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Docket No. 50-255

AUG 2 1 1980

Mr. David P. Hoffman
Nuclear Licensing Administrator
Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

Dear Mr. Hoffman:

The Commission has issued the enclosed Amendment No. 61 to Provisional Operating License No. DPR-20 for the Palisades Plant. The amendment consists of changes to the Appendix A Technical Specifications in response to your applications dated January 31 and February 1, 1980.

This amendment: (1) incorporates into the Technical Specifications, limiting conditions for operation and surveillance requirements for new fire protection equipment being added to the plant (in accordance with License Amendment No. 42) and (2) authorizes a change in the requirements for the minimum fire brigade shift size. Note that this amendment is effective within 60 days of the date of its issuance.

In reviewing your application it was found that certain changes to your proposed Technical Specifications were required. We and your staff have discussed and mutually agreed upon these changes.

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

Sincerely,

Dennis M. Crutchfield

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

Enclosures:
1. Amendment No. 61 to
   License No. DPR-20
2. Safety Evaluation
3. Notice

cc w/enclosures:
See next page

See p.4 sec 4.0 of SER → FR notice form only - By the way, what is the current assessment.

8010080578

*SEE PREVIOUS YELLOW FOR CONCURRENCE

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SURNAME	HSmith:cc		TWambach	DCrutchfield	GLainas	
DATE	7/29/80	8/1/80	8/ 1/80	8/18/80	8/21/80	8/ /80

Docket No. 50-255

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OI&E (5)	

Mr. David P. Hoffman
Nuclear Licensing Administrator
Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

Dear Mr. Hoffman:

The Commission has issued the enclosed Amendment No. to Provisional Operating License No. DPR-20 for the Palisades Plant. The amendment consists of changes to the Appendix A Technical Specifications in response to your applications dated January 31 and February 1, 1980.

This amendment: (1) incorporates into the Technical Specifications, limiting conditions for operation and surveillance requirements for new fire protection equipment being added to the plant (in accordance with License Amendment No. 42) and (2) authorizes a change in the requirements for the minimum fire brigade shift size. Note that this amendment is effective within 90 days of the date of its issuance.

In reviewing your application is was found that certain changes in the proposed Technical Specifications were required. We and your staff have discussed and mutually agreed upon these changes.

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

Sincerely,

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

Enclosures:
1. Amendment No. to License No. DPR-20
2. Safety Evaluation
3. Notice

cc w/enclosures:
See next page

H.Smith 7/29/80 8/1/80

OFFICE	DL: ORB #5	~~PSB~~ CEB	OELD	DL: ORB #5	DL: AD/SA	
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DATE	8/1/80	8/1/80	7/ /80	8/ /80	8/ /80	

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

Docket No. 50-255

August 21, 1980

Posted
Am-60 to
DPR-20

Mr. David P. Hoffman
Nuclear Licensing Administrator
Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

Dear Mr. Hoffman:

The Commission has issued the enclosed Amendment No. 60 to Provisional Operating License No. DPR-20 for the Palisades Plant. The amendment consists of changes to the Appendix A Technical Specifications in response to your applications dated January 31 and February 1, 1980.

This amendment: (1) incorporates into the Technical Specifications, limiting conditions for operation and surveillance requirements for new fire protection equipment being added to the plant (in accordance with License Amendment No. 42) and (2) authorizes a change in the requirements for the minimum fire brigade shift size. Note that this amendment is effective within 60 days of the date of its issuance.

In reviewing your application it was found that certain changes to your proposed Technical Specifications were required. We and your staff have discussed and mutually agreed upon these changes.

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

Sincerely,

Dennis M. Crutchfield

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

Enclosures:
1. Amendment No. 60 to
   License No. DPR-20
2. Safety Evaluation
3. Notice

cc w/enclosures:
See next page

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

August 21, 1980

Docket No. 50-255

Mr. David P. Hoffman
Nuclear Licensing Administrator
Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

Dear Mr. Hoffman:

The Commission has issued the enclosed Amendment No. 60 to Provisional Operating License No. DPR-20 for the Palisades Plant. The amendment consists of changes to the Appendix A Technical Specifications in response to your applications dated January 31 and February 1, 1980.

This amendment: (1) incorporates into the Technical Specifications, limiting conditions for operation and surveillance requirements for new fire protection equipment being added to the plant (in accordance with License Amendment No. 42) and (2) authorizes a change in the requirements for the minimum fire brigade shift size. Note that this amendment is effective within 60 days of the date of its issuance.

