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

DO NOT REMOVE

August 21, 1981

Docket Nos. 50-237  
50-249  
50-254  
and 50-265

Posted  
Amat. 74  
to DPR-29

Mr. L. O. DelGeorge  
Director of Nuclear Licensing  
Commonwealth Edison Company  
Post Office Box 767  
Chicago, Illinois 60690

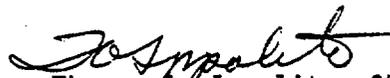
Dear Mr. DelGeorge:

The Commission has issued the enclosed Amendment No. 64 to Provisional Operating License No. DPR-19 for Dresden Station Unit No. 2 and Amendment Nos. 55, 74 and 67 to Facility Operating License Nos. DPR-25, DPR-29 and DPR-30 for Dresden Unit No. 3 and Quad Cities Station Unit Nos. 1 and 2, respectively. These amendments consist of changes to the Technical Specifications in response to your application dated September 18, 1980.

These changes modify the technical specifications to require the presence of a Shift Technical Advisor with specialized training in reactor technology related to emergency operations. This letter supplements our February 6, 1981 letter which states that your proposed changes with respect to the STA requirements are under staff review.

Copies of our Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

  
Thomas A. Ippolito, Chief  
Operating Reactors Branch #2  
Division of Licensing

Enclosures:

1. Amendment No. 64 to DPR-19
2. Amendment No. 55 to DPR-25
3. Amendment No. 74 to DPR-29
4. Amendment No. 67 to DPR-30
5. Safety Evaluation
6. Notice

cc w/encl:  
See next page

Mr. L. DelGeorge

cc:

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Plant Superintendent  
Quad Cities Nuclear Power Station  
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5th Floor  
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Rock Island County Court House  
Rock Island, Illinois 61201

U. S. Environmental Protection Agency  
Federal Activities Branch  
Region Office  
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The Honorable Tom Corcoran  
United States House of Representatives  
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Mr. William Waters  
Chairman, Board of Supervisors  
of Grundy County  
Grundy County Courthouse  
Morris, Illinois 60450

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Morris Public Library  
604 Liberty Street  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-237

DRESDEN STATION UNIT NO. 2

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 64  
License No. DPR-19

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Commonwealth Edison Company (the licensee) dated September 18, 1980, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 3.B of Provisional Operating License No. DPR-19 is hereby amended to read as follows:

3.B Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No.64 , 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

  
Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: August 21, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 64  
PROVISIONAL OPERATING LICENSE NO. DPR-19  
DOCKET NO. 50-237

Revise the Appendix "A" Technical Specifications as follows:

<u>Remove</u>	<u>Replace</u>
158	158
161	161

## 6.0 ADMINISTRATIVE CONTROLS

### 6.1 Organization, Review, Investigation and Audit

- A. The Station Superintendent shall have overall full-time responsibility for safe operation of the facility. During periods when the Station Superintendent is unavailable, he shall designate this responsibility to an established alternate who satisfies the ANSI N18.1 experience requirements for plant manager.
- B. The corporate management which relates to the operation of this station is shown in Figure 6.1.1.
- C. The normal functional organization for operation of the station shall be as shown in Figure 6.1.2. The shift manning for the station shall be as shown in Table 6.1.1.
- D. Qualifications of the station management and operating staff shall meet minimum acceptable levels as described in ANSI N18.1, "Selection and Training of Nuclear Power Plant Personnel," dated March 8, 1971 with the exception of the Radiological Chemical Supervisor who shall meet or exceed the qualifications of Regulatory Guide 1.8, September, 1975 and \* the Shift Technical Advisor who shall have a bachelor's degree or equivalent in a scientific or engineering discipline with specific training in plant design, and response and analysis of the plant for transients and accidents. The individual filling the position of Administrative Assistant shall meet the minimum acceptable level for "Technical Manager" as described in 4.2.4 of ANSI N18.1 - 1971.

