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

Prairie Island Nuclear Generating Plant Unit 2
Docket 50-306
Renewed License No. DPR-60

Inservice Inspection Summary Report Unit 2, Interval 4, Period 3, Outage 2, Refueling
Outage Dates: 09/21/2013 to 01/04/2014, Fuel Cycle 27: 05/29/2012 to 01/04/2014

During the 2013 Prairie Island Nuclear Generating Plant (PINGP) Unit 2 refueling outage, an inservice inspection (ISI) examination for the third period of the fourth interval was conducted. Form OAR-1 Owner's Activity Report (Enclosure 1) is being submitted for this time period as required by the American Society of Mechanical Engineers (ASME) Code Section XI, in accordance with the provisions of Code Case N-532-4, 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 an 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.

 *FOR Kevin Davison*
Kevin Davison

Site Vice President
Prairie Island Nuclear Generating Plant
Northern States Power Company – Minnesota

Enclosures: (1)

cc: Administrator, Region III, USNRC
Project Manager, Prairie Island, USNRC
Resident Inspector, Prairie Island, USNRC

ENCLOSURE 1

FORM OAR-1 OWNER'S ACTIVITY REPORT for Unit 2, Interval 4, Period 3, Outage 2,
Refueling Outage Dates: 09/21/2013 to 01/04/2014, Fuel Cycle 27: 05/29/2012 to
01/04/2014

FORM OAR-1 OWNER'S ACTIVITY REPORT

Prairie Island Nuclear Generating Plant

As required by the provisions of ASME Code Case N-532-4

Report Number 2R28

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

Unit No. 2 Commercial service date 12/21/1974 Refueling outage no. 2R28

Current inspection interval 4th ISI Inspection Interval for class 1, 2, and 3. 2nd IWE Inspection Interval for class MC

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

Edition and Addenda of Section XI applicable to the inspection plans 1998 Edition - 2000 Addenda for class 1, 2, and 3. 2001 Edition - 2003 Addenda for class MC

Date and revision of inspection plans 9/17/13 Rev. 17 for class 1, 2, and 3. 10/26/12 Rev. 9 for class MC

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans Same as Inspection Plans

Code Cases used: N-307-2, N-460, N-498-4, N-532-4, N-533-1, N-566-1, N-623, N-652, N-729-1, 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 2R28 conform to the requirements of Section XI.

Signed Thomas Downing ISI Engineer Date 3/24/2014
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 the State or Province of Minnesota and employed by HSB Global Standards 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 A.N.I. MN 021924
Inspector's Signature National Board, State, Province and Endorsements

Date March 24, 2014

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

Examination Category and Item Number	Item Description	Evaluation Description
B-G-2, B7.70	Valve Bolting 2SI-6-4	Damaged nut was replaced and preservice examined sat. Expanded scope to 2SI-6-3. See Action Request (AR) 1403624, 1417632 and Work Order (WO) 406937-01.
B-P, B15.70	Class 1 Pressure Tests SP 2393 Bolted Connections CV-31229	Boric Acid residue at bolted connection. CV-31229 accepted by evaluation AR 1398673.
B-P, B15.70	Class 1 Pressure Tests SP 2392 Bolted Connections MV-32233	Boric Acid residue at bolted connection. MV-32233 accepted by evaluation AR 1398681.
B-P, B15.80	Bottom head of Reactor Vessel SP 2421	Boric Acid deposits from segmented seal leakage accepted by evaluation. See AR 1410886, 1410877 and 1410893
F-A, F1.10c	Snubber Clamp 2-RRCH-284A	Non-relevant tagging issue. AR 1402184.
F-A, F1.10c	Snubber Clamp 2-RRCH-284B	Non-relevant tagging issue. AR 1402184.
F-A, F1.10b	Restraint & Support 2-RHRRH-16	Previously recorded indication outside exam volume dispositioned as acceptable AR 1232535.
F-A, F1.10c	Snubber/Clamp 2-RRCH-291	Indication of loose bolt accepted by evaluation AR 1398664. Bolt tightened and re-inspected at owner option. WO 488099.
C-A, C1.30	22 SG Lower Shell to Tube-Sheet 234-012	IWC Preservice indication requiring evaluation. See AR 1421771.
C-H, C7.10	Class 2 Pressure Tests SP 2168.14 Containment Spray CS-44	Leakage noted from pump seal accepted by evaluation. AR 1379102.
C-H, C7.10	Class 2 Pressure Tests SP 2168.14 Containment Spray MV-32110	Boric Acid residue on body to bonnet on MV-32110 accepted by evaluation. AR 1379386.
C-H, C7.10	Class 2 Pressure Tests SP 2168.16 Volume Control 2VC-26-1	Boric Acid residue at bolted connection of 2VC-26-1 accepted by evaluation. AR 1412839.
C-H, C7.10	Class 2 Pressure Tests SP 2168.17 Feedwater System 2FW-8-2	Gasket leak on FW check valve 2FW-8-2 corrected and re-inspected sat. AR 1397801. WO 487852-12.
F-A, F1.40	22 SG Girder Connection H-9 2-ISI-37D	PSI indication of loose nut was corrected and re-examined sat on VT report # 2013V148. See AR 1412971.
F-A, F1.20b	CS Seismic Support 2-CSH-214	Indication of additional pieces welded to pipe clamp was determined to be a non-relevant indication as stiffeners are part of the clamp design. AR 1399309.
High Energy Line Break Augmented Program	FW Valve to Pipe Weld 16-2FW-11	Indication was weld repaired and re-inspected satisfactory on report 2013U007. AR 1400217 and WO 488612-01
F-A, F1.20c	CC Spring Hanger 2-RCCH-426	Misaligned spring hanger evaluated acceptable for continued service and adjusted. Detected by system walkdown. AR 1412860. WO 494953.
E-A, E1.30	Containment Moisture Barrier	Six indications of damage to the containment moisture barrier. The indications were repaired under PM 3180-2 WO 456651 and re-inspected satisfactory on VT report 2013V140. AR 1411816

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

Code Class	Plant ID #	Item Description	Description of Work	Date Completed	R/R Plan #
3	235-081	22 CLG WTR PMP DSL JCKT CLG HX	Replaced fastener sets	10/4/2012	2-27-002
2	2-CCRH-49	CC Piping Support	Rebuilt and installed support to the correct configuration specification.	10/2/2013	2-27-013
3	235-031	CC Heat Exchanger end cover plates	Replaced end flanges and performed several shell and cover repairs by weld build up.	10/15/2013	2-27-037
1 and 2	245-051	21 Reactor Coolant Pump	Replaced Seal Housing, associated leak off piping, and flange fasteners.	12/4/2013	2-27-041
1 and 2	1-1/2-2VC-17A	Seal Leak off Line	Replaced Seal Housing, associated leak off piping, and flange fasteners.	12/4/2013	2-27-041
1 and 2	2-2VC-17A	Seal Leak off Line	Replaced Seal Housing, associated leak off piping, and flange fasteners.	12/4/2013	2-27-041
1	2SI-6-4	21 ACCUM LOOP A CHECK VLV	Replaced the disc and one body to cover nut.	10/30/2013	2-27-048
2	2VC-3-8	21 VCT Outlet	Replaced Body to Bonnet studs.	11/4/2013	2-27-052
2	2-SIRH-13	SI system support	Replaced support eye rod.	11/28/2013	2-27-060