In reviewing your application it was found that certain changes to your proposed Technical Specifications were required. We and your staff have discussed and mutually agreed upon these changes.

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

Sincerely,

Dennis M. Crutchfield

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

Enclosures:
1. Amendment No. 60 to License No. DPR-20
2. Safety Evaluation
3. Notice

cc w/enclosures:
See next page

cc
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Suite 4200
One First National Plaza
Chicago, Illinois 60670

Mr. Paul A. Perry, Secretary
Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

Judd L. Bacon, Esquire
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Ms. Mary P. Sinclair
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Midland, Michigan 48640

Kalamazoo Public Library
315 South Rose Street
Kalamazoo, Michigan 49006

Township Supervisor
Covert Township
Route 1, Box 10
Van Buren County, Michigan 49043

*Office of the Governor (2)
Room 1 - Capitol Building
Lansing, Michigan 48913

Director, Technical Assessment
Division
Office of Radiation Programs
(AW-459)
U. S. Environmental Protection
Agency
Crystal Mall #2
Arlington, Virginia 20460

U. S. Environmental Protection
Agency
Federal Activities Branch
Region V Office
ATTN: EIS COORDINATOR
230 South Dearborn Street
Chicago, Illinois 60604

Charles Bechhoefer, Esq., Chairman
Atomic Safety and Licensing Board
Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. George C. Anderson
Department of Oceanography
University of Washington
Seattle, Washington 98195

Dr. M. Stanley Livingston
1005 Calle Largo
Santa Fe, New Mexico 87501

Resident Inspector
c/o U. S. NRC
P. O. Box 87
South Haven, Michigan 49090

Palisades Plant
ATTN: Mr. J. G. Lewis
Plant Manager
Covert, Michigan 49043

William J. Scanlon, Esquire
2034 Pauline Boulevard
Ann Arbor, Michigan 48103

* w/incoming

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

CONSUMERS POWER COMPANY

DOCKET NO. 50-255

PALISADES PLANT

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 60
License No. DPR-20

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The applications for amendment by Consumers Power Company (the licensee) dated January 31 and February 1, 1980, comply 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 applications, 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-20 is hereby amended to read as follows:

   B. Technical Specifications

   The Technical Specifications contained in Appendix A, as revised through Amendment No. 60, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective within 60 days of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Dennis M. Crutchfield

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

Date of Issuance: August 21, 1980

ATTACHMENT TO LICENSE AMENDMENT NO. 60

PROVISIONAL OPERATING LICENSE NO. DPR-20

DOCKET NO. 50-255

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the area of change.

REMOVE	INSERT
3-96	3-96
3-97	3-97 (Table 3.22.1)
--	3-97a
3-99	3-99
3-100	3-100
3-101	3-101
4-75	4-75
4-79	4-79
6-1	6-1

3.22 FIRE PROTECTION SYSTEM

3.22.1 FIRE DETECTION INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.22.1.1 The fire detection instrumentation for each fire detection zone shown in Table 3.22.1 shall be OPERABLE.

APPLICABILITY: At all times when equipment in that fire detection zone is required to be OPERABLE.

ACTION:

With the number of instruments OPERABLE less than required by Table 3.22.1;

1. Except the detectors located inside containment, within one hour, establish a fire watch patrol to inspect the zone with the inoperable instrument(s) at least once per hour.

2. Restore the inoperable instrument(s) to OPERABLE status within 14 days, or

3. In lieu of any other report required by Specification 6.9.2, prepare and submit a Special Report to the Commission with 30 days outlining the action taken, the cause of the inoperability and the plans for restoring the instrument(s) to OPERABLE status, and

4. In the event this Limiting Condition for Operation and/or associated Action requirements cannot be satisfied, provisions relating to operating restrictions on the plant are not applicable.

BASIS:

OPERABILITY of the fire detection instrumentation ensures that adequate warning capability is available for the prompt detection of fires. This capability is required in order to detect and locate fires in their early stages. Prompt detection of fires will reduce the potential for damage to safety-related equipment and is an integral element in the overall facility fire protection program.

In the event that a portion of the fire detection instrumentation is inoperable, the establishment of frequent fire patrols in the affected areas is required to provide detection capability until the inoperable instrumentation is returned to service.