A fire brigade of at least 5 members shall be maintained on-site at all times. This excludes the shift crew necessary for safe shutdown of the plant and any personnel required for essential functions during a fire emergency.

- E. Retraining and replacement training of Station personnel shall be in accordance with ANSI N18.1, "Selection and Training of Nuclear Power Plant Personnel," dated March 8, 1971.

A training program for the fire brigade shall be maintained under the direction of the Operating Engineer and shall meet or exceed the requirements of Section 27 of the NFPA Code - 1975, except for fire brigade training sessions which shall be held at least quarterly.

- F. Retraining shall be conducted at intervals not exceeding two years.
- G. The Review and Investigative Function and the Audit Function of activities affecting quality during facility operations shall be constituted and have the responsibilities and authorities outlined below:
1. The Supervisor of the Offsite Review and Investigative Function shall be appointed by the Vice President of Construction, Production, Licensing, and Environmental Affairs. The Audit Function shall be the responsibility of the Manager of Quality Assurance and shall be independent of operations.

#### a. Offsite Review and Investigative Function

The Supervisor of the Offsite Review and Investigative Function shall: (i) provide directions for the review and investigative function and appoint a senior participant to provide appropriate direction, (ii) select each participant for this function, (iii) select a complement of more than one participant who collectively possess background and qualifications in the subject matter under review to provide

DPR-19  
TABLE 6.1.1

MINIMUM SHIFT MANNING CHART#

CONDITION OF ONE UNIT	CONDITION OF		NO. OF MEN IN EACH POSITION				
	SECOND UNIT	THIRD UNIT	LSO*	STA	LO*	NON-LIC.	RAD MEN
COLD SHUTDOWN	Cold Shutdown	Cold Shutdown	1*	0	3	5	1
	Cold Shutdown	Refuel	1**	0	3	5	1
	Cold Shutdown	Above Cold Shutdown	1	1	3	5	1
	Refuel	Refuel	2**	0	3	5	1
	Refuel	Above Cold Shutdown	2	1	3	5	1
	Above Cold Shutdown	Above Cold Shutdown	2	1	3	5	1
REFUEL	Refuel	Refuel	2	0	4	5	1
	Refuel	Above Cold Shutdown	2	1	4	5	1
	Above Cold Shutdown	Above Cold Shutdown	2	1	4	5	1
ABOVE COLD SHUTDOWN	Above Cold Shutdown	Above Cold Shutdown	3	1	4	5	1

STA - Shift Technical Advisor

LSO - Licensed Senior Operator

LO - Licensed Operator

NON-LIC. - Equipment Operators and Equipment Attendants

RAD MEN - Radiation Protection Men

\* - Shall not operate units on which they are not licensed.

\*\* - Does not include the licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling, supervising CORE OPERATIONS.

# - Shift crew composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements of Table 6.2.2-1.



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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-249

DRESDEN STATION UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 55  
License No. DPR-25

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Commonwealth Edison Company (the licensee) dated September 18, 1980, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 3.B of Facility License No. DPR-25 is hereby amended to read as follows:
  - 3.B The Technical Specifications contained in Appendix A, as revised through Amendment No. 55, 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

  
Thomas A. Ippolito, Chief  
Operating Reactors Branch #2  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: August 21, 1981

ATTACHMENT TO LICENSE AMENDMENT NO.55

FACILITY OPERATING LICENSE NO. DPR-25

DOCKET NO. 50-249

Revise the Appendix "A" Technical Specifications as follows:

