

OCT 18 1977

Docket No. 50-255

Consumers Power Company
ATTN: Mr. David Bixel
Nuclear Licensing Administrator
212 West Michigan Avenue
Jackson, Michigan 49201

Gentlemen:

The Commission has issued the enclosed Amendment No. 44 to Provisional Operating License No. DPR-20 for the Palisades Plant. This amendment consists of changes to the Technical Specifications in response to your request dated November 24, 1976, as supplemented by letter dated October 28, 1977.

This amendment authorizes deletion of a requirement to perform weekly monitoring of fish impingement on the intake traveling screens.

Specification 4.11.4(i) requires sampling of the Palisades traveling screens during one 24-hour period each week. During the 1975 eight-month sampling period (May-December), a total of 448 organisms representing 9 species was collected. During the same period in 1976 a total of 466 organisms representing 9 species was collected. For the sampling period January to September 1977, 329 organisms were collected representing 6 species. Alewives accounted for about 45% of the total organisms collected in 1975-1977 while slimy sculpins accounted for about 13%. However, in 1976 and 1977 crayfish made up relatively larger percentages accounting for 46% and 64%, respectively. Total yearly impingement estimates ranged from 3,000 to 4,000 organisms.

Since 1974, the Palisades station located on Lake Michigan has been operated as a closed cycle system after having changed from once-through condenser cooling to mechanical draft cooling towers. Evaluations of fish impingement data made in the FES-OL and Addendum to the FES indicated that about 400,000 fish/year were impinged on the traveling screens using once-through cooling. That level of impingement, based on preliminary fish monitoring

OFFICE ➤						
SURNAME ➤						
DATE ➤						

OCT 16 1978

data, was not found to be having a detrimental influence on the local fish populations (FES Addendum p.2-6). Although the impingement data from the different cooling modes is not strictly comparable because of different impingement sampling frequencies and the different years involved, it is, nevertheless, apparent that impingement is greatly reduced. The staff concludes that the impingement monitoring program can be deleted as the data collected show that impingement has been reduced and numbers collected using closed-cycle cooling are not predicted to create a significant adverse effect on species populations in the site vicinity.

We have evaluated the potential for environmental impact of plant operation in accordance with the enclosed amendment. The amendment applies to non-radiological environmental surveillance. 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, negative declaration or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Since the amendment applies only to non-radiological environmental surveillance, it does not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. It does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and therefore does not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.

A copy of the related Notice of Issuance is also enclosed.

DISTRIBUTION:

Docket OELD Deisenhut
NRC PDR OI&E(5) ACRS(16)
Local PDR BJones(4) CMiles, OPA
ORB#2 RDG BScharf(15) RDiggs
VStello JMcGough DDavis
BGrimes AEsteen TERA
HSmith WPasciak JRBuchanan
RSilver BHarless

Sincerely,

Original signed by:
Dennis L. Ziemann

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

Enclosures:

1. Amendment No. 44 to DPR-20
2. Notice of Issuance

OFFICE	C w/enclosures	See next page	DOR:ORB#2	DOR:ORB#2	OELD	DOR:ORB#2
SURNAME			HSmith	RSilver		DLZiemann
DATE			10/10/78	10/10/78	10/13/78	10/16/78

Consumers Power Company

- 3 -

October 16, 1978

cc

M. I. Miller, Esquire
Isham, Lincoln & Beale
Suite 4200
One First National Plaza
Chicago, Illinois 60670

Judd L. Bacon, Esquire
Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

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

Myron M. Cherry, Esquire
Suite 4501
One IBM Plaza
Chicago, Illinois 60611

Kalamazoo Public Library
315 South Rose Street
Kalamazoo, Michigan 49006

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

**Mr. William R. Rustem (2)
Office of the Governor
Room 1 - Capitol Building
Lansing, Michigan 48913

Director, Technical Assessment
Division
Office of Radiation Programs
(AW-459)
US EPA
Crystal Mall #2
Arlington, Virginia 20460

** (w/cpy of letter dtd. 11/24/76 and
a supplemental letter dtd. 10/28/77)

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



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. 44
License No. DPR-20

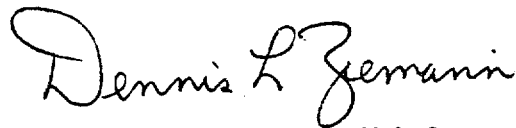
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Consumers Power Company (the licensee) dated November 24, 1976, as supplemented by letter dated October 28, 1977, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The 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-20 is hereby amended to read as follows:

"B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 44, 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 L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: October 16, 1978

ATTACHMENT TO LICENSE AMENDMENT NO. 44

PROVISIONAL OPERATING LICENSE NO. DPR-20

DOCKET NO. 50-255

Revise Appendix A by removing the page identified below and inserting the enclosed page. The revised page is identified by amendment number and contains a vertical line indicating the area of change.

REMOVE

4-50b

INSERT

4-50b

ENVIRONMENTAL MONITORING PROGRAM (cont'd)

<u>Sample</u>	<u>Frequency</u>	<u>Objective</u>
(e) Closed cycle condenser cooling system conductivity or TDS	Daily during closed cycle condenser cooling system operation	To determine concentration of dissolved salts in the condenser cooling system water and discharge to the lake
(f) Total residual chlorine of blow-down water from outfall over the weir and blowdown piping when discharging into mixing basin	Seven times weekly. Three grab samples equally spaced in time during each treatment	To determine that the total residual chlorine concentration in the discharge is below permissible limits by using amperometric titration methods
(g) pH of mixing basin water (prior to discharge to the lake)	Daily during closed-cycle condenser cooling system discharge	To determine that pH is within the permissible limits
(h) Heavy metals (Mn) in the mixing basin water	Daily during suspected discharge	To determine that release of toxic compounds is minimal
(i) Deleted		
(j) Fish in discharge	During and after chlorination	To identify gross effects on fish populations residing in vicinity of the discharge to lake

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. 44 to Provisional Operating License No. DPR-20, issued to Consumers Power Company (the licensee), which revised the Technical Specifications for operation of the Palisades Plant, (the facility) located in Covert Township, Van Buren County, Michigan. The amendment is effective as of its date of issuance.

The amendment authorizes deletion of a requirement to perform weekly monitoring of fish impingement on the intake traveling screens.

The application for the amendment 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 amendment. Prior public notice of this amendment was not required since the amendment did 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 state-

ment or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated November 24, 1976, as supplemented by letter dated October 28, 1977, (2) Amendment No. 44 to License No. DPR-20, and (3) the Commission's related transmittal letter. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. 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 Operating Reactors.

Dated at Bethesda, Maryland, this 16th day of October, 1978.

FOR THE NUCLEAR REGULATORY COMMISSION



Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors