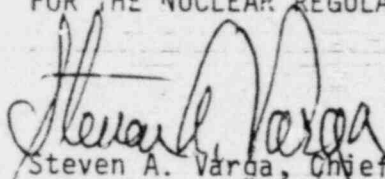
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-39 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 66, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION



Steven A. Varga, Chief  
Operating Reactors Branch No. 1  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: JUN 29 1981



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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-304

ZION STATION UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 63  
License No. DPR-48

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Commonwealth Edison Company (the licensee) dated March 4, 1977 as supplemented April 4, 1977 and July 12, 1979, 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 facility will operate in conformity with the application, 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; and
  - E. 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.

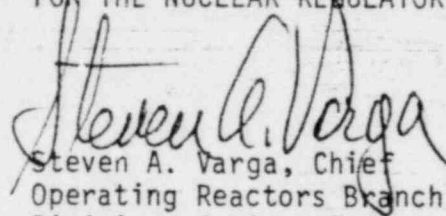
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-48 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 63, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION



Steven A. Varga, Chief  
Operating Reactors Branch No. 1  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: JUN 29 1981

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 66 TO FACILITY OPERATING LICENSE NO. DPR-39

AMENDMENT NO. 63 TO FACILITY OPERATING LICENSE NO. DPR-48

DUCKET NOS. 50-295 AND 50-304

Revise Appendix A as follows:

Remove Pages

232  
233

Insert Pages

232  
233

SURVEILLANCE EQUIPMENT

UNITED COLLECTION FOR COLLECTION

LIMITING CONDITION FOR OPERATION

- 3.12.1 C. During release of gaseous wastes, the following conditions shall be met:
1. The gross activity monitor, the iodine activity monitor and particulate activity monitor shall be operable (See Table 4.12-3).
  2. The minimum air flow for the ventilation systems shall be maintained. At least one 75,000 cfm exhaust fan shall be in operating during the discharge of the gas decay tanks.
  3. The automatic isolation valves capable of limiting gaseous release rates to within the values specified in 3.12.1.A above shall be operable (Gas decay tanks - ORCV-WG014 and Containment - AOV-RV0001, 2, 3 & 4).
  4. The gross and particulate activity of all gaseous wastes released to the environment shall be monitored and recorded. (See Tables 4.12-1 and 4.12-2). For effluent streams having continuous monitoring capability, the activity shall be monitored and recorded. The

SURVEILLANCE REQUIREMENT

- 4.12.1 C. Surveillance and testing for gaseous waste pathways shall be as follows:
1. Each day an installed radioactive check source will be used to check the operability of monitors specified in Table 4.12-3. Whenever a monitor is inoperable, the surveillance requirements of 4.12.1.B.2 apply.
  2. At least one auxiliary building exhaust fan shall be operating during gaseous discharges.
  3. The operation of the automatic isolation valves shall be functionally tested quarterly.
  4. Not Applicable.

LIMITING CONDITION FOR OPERATION

SURVEILLANCE REQUIREMENT

- 4.12.1.B.2. Gaseous effluent from each environmental release point shall be continuously monitored and recorded for noble gases to enable release rates of gross radioactivity to be determined on an hourly basis. These monitors shall be capable of providing measurements with a lower limit of detection (LLD) of  $10^{-6}$  uci/cc for noble gases. Gaseous effluent from each environmental release point shall be continuously sampled and recorded for particulates and iodine to enable release rates of radioactivity to be determined on a weekly basis. These samples shall be analyzed with a LLD of at least  $10^{-11}$  uci/cc for gross beta/gamma activities in particulates and iodine. Whenever the noble gas monitor is inoperable, grab samples shall be taken and analyzed daily; whenever the particulate and iodine sampling system is inoperable, auxiliary sampling equipment shall be employed to continuously sample the releases with samples being removed and analyzed at least once a week.
3. During power operation, the condenser air ejector discharge shall be continuously monitored for gross radioactivity. Whenever the monitor is in-operative, and the primary coolant gross activity or the unidentified leak rate increases by a factor of 2, grab samples shall be taken and analyzed for gross activity (beta-gamma) and the ratio of long-life) to short lived radioactivity determined at least 5 days/week.