Remove

158  
161

Replace

158  
161

6.0 ADMINISTRATIVE CONTROLS

6.1 Organization, Review, Investigation and Audit

- A. The Station Superintendent shall have overall full-time responsibility for safe operation of the facility. During periods when the Station Superintendent is unavailable, he shall designate this responsibility to an established alternate who satisfies the ANSI N18.1 experience requirements for plant manager.
- B. The corporate management which relates to the operation of this station is shown in Figure 6.1.1.
- C. The normal functional organization for operation of the station shall be as shown in Figure 6.1.2. The shift manning for the station shall be as shown in Table 6.1.1.
- D. Qualifications of the station management and operating staff shall meet minimum acceptable levels as described in ANSI N18.1, "Selection and Training of Nuclear Power Plant Personnel," dated March 8, 1971 with the exception of the Radiological Chemical Supervisor

who shall meet or exceed the qualifications of Regulatory Guide 1.8, September, 1975, and \* the Shift Technical Advisor who shall have a bachelor's degree or equivalent in a scientific or engineering discipline with specific training in plant design, and response and analysis of the plant for transients and accidents. The individual filling the position of Administrative Assistant shall meet the minimum acceptable level for "Technical Manager" as described in 4.2.4 of ANSI N18.1 - 1971.

A fire brigade of at least 5 members shall be maintained on-site at all times. This excludes the shift crew necessary for safe shutdown of the plant and any personnel required for essential functions during a fire emergency.

- E. Retraining and replacement training of Station personnel shall be in accordance with ANSI N18.1, "Selection and Training of Nuclear Power Plant Personnel," dated March 8, 1971.

A training program for the fire brigade shall be maintained under the direction of the Operating Engineer and shall meet or exceed the requirements of Section 27 of the NFPA Code - 1975, except for fire brigade training sessions which shall be held at least quarterly.

- F. Retraining shall be conducted at intervals not exceeding two years.
- G. The Review and Investigative Function and the Audit Function of activities affecting quality during facility operations shall be constituted and have the responsibilities and authorities outlined below:
  - 1. The Supervisor of the Offsite Review and Investigative Function shall be appointed by the Vice President of Construction, Production, Licensing, and Environmental Affairs. The Audit Function shall be the responsibility of the Manager of Quality Assurance and shall be independent of operations.

a. Offsite Review and Investigative Function

The Supervisor of the Offsite Review and Investigative Function shall: (i) provide directions for the review and investigative function and appoint a senior participant to provide appropriate direction, (ii) select each participant for this function, (iii) select a complement of more than one participant who collectively possess background and qualifications in the subject matter under review to provide

DPR-25  
TABLE 6.1.1

MINIMUM SHIFT MANNING CHART#

CONDITION OF ONE UNIT	CONDITION OF		NO. OF MEN IN EACH POSITION				
	SECOND UNIT	THIRD UNIT	LSO*	STA	LO*	NON-LIC.	RAD MEN
COLD SHUTDOWN	Cold Shutdown	Cold Shutdown	1*	0	3	5	1
	Cold Shutdown	Refuel	1**	0	3	5	1
	Cold Shutdown	Above Cold Shutdown	1	1	3	5	1
	Refuel	Refuel	2**	0	3	5	1
	Refuel	Above Cold Shutdown	2	1	3	5	1
	Above Cold Shutdown	Above Cold Shutdown	2	1	3	5	1
REFUEL	Refuel	Refuel	2	0	4	5	1
	Refuel	Above Cold Shutdown	2	1	4	5	1
	Above Cold Shutdown	Above Cold Shutdown	2	1	4	5	1
ABOVE COLD SHUTDOWN	Above Cold Shutdown	Above Cold Shutdown	3	1	4	5	1

STA - Shift Technical Advisor

LSO - Licensed Senior Operator

LO - Licensed Operator

NON-LIC. - Equipment Operators and Equipment Attendants

RAD MEN - Radiation Protection Men

\* - Shall not operate units on which they are not licensed.

\*\* - Does not include the licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling, supervising CORE OPERATIONS.