TABLE 3.22.1

INSTRUMENT LOCATION	NUMBER OF DETECTORS	TYPE OF DETECTORS	MINIMUM INSTRUMENTS OPERABLE
1. Cable Spreading Room Col M-28	1	Water Flow Sw	1
2. Switchgear Room 1D Col G-28 Col G-22 Col G-22	3	Water Flow Sw	3
3. Diesel Generator Room 1-1 Col J-28	1	Water Flow Sw	1
4. Diesel Generator Room 1-2 Col M-28	1	Water Flow Sw	1
5. Turbine Building 590' Col H-9	1	Water Flow Sw	1
6. Control Room and Room 325	6	Smoke	4
7. Control Room Adjacent Offices Rooms 324 & 320	2	Smoke	1
8. Cable Spreading Room (224) Area	8	Smoke	6
9. Refueling and Spent Fuel Area, Rm 220	4	Smoke	2
10. Switchgear Room 1-D Room 223	4	Smoke	3
11. North Penetration Room 332	2	Smoke	1
12. Switchgear Room 1-C Room 116A	2	Smoke	1
13. Southwest Cable Penetration, Rm 250	2	Smoke	1
14. Engineered Safeguards Panel Area	3	Smoke	2
15. Stairwell Outside Engineered Safeguards Panel Area	1	Smoke	1
16. Component Cooling Pump Room 123	2	Smoke	1
17. Safeguard Area Room 4	3	Smoke	2
18. Safeguard Area Room 5	2	Smoke	1
19. Corridor 106 on 590' Elevation	6	Smoke	4
20. Charging Pump Room 104	2	Smoke	1

"FIRE DETECTION INSTRUMENTATION - MINIMUM INSTRUMENTS OPERABLE"

Amendment No. 37, 60

TABLE 3.22.1 (Contd)

	INSTRUMENT LOCATION	NUMBER OF DETECTORS	TYPE OF DETECTORS	MINIMUM INSTRUMENTS OPERABLE
21.	Containment, Interior North Penetration Area	3	Smoke	2
22.	Containment, Interior Southwest Penetration Area	3	Smoke	2
23.	Containment Instrument Air Room	3	Smoke	2
24.	Auxiliary Feed Pump Room 570' level of Turbine Building	1	Smoke	1
25.	Battery Room 225A	1	Smoke	1
26.	Battery Room 225B	1	Smoke	1

3.22.2 FIRE PROTECTION SYSTEM

Basis

The operability of the fire suppression systems ensures that adequate fire suppression capability is available to confine and extinguish fires occurring in any portion of the facility where safety-related equipment is located. The fire suppression system consists of the water system, sprinklers, and fire hose stations. The collective capability of the fire suppression system is adequate to minimize potential damage to safety-related equipment and is a major element in the facility fire protection program.

In the event that portions of the fire suppression systems are inoperable, alternate backup fire fighting equipment is required to be made available in the affected areas until the inoperable equipment is restored to service.

In the event the fire suppression water system becomes inoperable, immediate corrective measures must be taken since this system provides the major fire suppression capability of the plant. The requirement for a twenty-four hour report to the Commission provides for prompt evaluation of the acceptability of the corrective measures to provide adequate fire suppression capability for the continued protection of the nuclear plant.

In the event that a portion of the fire detection instrumentation is inoperable, the establishment of frequent fire patrols in the affected areas is required to provide detection capability until the inoperable instrumentation is restored to OPERABILITY.

Those hose stations that are supplied by the service water system in the containment will be primarily used during normal refueling operations.

FIRE PROTECTION SYSTEM

3.22.4 FIRE HOSE STATIONS

LIMITING CONDITIONS FOR OPERATION

3.22.4.1 The fire hose stations in the following locations shall be OPERABLE:

a. Corridor, Room 239

b. Viewing Gallery, Room 320

c. Corridor, Room 106

d. Corridor, Room 125

e. Fire Hose Station #3

f. Turbine Building 590' Col Y-5

g. Turbine Building 590' Col Y-18

h. Spent Fuel Pool, Room 220

i. Turbine Building 609' Col H-9

j. North Stairway in containment 612' level

k. South Stairway in containment 612' level

APPLICABILITY: Whenever equipment in the area protected by that hose station is required to be operable.

ACTION:

1. With the hose station inoperable, provide an additional hose for the unprotected area at an OPERABLE hose station within 1 hour except j and k listed above

2. With the hose station inside containment (j & k above) inoperable:
   a) When containment integrity is required provide portable fire fighting equipment (e.g. water fire extinguishers) at the entrance to containment within one hour.

   b) When containment integrity is not required provide portable fire fighting equipment (e.g. water fire extinguishers) at the hose station within one hour.

