INSTRUMENTATION

MOVABLE INCORE DETECTORS

LIMITING CONDITION FOR OPERATION

3.3.3.2 The movable incore detection system shall be OPERABLE with:

a. At least 75%* of the detector thimbles for Applicability B, C and D,

b. At least 18 thimbles for quarter-core flux maps for Applicability A,

c. A minimum of 2 detector thimbles per core quadrant for Applicability B, C and D, and

d. Sufficient movable detectors, drive, and readout equipment to map these thimbles.

APPLICABILITY: When the movable incore detection system is used for:

A. Recalibration of the axial flux offset detection system (QUADRANT POWER TILT RATIO less than or equal to 1.02),

B. Recalibration of the axial flux offset detection system (QUADRANT POWER TILT RATIO greater than 1.02),

C. Monitoring the QUADRANT POWER TILT RATIO, or

D. Measurement of $F_{\Delta H}^N$ and $F_Q (Z)$.

ACTION:

With the movable incore detection system inoperable, do not use the system for the above applicable monitoring or calibration functions. The provisions of Specification 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4 3.3.2 The incore movable detection system shall be demonstrated OPERABLE by normalizing each detector output to be used within 24 hours prior to its use when required for:

a. Recalibration of the excore axial flux offset detection system, or

b. Monitoring the QUADRANT POWER TILT RATIO, or

c. Measurement of $F_{\Delta H}^N$ and $F_Q (Z)$.

---

*For Cycle 12 operation, 50 percent is to be used instead of 75 percent.

INSTRUMENTATION

MOVABLE INCORE DETECTORS

LIMITING CONDITION FOR OPERATION

3.3.3.2 Th⌐ movable incore detection system shall be OPERABLE with:

a. At least 75%* of the detector thimbles for Applicability B, C and D,

b. At least 18 thimbles for quarter-core flux maps for Applicability A,

c. A minimum of 2 detector thimbles per core quadrant for Applicability B, C and D, and

d. Sufficient movable detectors, drive, and readout equipment to map these thimbles.

APPLICABILITY: When the movable incore detection system is used for:

A. Recalibration of the axial flux offset detection system (QUADRANT POWER TILT RATIO less than or equal to 1.02),

B. Recalibration of the axial flux offset detection system (QUADRANT POWER TILT RATIO greater than 1.02),

C. Monitoring the QUADRANT POWER TILT RATIO, or

D. Measurement of $F_{\Delta H}^N$ and F_Q (Z).

ACTION:

With the movable incore detection system inoperable, do not use the system for the above applicable monitoring or calibration functions. The provisions of Specification 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.3.3.2 The incore movable detection system shall be demonstrated OPERABLE by normalizing each detector output to be used within 24 hours prior to its use when required for:

a. Recalibration of the excore axial flux offset detection system, or

b. Monitoring the QUADRANT POWER TILT RATIO, or

c. Measurement of $F_{\Delta H}^N$ and F_Q (Z).

TROJAN-UNIT 1   3/4 3-37   Amendment No. 12
                                                            May 6, 1982

* For Cycle 12 operation, 50% is to be used instead of 75%.
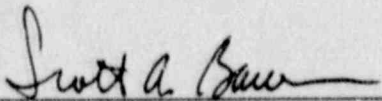
UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of   )
)
PORTLAND GENERAL ELECTRIC COMPANY,   )   Docket 50-344
THE CITY OF EUGENE, OREGON, AND   )   Operating License NPF-1
PACIFIC POWER & LIGHT COMPANY   )
)
(TROJAN NUCLEAR PLANT)   )

CERTIFICATE OF SERVICE

I hereby certify that copies of License Change Application 181 to the
Operating License for Trojan Nuclear Plant, dated October 20, 1989, have
been served on the following by hand delivery or by deposit in the United
States mail, first class, this 20th day of October 1989:

State of Oregon
Department of Energy
625 Marion Street, NE
Salem OR 97310

Mr. Michael J. Sykes
Chairman of County Commissioners
Columbia County Courthouse
St. Helens OR 97051

S. A. Bauer, Manager
Nuclear Regulation Branch
Nuclear Safety & Regulation

Subscribed and sworn to before me this 20th day of October 1989.

Notary Public of Oregon

My Commission Expires: _____3-12-90_____