# - Shift crew composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements of Table 6.2.2-1.



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

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

DOCKET NO. 50-254

QUAD CITIES UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 74  
License No. DPR-29

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Commonwealth Edison Company (the licensee) dated September 18, 1980, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 3.B of Facility License No. DPR-29 is hereby amended to read as follows:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 74, 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

  
Thomas A. Ippolito, Chief  
Operating Reactors Branch #2  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: August 21, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 74

FACILITY OPERATING LICENSE NO. DPR-29

DOCKET NO. 50-254

Revise the Appendix "A" Technical Specifications as follows:

Remove

6.1-1  
Figure 6.1-3

Replace

6.1-1  
Figure 6.1-3

QUAD CITIES

DPR-29

6.0 ADMINISTRATIVE CONTROLS

6.1 ORGANIZATION, REVIEW, INVESTIGATION, AND AUDIT

A. The Station Superintendent shall have overall full-time responsibility for safe operation of the facility. During periods when the Station Superintendent is unavailable, he shall designate this responsibility to an established alternate who satisfies the ANSI N18.1 of March 8, 1971 experience requirements for plant manager.

B. The corporate management which relates to the operation of this station is shown in Figure 6.1-1.

C. The normal functional organization for operation of the station shall be as shown in Figure 6.1-2. The shift manning for the station shall be shown in Figure 6.1-3. The individual filling the position of Administrative Assistant shall meet the minimum acceptable level for "Technical Manager" as described in Section 4.2.4 of ANSI N18.1-1971.

A fire brigade of at least 5 members shall be maintained on-site at all times. This excludes the shift crew necessary for safe shutdown of the plant, and any personnel required for other essential functions during a fire emergency.

D. Qualifications of the station management and operating staff shall meet minimum acceptable levels as described in ANSI N18.1, "Selection and Training of Nuclear Power Plant Personnel", dated March 8, 1971. The Rad/Chem Supervisor shall meet the requirements of radiation protection manager of Regulatory Guide 1.8. The Shift Technical Advisor shall have a bachelor's degree or equivalent in a scientific or engineering discipline with specific training in plant design, and response and analysis of the plant for transients and accidents.

E. Retraining and replacement training of Station personnel shall be in accordance with ANSI N18.1, "Selection and Training of Nuclear Power Plant Personnel", dated March 8, 1971.

A training program for the fire brigade shall be maintained under the direction of the Station Fire Marshal, and shall meet or exceed the requirements of Section 27 of the NFPA Code-1975 except that training sessions shall be at least quarterly.

F. Retraining shall be conducted at intervals not exceeding 2 years.

G. The Review and Investigative Function and the Audit Function of activities affecting quality during facility operations shall be constituted and have the responsibilities and authorities outlined below:

1. The Supervisor of the Offsite Review and Investigative Function shall be appointed by the Vice President of Construction, Production, Licensing and Environmental Affairs. The Audit Function shall be the responsibility of the Manager of Quality Assurance and shall be independent of operations.

a. Offsite Review and Investigative Function

The Supervisor of the Offsite Review and Investigative Function shall: (1) provide directions for the review and investigative function and appoint a senior participant to provide appropriate direction, (2) select each participant for this function, (3) select a complement of more than one participant who collectively possess background and qualifications in the subject matter under review to provide comprehensive interdisciplinary review coverage under this function, (4) independently review and approve the findings and recommendations developed by personnel performing the review and investigative function, (5) approve and report in a timely manner all findings of noncompliance with NRC requirements to the Station Superintendent, Division Manager Nuclear Stations, Manager of Quality Assurance, and the Vice President of Construction, Production, Licensing and Environmental Affairs. During periods when the Supervisor of Offsite Review and Investigative Function is unavailable, he shall designate this responsibility to an established alternate, who satisfies the formal training and experience requirements for the Supervisor of the Offsite Review and Investigative Function. The responsibilities of the personnel performing this function are stated below. The Offsite Review and Investigative Function shall review:

1) The safety evaluations for (1) changes to procedures, equipment, or systems as described in the safety analysis report and (2) tests or experiments completed under the provision of 10 CFR