3. In the event this Limiting Condition for Operation and/or associated Action requirement cannot be satisfied, provisions relating to operating restrictions on the plant are not applicable.

Basis

Refer to Basis Section 3.22.2

FIRE PROTECTION SYSTEM

3.22.3 FIRE SPRINKLER SYSTEM

LIMITING CONDITIONS FOR OPERATION

3.22.3.1 The sprinkler systems located in the following areas shall be OPERABLE:

a. Cable Spreading Room

b. Switchgear Room 1D

c. Diesel Generator Room 1-1

d. Diesel Generator Room 1-2

e. Southwest Cable Penetrating Room

f. Cable Way Room 328

g. Intake Structure Room 136 and 136A

APPLICABILITY:

Whenever equipment in the sprinkler protected area is required to be operable.

ACTION:

1. With one or more of the above required sprinkler systems inoperable, establish a continuous fire watch with backup fire suppression equipment in the unprotected area(s) within 1 hour. Restore the system(s) to operable status within 14 days, or, in lieu of any other report required by Specification 6.9.2, prepare and submit a Special Report to the Commission within the next 30 days outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to operable status.

2. In the event this Limiting Condition for Operation and/or associated Action requirements cannot be satisfied, any provisions relating to the operating restrictions on the plant are not applicable.

Basis

Refer to Basis Section 3.22.2.

4.17 FIRE PROTECTION SYSTEM

4.17.1 FIRE DETECTION INSTRUMENTATION

SURVEILLANCE REQUIREMENTS

4.17.1.1 Fire detection instruments located inside containment and associated alarms identified in Table 3.22.1 shall be demonstrated operable at least once each refueling outage.

4.17.1.2 Fire detection instruments located outside containment and associated alarms identified in Table 3.22.1 shall be demonstrated operable at least once semiannually.

FIRE PROTECTION SYSTEM

4.17.4 FIRE HOSE STATIONS

SURVEILLANCE REQUIREMENTS

4.17.4.1 Each fire hose station defined in Section 3.22.4.1 a through i shall be verified to be OPERABLE:

a. At least once per month by visual inspection of the station to assure all equipment is available.

b. At least once per 18 months by removing the hose for inspection and reracking and replacing all gaskets in the couplings as required.

c. At least once per 3 years by:

1) Partially opening each hose station valve to verify valve operability and no flow blockage, and

2) Conducting a hose hydrostatic test at a pressure at least 50 psig greater than the maximum pressure available at that hose station.

4.17.4.2 Each fire hose station defined in Section 3.22.4.1 j & k shall be verified to be operable:

a. At least once per month during normal refueling outage by visual inspection of the station to assure all equipment is available.

b. At least once per refueling outage by removing the hose for inspection and replacing all gaskets in the couplings as required.

c. At least once per 3 years by:

1) Partially opening each hose station valve to verify valve operability and no flow blockage, and

2) Conducting a hose hydrostatic test at a pressure at least 50 psig greater than the maximum pressure available at that hose station.

6.0 ADMINISTRATIVE CONTROLS

6.1 RESPONSIBILITY

6.1.1 The Plant Superintendent shall be responsible for overall plant operation and shall delegate in writing the succession for this reponsibility during his absence.

6.2 ORGANIZATION

6.2.1 OFFSITE

The offsite organization for plant management and technical support shall be as shown on Figure 6.2-1.

6.2.2 PLANT STAFF

The plant organization shall be as shown on Figure 6.2-2 and:

a. Each on-duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1.

b. At least one licensed Operator shall be in the control room when fuel is in the reactor.

c. At least two licensed Operators shall be present in the control room during reactor start-up (through 15% power), scheduled reactor shutdown and during recovery from reactor trips.

d. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor.

e. All core alterations after the initial fuel loading shall either be performed by a licensed Reactor Operator under the general supervision of a Senior Reactor Operator or directly supervised by a licensed Senior Reactor Operator (or Senior Operator limited to Fuel Handling) who has no other concurrent responsibilities during this operation.

f. A fire brigade of at least 5 members shall be maintained on site at all times.* This excludes 3 members of the minimum shift crew necessary for safe shutdown or any personnel required for other essential functions during a fire emergency.

6.3 PLANT STAFF QUALIFICATIONS

6.3.1 Each member of the plant staff shall meet or exceed the minimum qualifications of ANSI N18.1-1971 for comparable positions.

6.3.2 The Health Physicist shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975.(1)

(1) For the purpose of this section "Equivalent," as utilized in Regulatory Guide 1.8 for the bachelor's degree requirement, may be met with four years of any one or combination of the following; (a) Formal schooling in science or engineering, or (b) operational or technical experience/training in nuclear power.

