

NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

November 6, 1979

Director of Nuclear Reactor Regulation
US Nuclear Regulatory Commission
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket No. 50-282 License No. DPR-42
50-306 DPR-60

Transmittal of No. 11 Steam Generator
Tube Inspection Photographs

NSP and Westinghouse representatives met with the NRC Staff on October 12, 1979 to discuss the Prairie Island No. 11 Steam Generator tube rupture of October 2, 1979. NSP offered to transmit several sets of selected photographs taken during the steam generator inspection. The NRC meeting minutes requested three copies of pertinent pictures which show the location of springs, eroded and ruptured tubes, etc.

Enclosed are three sets of ten different photographs which show the significant observations made, and items found, during the inspection. Additional photographs are on file at the plant for inspection. The enclosed photographs have been numbered and a brief description of each follows:

<u>Picture No.</u>	<u>Description</u>
1-18A	Views of tubes #3 and #4 on the hot leg side of the tube lane blocking device.
1-20A	View of tubes #1, #2, and #3 on the hot leg side of the tube lane blocking device.
2-15	View of ruptured tube (#4).
2-24	View of spring on hot leg side of tube lane blocking device prior to tube lane blocking device removal. Also shows the first six tubes.
3-10A	View of second spring and hose clamp on cold leg side of tube lane blocking device prior to tube lane blocking device removal.

Note: Color difference is because the photograph is in black and white.

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<u>Picture No.</u>	<u>Description</u>
5-8	View of both springs and hose clamp after tube lane blocking device was removed.
5-10	View of spring (cold leg side) and tube sheet wear marks from spring on hot leg side of tube lane blocking device after tube lane blocking device was removed.
5-12	Same as 5-10, except that the view includes more tube sheet wear marks.
1-S	View of both springs and hose clamp after removal from steam generator.
2-S	Same as 1-S except somewhat different angle of view.

L.O. Mayer

L O Mayer, PE
Manager of Nuclear Support Services

LOM/jh

cc G Charnoff (w/o enclosure)
J G Keppler (w/o enclosure)
MPCA
Attn: J W Ferman (w/o enclosure)

enclosure

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