MINIMUM SHIFT MANNING CHART\*

CONDITION OF ONE UNIT (No Fuel in Second Unit)			
License Category	Initial Fuel Loading or During Refueling	Cold Shutdown or Refueling Shutdown	Above Cold Shutdown
Senior Operator License	2	1	1
Operator License	2	1	2
Rad. Prot. Man	1	1	1
Non-Licensed	(As Required)	1	2
Shift Technical Advisor	None Required	None Required	1
CONDITION OF SECOND UNIT (One Unit at Hot Shutdown or at Power)			
License Category	Initial Fuel Loading or During Refueling	Cold Shutdown or Refueling Shutdown	Above Cold Shutdown
Senior* Operator License	2	2	2
Operator* License	3	2	3
Rad. Prot. Man	1	1	1
Non-Licensed	3+ (As Required)	3	4
Shift Technical Advisor	1	1	1
CONDITION OF SECOND UNIT (One Unit at Cold Shutdown or Refueling Shutdown)			
License Category	Initial Fuel Loading or During Refueling	Cold Shutdown or Refueling Shutdown	Above Cold Shutdown
Senior* Operator License	2	1	2
Operator* License	3	2	2
Rad. Prot. Man	1	1	1
Non-Licensed	3+ (As Required)	3	3
Shift Technical Advisor	None Required	None Required	1

\*Assumes each individual is licensed on each facility. During initial fuel loading or during refueling, one senior engineer (limited license) will supervise fuel handling.

# Shift crew composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements of Table 6.2.2-1.



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

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

DOCKET NO. 50-265

QUAD CITIES UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 67  
License No. DPR-30

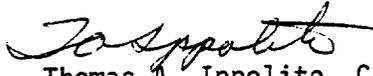
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Commonwealth Edison Company (the licensee) dated September 18, 1980, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 3.B of Facility License No. DPR-30 is hereby amended to read as follows:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 67, 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

  
Thomas A. Ippolito, Chief  
Operating Reactors Branch #2  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: August 21, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 67

FACILITY OPERATING LICENSE NO. DPR-30

DOCKET NO. 50-265

Revise the Appendix "A" Technical Specifications as follows:

Remove

6.1-1  
Figure 6.1-3

Replace

6.1-1  
Figure 6.1-3

6.0 ADMINISTRATIVE CONTROLS

6.1 ORGANIZATION, REVIEW, INVESTIGATION, AND AUDIT

A. The Station Superintendent shall have overall full-time responsibility for safe operation of the facility. During periods when the Station Superintendent is unavailable, he shall designate this responsibility to an established alternate who satisfies the ANSI N18.1 of March 8, 1971 experience requirements for plant manager.

B. The corporate management which relates to the operation of this station is shown in Figure 6.1-1.

C. The normal functional organization for operation of the station shall be as shown in Figure 6.1-2. The shift manning for the station shall be shown in Figure 6.1-3. The individual filling the position of Administrative Assistant shall meet the minimum acceptable level for "Technical Manager" as described in Section 4.2.4 of ANSI N18.1-1971.

A fire brigade of at least 5 members shall be maintained on-site at all times. This excludes the shift crew necessary for safe shutdown of the plant, and any personnel required for other essential functions during a fire emergency.

D. Qualifications of the station management and operating staff shall meet minimum acceptable levels as described in ANSI N18.1, "Selection and Training of Nuclear Power Plant Personnel", dated March 8, 1971. The Rad/Chem Supervisor shall meet the requirements of radiation protection manager of Regulatory Guide 1.8. The Shift Technical Advisor shall have a bachelor's degree or equivalent in a scientific or engineering discipline with specific training in plant design, and response and analysis of the plant for transients and accidents.

E. Retraining and replacement training of Station personnel shall be in accordance with ANSI N18.1, "Selection and Training of Nuclear Power Plant Personnel", dated March 8, 1971.