---

*Fire brigade composition may be less than the minimum requirements for a period of time not to exceed 2 hours to accomodate unexpected absence of fire brigade members provided immediate action is taken to restore the fire brigade to the minimum requirements.

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 60 TO PROVISIONAL OPERATING LICENSE NO. DPR-20

CONSUMERS POWER COMPANY

PALISADES PLANT

DOCKET NO. 50-255

1.0 INTRODUCTION

By letters dated January 31 and February 1, 1980, Consumers Power Company (CPC) requested an amendment to the Technical Specifications of Provisional Operating License No. DPR-20 for the Palisades Plant. The proposed changes would: (1) incorporate into the Technical Specifications, limiting conditions for operation and surveillance requirements for new fire protection equipment being added to the plant in accordance with Amendment No. 42 and 2) authorize a change in the requirements for minimum fire brigade shift size.

2.0 FIRE PROTECTION EQUIPMENT

2.1 DISCUSSION

License Amendment No. 42, dated September 1, 1978, adds as a license condition, the completion of facility modifications to improve the fire protection program at the Palisades Plant. These modifications require the addition of new equipment to the existing fire protection system including: (1) new fire hose stations inside the containment building, (2) additional fire detectors and (3) additional fire suppression sprinklers. Amendment No. 42 further requires that limiting conditions for operation and surveillance requirements for the additional equipment discussed above be incorporated into the Technical Specifications. Accordingly, the proposed amendment would and this new fire protection equipment to the limiting conditions for operation and surveillance requirements for similar equipment in the existing Technical Specifications. In addition, certain surveillance requirements have been added to the proposed Technical Specifications for the new equipment being added inside containment.

2.2 EVALUATION

The Fire Protection Safety Evaluation supporting License Amendment No. 42, dated September 1, 1978, concludes that the new fire hose stations, fire detectors and fire suppression sprinklers being added to the plant are acceptable both with respect to improvement of the fire protection program and with respect to the continued safe operation of the Palisades Plant.

2.2.1 FIRE HOSE STATIONS INSIDE CONTAINMENT

The new fire hose stations inside containment provide the same fire suppression function as those hose stations in other areas of the plant and are, therefore, subject to the same operability requirements. Thus, the proposed Technical Specification adds the new fire hose stations in containment to the existing limiting conditions for operation governing fire hose stations in other areas of the plant (Section 3.22.4.1). We requested, however, and the licensee agreed to add an action statement requiring that portable fire fighting equipment (e.g. water fire extinguishers) be provided in the event that a fire hose station in containment is inoperable. This action statement provides for backup fire suppression capability during plant operation or shutdown without requiring an additional hose from an operational hose station outside containment. Rerouting a hose from outside containment would violate the containment integrity during plant operation and would be impractical during shutdown. Based on the above, we find that the proposed change provides adequate operability requirements and backup fire suppression capability for the new fire hose stations in containment. Therefore, the proposal is acceptable. During normal plant operation, the fire hose stations in containment will be inaccessible due to the required containment integrity. Therefore, the proposed surveillance requirements (Section 4.17.4.2) provide for the complete inspection and testing of this equipment during each refueling outage. Refueling outages occur frequently enough to allow adequate inspection and testing of the hose stations to assure their proper operation. Based on the above, we find the proposed surveillance of hose stations in containment acceptable.

2.2.2 FIRE DETECTORS

The proposed Technical Specification change adds the new fire detectors to the list of detectors which must be operable in Table 3.22.1 and makes them subject to the limiting conditions for operation of Section 3.22.1.1. The purpose of this Technical Specification governing the fire detectors presently in use in the plant, as stated in the bases, is to assure that adequate warning capability is available for prompt detection of fires. The objective for adding fire detectors to other areas of the plant is to obtain this same adequate warning capability in these other areas. The existing operability requirements for fire detectors have previously been determined to assure that this fire detection capability does indeed remain available. Therefore, the addition of the new fire detectors to the limiting conditions for operation for fire detectors in the existing Technical Specifications is acceptable.

