

1717 Wakonade Drive
Welch, MN 55089

800.895.4999
xcelenergy.com



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U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant Unit 1
Docket No. 50-282
Renewed Facility Operating License No. DRP 42

Inservice Inspection Summary Report Unit 1, Interval 5, Period 2, Outage 1 Refueling
Outage Dates: 9/21/2018 to 10/26/2018

During 2018, Prairie Island Nuclear Generating Plant (PINGP) Unit 1 Refueling Outage, an Inservice Inspection (ISI) examination for the second period of the fifth interval was conducted. Form OAR-1 Owner's Activity Report (Enclosure1) is being submitted for this time period as required by American Society of Mechanical Engineers (ASME) Code Section XI, in accordance with the provisions of Code Case N-532-5, and is intended to satisfy the inspection reporting requirements.

The form includes a listing of items with flaws or relevant conditions that required evaluation for continued service (Table 1) and abstract of repair/replacement activities required for continued service (Table 2).

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

A handwritten signature in black ink, appearing to read 'Scott Sharp', written over a white background.

Scott Sharp
Site Vice President, Prairie Island Nuclear Generating Plant
Northern States Power Company - Minnesota

Enclosure

cc: Regional Administrator, Region III, USNRC
Project Manager, Prairie Island, USNRC
Resident Inspector, Prairie Island, USNRC
State of Minnesota, Department of Commerce

ENCLOSURE

FORM OAR-1 OWNER'S ACTIVITY REPORT

Prairie Island Nuclear Generating Plant

For

Inservice Inspection Summary Report Unit 1, Interval 5, Period 2,

Outage 1 Refueling Outage Dates: 9/21/2018 to 10/26/2018

2 pages follow

FORM OAR-1 OWNER'S ACTIVITY REPORT

Prairie Island Nuclear Generating Plant

As required by the provisions of ASME Code Case N-532-5

Report Number 1R31

Plant Prairie Island Nuclear Generating Plant, 1717 Wakonade Drive East, Welch, Minnesota, 55089

Unit No. 1 Commercial service date 12/16/1973 Refueling outage no. 1R31

Current inspection interval 5th ISI Inspection Interval for class 1, 2, and 3. 3rd IWE Inspection Interval for class MC

Current inspection period 2nd ISI Inspection Period for class 1, 2, and 3. 1st IWE Inspection period for class MC

Edition and Addenda of Section XI applicable to the inspection plans 2007 Edition - 2008 Addenda for class 1, 2, and 3. 2013 Edition for class MC

Date and revision of inspection plans 9/27/18 Rev. 5 for class 1, 2, and 3. 9/18/18 Rev. 10 for class MC

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans Same as Inspection Plan for class 1.2. and 3. 2007 Edition - 2008 Addenda for class MC

Code Cases used for inspection and evaluation: N-532-5, N-716-1, N-729-4, N-776, N-722-1

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this Owner's Activity Report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of refueling outage number 1R31 conform to the requirements of Section XI.

Signed Thomas O'Leary ISI Engineer Date 11-20-2018
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions NB 12085 N.I. R
Inspector's Signature (National Board Number and Endorsement)

Date November 20, 2018

TABLE 1
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED
EVALUATION FOR CONTINUED SERVICE

Examination Category and Item Number	Item Description	Evaluation Description
B-P, B15.10	SP 1392 Bolted Connections Borated Systems Pressure Test	MV-32230, 1-1/2 cups dry, white/brown packing leak which has accumulated on the bonnet accepted by evaluation QIM 501000017687.
B-P, B15.10	SP 1392 Bolted Connections Borated Systems Pressure Test	MV-32231, 1 cup boric acid packing indication which has accumulated on the bonnet and in contact with pressure retaining bolting accepted by evaluation QIM 501000017687.
C-H, C7.10	SP 1392 Bolted Connections Borated Systems Pressure Test	MV-32083, ¼ cup boric acid indication at body to bonnet accepted by evaluation QIM 501000017687.
C-H, C7.10	SP 1168.16 Chemical Volume Control System Pressure Test	VC-5-2, 1/4 cup dry, white, packing leak which has come in contact with the bonnet accepted by evaluation QIM 501000019097.
C-H, C7.10	SP 1168.3 RHR Pit Pressure Test	RH-1-4, Trace dry white at Body to Bonnet accepted by evaluation QIM 501000017312.
C-H, C7.10	SP 1168.3 RHR Pit Pressure Test	RH-2-6, ¼ cup dry white at Body to Bonnet accepted by evaluation QIM 501000017314.
C-H, C7.10	SP 1168.3 RHR Pit Pressure Test	RH-2-5, Trace dry white at Body to Bonnet accepted by evaluation QIM 501000017315.
C-H, C7.10	SP 1168.3 RHR Pit Pressure Test	MV-32084, 1/2 cup dry, white/brown packing leak which as accumulated on the bonnet accepted by evaluation QIM 501000017279.
C-H, C7.10	SP 1168.13 Safety Injection System Pressure Test	SI-35-8, White boric acid deposit less than tsp at body to bonnet. 1 tbs brown/white packing boric acid accepted by evaluation QIM 501000018751.

TABLE 2
ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE

Code Class	Plant ID #	Item Description	Description of Work Completed	Date Completed	R/R Plan #
3	3-CL-88	Cooling Water Pipe Segment	Replaced segment of pipe due to MIC.	3/31/2017	1-30-006
3	035-051	Air Cooler	Performed weld build up restoration of sealing surfaces of the Diesel Generator heat exchanger channel heads.	2/2/2018	1-30-021
MC	1PENC-MAL	Maintenance Air Lock	Weld repair the hinge restrictor stud to the inner door surface of the Maintenance Air Lock.	10/24/2018	1-30-032
3	3-CL-11	CL system piping segment	Replaced pipe elbow due to MIC. Flange fasteners were also replaced to aid in expediting the repair.	9/26/2018	1-30-042
1	134-011	11 Steam Generator	Installed several tube plugs due to vibrational wear noted during ET.	10/30/2018	1-30-051
1	134-012	11 Steam Generator	Installed several tube plugs due to vibrational wear noted during ET.	10/30/2018	1-30-052