A training program for the fire brigade shall be maintained under the direction of the Station Fire Marshal, and shall meet or exceed the requirements of Section 27 of the NFPA Code-1975 except that training sessions shall be at least quarterly.

F. Retraining shall be conducted at intervals not exceeding 2 years.

G. The Review and Investigative Function and the Audit Function of activities affecting quality during facility operations shall be constituted and have the responsibilities and authorities outlined below:

1. The Supervisor of the Offsite Review and Investigative Function shall be appointed by the Vice President of Construction, Production, Licensing and Environmental Affairs. The Audit Function shall be the responsibility of the Manager of Quality Assurance and shall be independent of operations.

a. Offsite Review and Investigative Function

The Supervisor of the Offsite Review and Investigative Function shall: (1) provide directions for the review and investigative function and appoint a senior participant to provide appropriate direction, (2) select each participant for this function, (3) select a complement of more than one participant who collectively possess background and qualifications in the subject matter under review to provide comprehensive interdisciplinary review coverage under this function, (4) independently review and approve the findings and recommendations developed by personnel performing the review and investigative function, (5) approve and report in a timely manner all findings of noncompliance with NRC requirements to the Station Superintendent, Division Manager Nuclear Stations, Manager of Quality Assurance, and the Vice President of Construction, Production, Licensing and Environmental Affairs. During periods when the Supervisor of Offsite Review and Investigative Function is unavailable, he shall designate this responsibility to an established alternate, who satisfies the formal training and experience requirements for the Supervisor of the Offsite Review and Investigative Function. The responsibilities of the personnel performing this function are stated below. The Offsite Review and Investigative Function shall review:

1) The safety evaluations for (1) changes to procedures, equipment, or systems as described in the safety analysis report and (2) tests or experiments completed under the provision of 10 CFR

QUAD-CITIES  
DPR-30

MINIMUM SHIFT MANNING CHART#

CONDITION OF ONE UNIT (No Fuel in Second Unit)			
License Category	Initial Fuel Loading or During Refueling	Cold Shutdown or Refueling Shutdown	Above Cold Shutdown
Senior Operator License	2	1	1
Operator License	2	1	2
Rad. Prot. Man	1	1	1
Non-Licensed	(As Required)	1	2
Shift Technical Advisor	None Required	None Required	1
CONDITION OF SECOND UNIT (One Unit at Hot Shutdown or at Power)			
License Category	Initial Fuel Loading or During Refueling	Cold Shutdown or Refueling Shutdown	Above Cold Shutdown
Senior* Operator License	2	2	2
Operator* License	3	2	3
Rad. Prot. Man	1	1	1
Non-Licensed	3+ (As Required)	3*	4
Shift Technical Advisor	1	1	1
CONDITION OF SECOND UNIT (One Unit at Cold Shutdown or Refueling Shutdown)			
License Category	Initial Fuel Loading or During Refueling	Cold Shutdown or Refueling Shutdown	Above Cold Shutdown
Senior* Operator License	2	1	2
Operator* License	3	2	2
Rad. Prot. Man	1	1	1
Non-Licensed	3+ (As Required)	3	3
Shift Technical Advisor	None Required	None Required	1

\*Assumes each individual is licensed on each facility. During initial fuel loading or during refueling, one senior engineer (limited license) will supervise fuel handling.

# Shift crew composition may be less than the minimum requirements for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements of Table 6.2.2-1.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 64 TO PROVISIONAL OPERATING LICENSE NO. DPR-19  
AMENDMENT NO. 55 TO FACILITY OPERATING LICENSE NO. DPR-25, AND  
AMENDMENT NO. 74 TO FACILITY OPERATING LICENSE NO. DPR-29, AND  
AMENDMENT NO. 67 TO FACILITY OPERATING LICENSE NO. DPR-30

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

DRESDEN STATION UNIT NO. 2

DRESDEN STATION UNIT NO. 3

QUAD CITIES STATION UNIT NO. 1

QUAD CITIES STATION UNIT NO. 2

DOCKET NOS. 50-237, 50-249, 50-254, 50-265

I. INTRODUCTION

By letter dated September 18, 1980, Commonwealth Edison Company (CECo, the licensee) proposed amendments to Appendix A, Technical Specifications for Operating License Nos. DPR-19, DPR-25, DPR-29 and DPR-30 for Dresden Unit Nos. 2 and 3 and Quad Cities Unit Nos. 1 and 2, respectively. The amendments involve the incorporation of certain of the TMI-2 Lessons Learned Category "A" requirements. The licensee's request is in direct response to the NRC staff's letter dated July 2, 1980.

II. BACKGROUND INFORMATION

By our letter dated February 6, 1981, we issued Amendment Nos. 55, 48, 62 and 56 for Dresden Units 2 and 3 and Quad Cities Units 1 and 2, respectively. The changes incorporated certain of the TMI-2 Lessons Learned Category "A" requirements. Your proposed technical specifications concerning the Shift Technical Advisor (STA) were not included in those amendments since they were still under staff review. After further review by the staff supplemented with changes to the proposed technical specifications as agreed to by Mr. Rausch of your staff, we have completed our review concerning Lessons Learned Category "A" STA requirements.

### III. EVALUATION

#### Shift Technical Advisor (STA)

Our request indicated that the technical specifications related to minimum shift manning should be revised to reflect the augmentation of an STA. The licensee's applications would add one STA to each shift to perform the function of accident assessment. The individual performing this function will have at least a bachelor's degree or equivalent in a scientific or engineering discipline with special training in plant design, and response and analysis of the plant for transients and accidents.

Based on our review, we find the licensee's submittal to satisfy our requirements and is acceptable.

### IV. ENVIRONMENTAL CONSIDERATIONS

We have determined that the amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

### V. CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the amendments do not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: August 21, 1981

UNITED STATES NUCLEAR REGULATORY COMMISSION  
DOCKET NOS. 50-237, 50-249, 50-254 AND 50-265

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO

OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 64 to Provisional Operating License No. DPR-19, and Amendment No. 55 to Facility Operating License No. DPR-25, issued to Commonwealth Edison Company, which revised the Technical Specifications for operation of the Dresden Nuclear Power Station, Unit Nos. 2 and 3, located in Grundy County, Illinois. The Commission has also issued Amendment Nos. 74 and 67 to Facility Operating License Nos. DPR-29 and DPR-30, issued to Commonwealth Edison and Iowa-Illinois Gas and Electric Company, which revised the Technical Specifications for operation of the Quad Cities Nuclear Power Station, Unit Nos. 1 and 2, located in Rock Island County, Illinois. The amendments are effective as of the date of issuance.

The changes to the Technical Specifications involve incorporation of certain of the TMI-2 Lessons Learned Category "A" requirements. These changes impose the requirement that a Shift Technical Advisor with specialized training in reactor technology be present during reactor power operation.

The application for the amendments complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendments. Prior public notice of these amendments was not required since the amendments do not involve a significant hazards consideration.

The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR Section §1.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments.

For further details with respect to this action, see (1) the application for amendments dated September 18, 1980, (2) Amendment No. 64 to License No. DPR-19, Amendment No. 55 to License No. DPR-25, Amendment No. 74 to License No. DPR-29 and Amendment No. 67 to License No. DPR-30, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, NW., Washington, D.C., and at the Morris Public Library, 604 Liberty Street, Morris, Illinois, for Dresden 2 and 3 at the Moline Public Library, 504-17th Street, Moline, Illinois, for Quad Cities 1 and 2. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 21st day of August 1981.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Thomas A. Ippolito, Chief  
Operating Reactors Branch #2  
Division of Licensing