The new fire detectors have been added to the surveillance requirements of Section 4.17.1 in the proposed Technical Specification. With the exception of the detectors being added inside containment, all fire detectors would be demonstrated operable at least once semiannually. Those fire detectors inside containment would be demonstrated operable at least once each refueling outage. Semiannual surveillance is presently the requirement for all fire detectors in use in the plant. This requirement has previously been determined to adequately ensure the operability of fire detectors and is therefore acceptable for the new fire detectors installed outside containment. As for the fire detectors inside containment, these detectors are inaccessible during plant operation. This inaccessibility also reduces the risk of fire bacause there is no activity going on in containment and hence no

transient fire load hazard. The principle fire hazards in containment would occur during the activities taking place during a refueling outage. Based on the above, we find that surviellance of fire detectors in containment during refueling outages is acceptable.

2.2.3 SPRINKLERS

The proposed change incorporates the new speinkler systems into the limiting conditions for operation and surviellnace requirements of Section 3.22.3.1 and Section 4.17.3.1 respectively. The new sprinkler systems are of the same type presently in use throughout the plant. Therefore, incorporating them into the existing Technical Specifications is acceptable.

3.0 FIRE BRIGADE SHIFT SIZE

3.1 DISCUSSION

Technical Specifications Section 6.2.2.f currently requires a fire brigade of 3 members be maintained on site at all times. This excludes the 3 members of the minimum shift crew necessary for safe shutdown or any personnel required for other essential functions during a fire emergency.

The subject of minimum fire brigade shift size, as a part of the fire protection program for operating plants, has been under review by the staff and its consultants for some time. This evaluation included a visit to all operating facilities and an extensive review of the factors which should determine the minimum size of the fire brigade. It was found that at all operating plants, there were combinations of hazards, conditions of access, and physical arrangement of safety related equipment that would require immediate actions by at least five persons in the event of a fire. Further, the need for leadership of the brigade by a person who is relatively free of other duties (including actively fighting the fire), the ability to transport necessary fire fighting equipment to the scene, and responsiveness of the fire brigade to a broad range of fire situations support the need for a 5 member fire brigade. Thus, the staff has taken the position that the minimum fire brigade shift size at all operating reactor sites should consist of 5 trained members. Further, we have established a minimum acceptable level of fire brigade training in cases where licensees do not train all members in accordance with staff guidelines.

In response to the NRC position stated above, CPC has requested that the onsite fire brigade be increased from 3 to 5 members. Additionally, CPC will train the 5-member fire brigade in accordance with the NRC guidance issued by our letters dated August 12, 1977, and September 7, 1979.

We requested, and the licensee agreed to add to the proposed Technical Specification an exception to the minimum requirements which would make the Specification consistent with the Standard Technical Specifications. This would relieve the minimum fire brigade size of 5 members for a period not to exceed 2 hours to accommodate unexpected absence of fire brigade members provided immediate action is taken to restore the fire brigade to the minimum requirements.

3.2 EVALUATION

The results of our review indicate that the technical specification change requested by CPC with the agreed upon modification, complies with the NRC positions concerning minimum fire brigade shift size. A minimum of 5 trained fire brigade members will be on site at all times except for an unexpected absence of a Fire Brigade member. Such an unexpected absence should be a rare occurrence and shall only relieve the minimum requirements of 5 members for 2 hours or less. Since we anticipate that such unexpected absences will occur infrequently in addition to the stipulation that CPC take immediate action to restore the Fire Brigade to within the minimum requirements, we have determined that this exception does not seriously reduce the capability of the fire brigade or constitute nonconformance with the NRC positions on minimum fire brigade shift size. We, therefore, find the proposal acceptable.

4.0 ENVIRONMENTAL CONSIDERATION

We have determined that the amendment does 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 amendment involves 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 this amendment.

5.0 CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: August 21, 1980

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-255

CONSUMERS POWER COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO PROVISIONAL OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 60 to Provisional Operating License No. DPR-20, issued to Consumers Power Company (the licensee) for operation of the Palisades Plant (the facility) located in Covert Township, Van Buren County, Michigan. This amendment is effective within 60 days of its date of issuance.

The amendment modifies the provisions of the Appendix A Technical Specifications: (1) to incorporate limiting conditions for operation and surveillance requirements for new fire protection equipment being added to the plant in accordance with License Amendment No. 42 and (2) to authorize a change in the requirements for the minimum fire brigade shift size.

The applications for the amendment comply 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 amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the applications for amendment dated January 31 and February 1, 1980, (2) Amendment No. 60 to License No. DPR-20, 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, N. W., Washington, D. C. 20555, and at the Kalamazoo Public Library, 315 South Rose Street, Kalamazoo, Michigan 49006. 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, 1980.

FOR THE NUCLEAR REGULATORY COMMISSION

Dennis M. Crutchfield

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