



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

August 10, 1981

Docket No. 50-255
LS05-81-08-026

Mr. David P. Hoffman
Nuclear Licensing Administrator
Consumers Power Company
1945 W. Parnall Road
Jackson, Michigan 49201

Dear Mr. Hoffman:

By letter dated June 12, 1981, we issued Amendment No. 66 to License No. DPR-20 for the Palisades Plant. It has been brought to our attention that footnote "(6)" was inadvertently omitted from Item 5b of Page 4-3 and Item 7b on Page 4-4. Accordingly, please replace Pages 4-3 and 4-4 issued by Amendment No. 66 with the attached pages.

Sincerely,
Original signed by
Dennis M. Crutchfield

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

Enclosures:
Pages 4-3 and
4-4

cc w/enclosures:
See next page

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NRC PDR

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ORB #5 RF

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GDeegan (4)

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Mr. David P. Hoffman

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August 10, 1981

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TABLE 4.1.1
Minimum Frequencies for Checks, Calibrations and Testing of Reactor Protective System⁽⁵⁾

Channel Description	Surveillance Function	Frequency	Surveillance Method
1. Power Range Safety Channels	a. Check ⁽³⁾ b. Check	S D	a. Comparison of four-power channel readings. b. Channel adjustment to agree with heat balance calculation. Repeat whenever flux- ΔT power comparator alarms.
	c. Test d. Calibrate	M ⁽²⁾ R	c. Internal test signal. ⁽⁴⁾ d. Channel alignment through measurement/adjustment of internal test points.
2. Wide-Range Logarithmic Neutron Monitors	a. Check b. Test	S P	a. Comparison of both wide-range readings. b. Internal test signal.
3. Reactor Coolant Flow	a. Check b. Calibrate ⁽⁶⁾ c. Test	S R M ⁽²⁾	a. Comparison of four separate total flow indications. b. Known differential pressure applied to sensors. c. Bistable trip tester. ⁽¹⁾⁽⁴⁾
4. Thermal Margin/Low Pressurizer Pressure	a. Check: (1) Temperature Input (2) Pressure Input b. Calibrate (1) Temperature Input (2) Pressure Input c. Test	S R M ⁽²⁾	a. Check: (1) Comparison of four separate calculated trip pressure set point indications. (2) Comparison of four pressurizer pressure indications. (Same as 5(a) below.) b. Calibrate: (1) Known resistance substituted for RTD coincident with known pressure input. (2) Part of 5(b) below. c. Bistable trip tester. ⁽¹⁾⁽⁴⁾
5. High-Pressurizer Pressure	a. Check b. Calibrate ⁽⁶⁾ c. Test	S R ⁽²⁾ M	a. Comparison of four separate pressure indications. b. Known pressure applied to sensors. c. Bistable trip tester. ⁽¹⁾

TABLE 4.1.1
Minimum Frequencies for Checks, Calibrations and Testing of Reactor Protective System⁽⁵⁾ (Contd)

Channel Description	Surveillance Function	Frequency	Surveillance Method
6. Steam Generator Level	a. Check	S	a. Comparison of four level indications per generator.
	b. Calibrate	R	b. Known differential pressure applied to sensors.
	c. Test	M ⁽²⁾	c. Bistable trip tester. ⁽¹⁾
7. Steam Generator Pressure	a. Check	S.	a. Comparisons of four pressure indications per generator.
	b. Calibrate ⁽⁶⁾	R ⁽²⁾	b. Known pressure applied to sensors.
	c. Test	M ⁽²⁾	c. Bistable trip tester. ⁽¹⁾
8. Containment Pressure	a. Calibrate	R ⁽²⁾	a. Known pressure applied to sensors.
	b. Test	M ⁽²⁾	b. Simulate pressure switch action.
9. Loss of Load	a. Test	P	a. Manually trip turbine auto stop oil relays.
10. Manual Trips	a. Test	P	a. Manually test both circuits.
11. Reactor Protection System Logic Units	a. Test	M ⁽²⁾	a. Internal test circuits.

Notes: (1) The bistable trip tester injects a signal into the bistable and provides a precision readout of the trip set point.

(2) All monthly tests will be done on only one of four channels at a time to prevent reactor trip.

(3) Adjust the nuclear gain pot on the ΔT cabinet until readout agrees with heat balance calculations.

(4) Trip setting for operating pump combination only. Settings for other than operating pump combinations must be tested during routine monthly testing performed when shut down and within four hours after resuming operation with a different pump combination if the setting for that combination has not been tested within the previous month.

(5) It is not necessary to perform the specified testing during prolonged periods in the refueling shutdown condition. If this occurs, omitted testing will be performed prior to returning the plant to service.

(6) The 1981 surveillance function may be deferred until the end of the 1981 refueling outage.